



BADAN INFORMASI
GEOSPASIAL

PERATURAN
KEPALA BADAN INFORMASI GEOSPASIAL

NOMOR 12 TAHUN 2016

TENTANG

ANALISIS BIAYA KELUARAN
KEGIATAN PENYELENGGARAAN INFORMASI GEOSPASIAL

DENGAN RAHMAT TUHAN YANG MAHA ESA

KEPALA BADAN INFORMASI GEOSPASIAL,

- Menimbang :
- a. bahwa Analisis Biaya Keluaran digunakan sebagai dasar penyusunan Rencana Kerja dan Anggaran dalam Kegiatan Penyelenggaraan Informasi Geospasial;
 - b. bahwa dengan adanya penambahan jenis kegiatan serta penyesuaian koefisien pada Analisis Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial sebagaimana diatur dalam Keputusan Deputi Bidang Informasi Geospasial Dasar Badan Informasi Geospasial Nomor 2 Tahun 2016 tentang Pedoman Penyusunan Analisa Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial Dasar di Lingkungan Deputi Bidang Informasi Geospasial Dasar Badan Informasi Geospasial, perlu mengatur kembali Analisis Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial di lingkungan Badan Informasi Geospasial;
 - c. bahwa sesuai dengan ruang lingkup materi yang diatur, Analisis Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial perlu diatur dengan Peraturan Kepala;

d. bahwa...

- d. bahwa berdasarkan pertimbangan huruf a, huruf b, dan huruf c, perlu menetapkan Peraturan Kepala Badan Informasi Geospasial tentang Analisis Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial;

- Mengingat :
1. Undang-Undang Nomor 4 Tahun 2011 tentang Informasi Geospasial (Lembaran Negara Republik Indonesia Tahun 2011 Nomor 49, Tambahan Lembaran Negara Republik Indonesia Nomor 5214);
 2. Peraturan Pemerintah Nomor 45 Tahun 2013 tentang Tata Cara Pelaksanaan Anggaran Pendapatan dan Belanja Negara (Lembaran Negara Republik Indonesia Tahun 2013 Nomor 103, Tambahan Lembaran Negara Republik Indonesia Nomor 5423);
 3. Peraturan Pemerintah Nomor 90 Tahun 2010 tentang Penyusunan Rencana Kerja dan Anggaran Kementerian Negara/Lembaga (Lembaran Negara Republik Indonesia Tahun 2010 Nomor 152, Tambahan Lembaran Negara Republik Indonesia Nomor 5178);
 4. Peraturan Pemerintah Nomor 9 Tahun 2014 tentang Pelaksanaan Undang-Undang Nomor 4 Tahun 2011 tentang Informasi Geospasial (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 31, Tambahan Lembaran Negara Republik Indonesia Nomor 5502);
 5. Peraturan Presiden Nomor 54 Tahun 2010 tentang Pengadaan Barang/Jasa Pemerintah sebagaimana diubah beberapa kali terakhir dengan Peraturan Presiden Nomor 4 Tahun 2015 tentang Perubahan Keempat Atas Peraturan Presiden Nomor 54 Tahun 2010 (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 5);

6. Peraturan...

6. Peraturan Presiden Nomor 94 Tahun 2011 tentang Badan Informasi Geospasial (Lembaran Negara Republik Indonesia Tahun 2011, Nomor 144), sebagaimana telah diubah dengan Peraturan Presiden Nomor 127 Tahun 2015 tentang Perubahan Atas Peraturan Presiden Nomor 94 Tahun 2011 tentang Badan Informasi Geospasial (Lembaran Negara Republik Indonesia Tahun 2015 Nomor 1255);
7. Peraturan Menteri Keuangan Nomor 71/PMK.02/2013 tentang Pedoman Standar Biaya, Standar Struktur Biaya, dan Indeksasi Dalam Penyusunan Rencana Kerja dan Anggaran Kementerian Negara/Lembaga sebagaimana telah diubah dengan Peraturan Menteri Keuangan Nomor 51/PMK.02/2014 tentang Perubahan Atas Peraturan Menteri Keuangan Nomor 71/PMK.02/2013 tentang Pedoman Standar Biaya, Standar Struktur Biaya, dan Indeksasi Dalam Penyusunan Rencana Kerja dan Anggaran Kementerian Negara/Lembaga;
8. Peraturan Kepala Badan Informasi Geospasial Nomor 3 Tahun 2012 tentang Organisasi dan Tata Kerja Badan Informasi Geospasial sebagaimana telah diubah beberapa kali, terakhir dengan Peraturan Kepala Badan Informasi Geospasial Nomor 2 Tahun 2014 tentang Perubahan Kedua Atas Peraturan Kepala Badan Informasi Geospasial Nomor 3 Tahun 2012 tentang Organisasi dan Tata Kerja Badan Informasi Geospasial;
9. Peraturan Kepala Badan Informasi Geospasial Nomor 4 Tahun 2012 tentang Balai Pendidikan dan Pelatihan Geospasial sebagaimana telah diubah dengan Peraturan Kepala Badan Informasi Geospasial Nomor 4 Tahun 2013 tentang Perubahan Peraturan Kepala Badan Informasi Geospasial Nomor 4 Tahun 2012 tentang Balai Pendidikan dan Pelatihan Geospasial;

10. Peraturan...

10. Peraturan Kepala Badan Informasi Geospasial Nomor 5 Tahun 2012 tentang Balai Layanan Jasa dan Produk Geospasial, sebagaimana telah diubah dengan Peraturan Kepala Badan Informasi Geospasial Nomor 5 Tahun 2013 tentang Perubahan Peraturan Kepala Badan Informasi Geospasial Nomor 5 Tahun 2012 tentang Balai Layanan Jasa dan Produk Geospasial;
11. Peraturan Kepala Badan Informasi Geospasial Nomor 4 Tahun 2015 tentang Pengelolaan Anggaran Pendapatan dan Belanja Negara di Badan Informasi Geospasial;

MEMUTUSKAN:

Menetapkan : PERATURAN KEPALA BADAN INFORMASI GEOSPASIAL TENTANG ANALISIS BIAYA KELUARAN KEGIATAN PENYELENGGARAAN INFORMASI GEOSPASIAL .

Pasal 1

Analisis Biaya Keluaran merupakan rumusan koefisien kegiatan untuk menghasilkan biaya komponen keluaran dalam penyusunan Rencana Kerja dan Anggaran Kegiatan Penyelenggaraan Informasi Geospasial.

Pasal 2

Penyelenggaraan Informasi Geospasial sebagaimana dimaksud dalam Pasal 1 terdiri atas kegiatan:

- a. pengumpulan data geospasial; dan
- b. pengolahan data geospasial dan informasi geospasial.

Pasal 3...

Pasal 3

- (1) Kegiatan pengumpulan data geospasial sebagaimana dimaksud dalam Pasal 2 huruf a terdiri atas jenis pekerjaan:
- a. pemotretan udara digital;
 - b. akuisisi lidar dan pemotretan udara digital;
 - c. survei toponimi;
 - d. perapatan pengukuran *Ground Control Point* (GCP) dan *Independent Control Point* (ICP) untuk orthorektifikasi citra satelit resolusi sangat tinggi;
 - e. delineasi batas desa secara kartometrik;
 - f. pembuatan dan pemasangan pilar batas negara perbatasan Republik Indonesia – Republik Demokratik Timor Leste;
 - g. pekerjaan densifikasi pilar batas Republik Indonesia – Papua Nugini;
 - h. pemotretan udara menggunakan *unmanned aerial vehicle* untuk pembuatan peta segmen batas, peta koridor batas, dan peta pulau kecil terluar;
 - i. pembangunan stasiun *Continuously Operating Reference Station* (CORS);
 - j. pemeliharaan stasiun *Continuously Operating Reference Station* (CORS);
 - k. pembangunan stasiun pasang surut;
 - l. pemeliharaan stasiun pasang surut;
 - m. pembangunan pilar jaring kontrol geodesi;
 - n. pemutakhiran pilar jaring kontrol geodesi;
 - o. pembangunan jaring kontrol horizontal;
 - p. pemutakhiran jaring kontrol horizontal;
 - q. pembangunan jaring kontrol vertikal;
 - r. pemutakhiran jaring kontrol vertikal;
 - s. pembangunan...

- s. pembangunan jaring kontrol geodesi nasional;
 - t. pemutakhiran jaring kontrol geodesi nasional;
 - u. pemutakhiran stasiun gaya berat kontinu;
 - v. survei gaya berat terestris;
 - w. survei *airborne gravity*;
 - x. survei hidrografi kedalaman 0-200m;
 - y. survei hidrografi kedalaman lebih dari 200m;
 - z. pemetaan garis pantai dengan *unmanned aerial vehicle*; dan
 - aa. survei toponimi pulau.
- (2) Analisis Biaya Keluaran untuk kegiatan pengumpulan data geospasial sebagaimana dimaksud pada ayat (1) adalah sebagaimana tercantum dalam Lampiran I yang merupakan bagian tidak terpisahkan dari Peraturan Kepala ini.

Pasal 4

- (1) Kegiatan pengolahan data geospasial dan informasi geospasial sebagaimana dimaksud dalam Pasal 2 huruf b terdiri atas jenis pekerjaan:
- a. pemetaan rupabumi Indonesia skala besar (1:5.000) menggunakan data foto udara;
 - b. pemetaan rupabumi Indonesia skala besar (1:5.000) menggunakan data foto udara-lidar;
 - c. pemetaan rupabumi Indonesia skala menengah digitasi 2 dimensi;
 - d. pemetaan rupabumi Indonesia skala menengah;
 - e. generalisasi peta rupabumi Indonesia skala menengah;
 - f. pemutakhiran peta rupabumi Indonesia skala menengah;

g. pembuatan...

- g. pembuatan sebagian unsur peta rupabumi Indonesia skala besar (1:5.000) menggunakan data citra tegak satelit resolusi sangat tinggi;
 - h. pengolahan dan integrasi data geospasial dasar ke sistem informasi geospasial terpadu;
 - i. pembuatan gasetir;
 - j. penyelenggaraan citra satelit resolusi menengah;
 - k. verifikasi data dasar yang dilakukan pihak non Badan Informasi Geospasial;
 - l. penyajian kartografis peta rupabumi;
 - m. pembuatan peta lingkungan pantai Indonesia;
 - n. pembuatan peta lingkungan laut nasional; dan
 - o. pembuatan gasetir pulau.
- (2) Analisis Biaya Keluaran untuk kegiatan pengolahan data geospasial dan informasi geospasial sebagaimana dimaksud pada ayat (1) adalah sebagaimana tercantum dalam Lampiran II yang merupakan bagian tidak terpisahkan dari Peraturan Kepala ini.

Pasal 5

Analisis Biaya Keluaran Wajib digunakan sebagai acuan dalam penyusunan Rencana Kerja dan Anggaran Kegiatan Penyelenggaraan Informasi Geospasial.

Pasal 6

Pada saat Peraturan Kepala ini mulai berlaku, semua Keputusan di lingkungan Badan Informasi Geospasial terkait Analisis Biaya Keluaran Kegiatan Penyelenggaraan Informasi Geospasial, dicabut dan dinyatakan tidak berlaku.

Pasal 7...

Pasal 7

Peraturan Kepala ini mulai berlaku sejak tanggal ditetapkan.

Ditetapkan di Cibinong
pada tanggal

KEPALA
BADAN INFORMASI GEOSPASIAL,

PRIYADI KARDONO

Salinan Sesuai dengan aslinya
Kepala Bagian Hukum
ttd.

Gindo Sahat JHH

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GEOSPASIAL
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BADAN INFORMASI
GEOSPASIAL

Lampiran I
Peraturan Kepala
Badan Informasi Geospasial
Nomor 12 Tahun 2016

ANALISIS BIAYA KELUARAN
UNTUK KEGIATAN
PENGUMPULAN DATA GEOSPASIAL
DAN INFORMASI GEOSPASIAL

BADAN INFORMASI
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BADAN INFORMASI GEOSPASIAL
2016

Analisis Biaya Keluaran Kegiatan

a. Pemotretan Udara Digital

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Dalam pelaksanaan pekerjaan Pemotretan Udara Digital dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemotretan Udara Digital:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

4. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

Tabel berikut menunjukkan besaran koefisien pada Pemotretan Udara Digital:

| A.1. Pemotretan Udara Digital | | | | | | | | | | | |
|-------------------------------|-----------|---|--|------------------------------------|------------------------------|---------|--|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.1.1 | Persiapan | A.1.1.1. | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 4.0000000 | O.H | | |
| | | | | | | | Staf Administrasi | 4.0000000 | O.H | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.3333333 | O.H. | | |
| | | | | | | | Koordinator Akuisisi Data | 1.3333333 | O.H. | | |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 1.3333333 | O.H. | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Laptop | 1.0000000 | U.H. | | |
| | | | | | | | Printer | 1.0000000 | U.H. | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | ATK | 1.0000000 | Set | | |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim | | |
| | | Tinta Printer | 0.0020000 | Paket | | | | | | | |
| | | c) Jumlah | | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.1.2. | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks | cetak dan digital (scan PDF) | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H. | | |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H. | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---------------------|-------------------|-------------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | pekerjaan | | | Koordinator Pengukuran Titik Kontrol | 0.6666667 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.6666667 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.6666667 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Plotter | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.1.3. | Pelaporan Persiapan | Laporan Persiapan | cetak dan digital (scan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|-------------------------|----------|---|------------------------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | PDF) | | Staf Administrasi | 2.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.2 | Persiapan Akuisisi Data | A.1.2.1. | Penyiapan Alat dan Personil Persiapan Akuisisi Data | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H. |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------------------|--------------------|------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Digital | 1.0000000 | U.H. |
| | | | | | | | Kompas | 1.0000000 | U.H. |
| | | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software Flight Management System | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.2. | Perijinan Akuisisi Data | Ijin Akuisisi Data | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 14.0000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 14.0000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Administrasi SC | 1.0000000 | LS |
| | | | | | | | Administrasi SO | 1.0000000 | LS |
| | | | | | | | Laptop | 28.0000000 0 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------|----------|--------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil | 14.000000 0 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.3. | Mobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Tiket PP (Koordinator) | 2.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--------------------|---|------------------------------|---------------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.2.4. | Survei Pendahuluan | Ijin Lokasi dan Hasil Pengecekan Lokasi | cetak dan digital (scan PDF) | Dokumen / kecamatan | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 3.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 3.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.0000000 | U.H. |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.0000000 | U.H. |
| | | | | | | | Kamera | 3.0000000 | U.H. |
| | | | | | | | Kompas | 3.0000000 | U.H. |
| | | | | | | | Laptop | 6.0000000 | U.H. |
| | | | | | | | Mobil | 3.0000000 | U.H. |
| | | | | | | | Printer | 3.0000000 | U.H. |
| | | | | | | | Scanner A4 | 3.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.5. | Demobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|--|---------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Tiket PP (Koordinator) | 2.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.6. | Pembuatan Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang (Foto Udara) | Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang | cetak dan digital (SHP dan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.0000000 | O.H. |
| | | | | | | | Staf Administrasi | 5.0000000 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 5.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 5.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.0000000 0 | U.H. |
| | | | | | | | PC Workstation | 10.0000000 0 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------------------|-------------------|------------------------------|---------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software Flight Management System | 5.0000000 | U.H. |
| | | | | | | | Software GIS | 10.0000000 | U.H. |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.8. | Pelaporan Akuisisi Data | Laporan Persiapan | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H. |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 2.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 2.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|-------------------------------------|----------|---|------------------------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.3 | Pengukuran Titik Kontrol Foto Udara | A.1.3.1. | Persiapan Alat dan Personil Pengukuran Titik Kontrol Foto Udara | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Surveyor Pengukuran | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Kompas | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Software GPS | 1.1666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------|----------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.2. | Mobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 6.0000000 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Tiket PP (Koordinator dan Surveyor) | 8.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas rendah, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0166667 | O.H |
| | | | | | | | Staf Administrasi | 0.0166667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0166667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1000000 | O.H |
| | | | | | | | Buruh Lokal | 0.1000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1000000 | U.H |
| | | | | | | | Kamera Digital | 0.1000000 | U.H |
| | | | | | | | Kompas | 0.1000000 | U.H |
| | | | | | | | Laptop | 0.1500000 | U.H |
| | | | | | | | Mobil | 0.1000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan | Titik-titik pengukuran | cetak dan digital (scan | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0277778 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas sedang, cuaca baik) | n | pdf) | | Staf Administrasi | 0.0277778 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0277778 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | | Kompas | 0.1666667 | U.H |
| | | | | | | | Laptop | 0.2500000 | U.H |
| | | | | | | | Mobil | 0.1666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0277778 | O.H |
| | | | | | | | Staf Administrasi | 0.0277778 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | berat, cuaca baik) | | | | Koordinator Pengukuran Titik Kontrol | 0.0277778 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | | Kapal | 0.1666667 | U.H |
| | | | | | | | Kompas | 0.1666667 | U.H |
| | | | | | | | Laptop | 0.2500000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaisance (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0833333 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Kompas | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.7500000 | U.H |
| | | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaisance (dengan kesulitan aksesibilitas khusus, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Helikopter | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Kompas | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0238095 | O.H |
| | | | | | | | Staf Administrasi | 0.0238095 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0238095 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1428571 | O.H |
| | | | | | | | Buruh Lokal | 0.1428571 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1428571 | U.H |
| | | | | | | | Kamera Digital | 0.1428571 | U.H |
| | | | | | | | Kompas | 0.1428571 | U.H |
| | | | | | | | Laptop | 0.2142857 | U.H |
| | | | | | | | Mobil | 0.1428571 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaisance (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0396825 | O.H |
| | | | | | | | Staf Administrasi | 0.0396825 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0396825 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Kompas | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3571429 | U.H |
| | | | | | | | Mobil | 0.2380952 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas berat, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0396825 | O.H |
| | | | | | | | Staf Administrasi | 0.0396825 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0396825 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2380952 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Kapal | 0.2380952 | U.H |
| | | | | | | | Kompas | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1190476 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.7142857 | O.H |
| | | | | | | | Buruh Lokal | 0.7142857 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | | Kompas | 0.7142857 | U.H |
| | | | | | | | Laptop | 1.0714286 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil | 0.7142857 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3. | Reconnaissance (dengan kesulitan aksesibilitas khusus, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.2380952 | O.H |
| | | | | | | | Staf Administrasi | 0.2380952 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.4285714 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.4285714 | U.H |
| | | | | | | | Helikopter | 1.4285714 | U.H |
| | | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | | Kompas | 1.4285714 | U.H |
| | | | | | | | Laptop | 2.1428571 | U.H |
| | | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | | Perlengkapan | 1.4285714 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|------------------|--------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Flying Camp | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.4. | Pembuatan BM GCP | BM GCP | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1851852 | O.H |
| | | | | | | | Staf Administrasi | 0.1851852 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1851852 | O.H |
| | | | | | | | Tukang Batu | 0.3703704 | O.H |
| | | | | | | | Buruh Lokal | 0.3703704 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1851852 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | Laptop | 0.5555556 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Air | 0.0027000 | liter |
| | | | | | | | Batu split | 0.0080000 | m ³ |
| | | | | | | | Besi | 0.0025000 | kg |
| | | | | | | | Bras Tablet | 1.0000000 | buah |
| | | | | | | | Cat | 0.0433333 | liter |
| | | | | | | | Paku | 0.5000000 | kg |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|------------------|--------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Papan | 0.2500000 | lembar |
| | | | | | | | Pasir | 0.0053333 | m ³ |
| | | | | | | | Semen | 0.1111111 | sak |
| | | | | | | | Thinner | 0.0433333 | liter |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.5. | Pembuatan BM ICP | BM ICP | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1481481 | O.H |
| | | | | | | | Staf Administrasi | 0.1481481 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1481481 | O.H |
| | | | | | | | Tukang Batu | 0.2962963 | O.H |
| | | | | | | | Buruh Lokal | 0.2962963 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1481481 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | Laptop | 0.4444444 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Air | 0.0013500 | kg |
| | | | | | | | Batu split | 0.0040000 | m ³ |
| | | | | | | | Besi | 0.0012500 | liter |
| | | | | | | | Cat | 0.0216667 | liter |
| | | | | | | | Paralon | 0.6000000 | m |
| | | | | | | | Pasir | 0.0026667 | m ³ |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Semen | 0.0555556 | sak |
| | | | | | | | Thinner | 0.0216667 | m ² |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas rendah, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0333333 | O.H |
| | | | | | | | Staf Administrasi | 0.0333333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0333333 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2000000 | O.H |
| | | | | | | | Buruh Lokal | 0.8000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2333333 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2000000 | U.H |
| | | | | | | | Kamera Digital | 0.2000000 | U.H |
| | | | | | | | Laptop | 0.3000000 | U.H |
| | | | | | | | Mobil | 0.2000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sedang, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0416667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3750000 | U.H |
| | | | | | | | Mobil | 0.2500000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0416667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Kapal | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3750000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0555556 | O.H |
| | | | | | | | Staf Administrasi | 0.0555556 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3333333 | O.H |
| | | | | | | | Buruh Lokal | 1.3333333 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.3888889 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3333333 | U.H |
| | | | | | | | Kamera Digital | 0.3333333 | U.H |
| | | | | | | | Laptop | 0.5000000 | U.H |
| | | | | | | | Mobil | 0.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas daerah rawa, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 4.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas khusus, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0833333 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Helikopter | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.7500000 | U.H |
| | | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 0.0000000 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas rendah, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0476190 | O.H |
| | | | | | | | Staf Administrasi | 0.0476190 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0476190 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2857143 | O.H |
| | | | | | | | Buruh Lokal | 1.1428571 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.3333333 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2857143 | U.H |
| | | | | | | | Kamera Digital | 0.2857143 | U.H |
| | | | | | | | Laptop | 0.4285714 | U.H |
| | | | | | | | Mobil | 0.2857143 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sedang, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Kapal | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas daerah rawa, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.2380952 | O.H |
| | | | | | | | Staf Administrasi | 0.2380952 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.4285714 | O.H |
| | | | | | | | Buruh Lokal | 5.7142857 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.4285714 | U.H |
| | | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | | Laptop | 2.1428571 | U.H |
| | | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6. | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas khusus, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1190476 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.7142857 | O.H |
| | | | | | | | Buruh Lokal | 2.8571429 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | | Helikopter | 0.7142857 | U.H |
| | | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | | Laptop | 1.0714286 | U.H |
| | | | | | | | Mobil | 0.7142857 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|-------------------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Perlengkapan Flying Camp | 0.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas rendah, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0333333 | O.H |
| | | | | | | | Staf Administrasi | 0.0333333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0333333 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2000000 | O.H |
| | | | | | | | Buruh Lokal | 0.2000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2333333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2000000 | U.H |
| | | | | | | | Kamera Digital | 0.2000000 | U.H |
| | | | | | | | Kompas | 0.2000000 | U.H |
| | | | | | | | Laptop | 0.3000000 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil | 0.2000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sedang, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0416667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 0.2500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Kompas | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3750000 | U.H |
| | | | | | | | Mobil | 0.2500000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0416667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 0.2500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Kapal | 0.2500000 | U.H |
| | | | | | | | Kompas | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3750000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|-------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.08333333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.08333333 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.50000000 | O.H |
| | | | | | | | Buruh Lokal | 0.50000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.58333333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.50000000 | U.H |
| | | | | | | | Kamera Digital | 0.50000000 | U.H |
| | | | | | | | Kompas | 0.50000000 | U.H |
| | | | | | | | Laptop | 0.75000000 | U.H |
| | | | | | | | Mobil | 0.50000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP | BM dan Premark | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.16666667 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (dengan kesulitan aksesibilitas khusus, cuaca baik) | Terpasang, Deskripsi | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Helikopter | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Kompas | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP | BM dan Premark | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0476190 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Terpasang, Deskripsi | | | Staf Administrasi | 0.0476190 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0476190 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2857143 | O.H |
| | | | | | | | Buruh Lokal | 0.2857143 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.3333333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2857143 | U.H |
| | | | | | | | Kamera Digital | 0.2857143 | U.H |
| | | | | | | | Kompas | 0.2857143 | U.H |
| | | | | | | | Laptop | 0.4285714 | U.H |
| | | | | | | | Mobil | 0.2857143 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas sedang, cuaca buruk) | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Kompas | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Kapal | 0.3571429 | U.H |
| | | | | | | | Kompas | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.1190476 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.7142857 | O.H |
| | | | | | | | Buruh Lokal | 0.7142857 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | | Kompas | 0.7142857 | U.H |
| | | | | | | | Laptop | 1.0714286 | U.H |
| | | | | | | | Mobil | 0.7142857 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7. | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas khusus, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.2380952 | O.H |
| | | | | | | | Staf Administrasi | 0.2380952 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.4285714 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6666667 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-----------------------------|-------------------|---------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.4285714 | U.H |
| | | | | | | | Helikopter | 1.4285714 | U.H |
| | | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | | Kompas | 1.4285714 | U.H |
| | | | | | | | Laptop | 2.1428571 | U.H |
| | | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.4285714 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.8. | Pengolahan Hasil Pengukuran | Koordinat GCP ICP | digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0555556 | O.H |
| | | | | | | | Staf Administrasi | 0.0555556 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1111111 | U.H |
| | | | | | | | Laptop | 0.2222222 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---------------------------------|----------------------------|-------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software GPS Geodetik | 0.11111111 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.9. | Pemeriksaan Hasil Pengukuran | GCP ICP Sesuai Spesifikasi | digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0370370 | O.H |
| | | | | | | | Staf Administrasi | 0.0370370 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0370370 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0370370 | U.H |
| | | | | | | | Laptop | 0.11111111 | U.H |
| | | | | | | | Software GPS | 0.0370370 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.10 | Pembuatan Deskripsi GCP dan ICP | Koordinat GCP ICP | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0555556 | O.H |
| | | | | | | | Staf Administrasi | 0.0555556 | O.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--------------|----------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | Surveyor Pengolahan | 0.0555556 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1111111 | U.H |
| | | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.11 | Demobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 6.0000000 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / | 1.0000000 | U.H |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|---|-------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Sebaliknya) | | |
| | | | | | | | Tiket PP (Koordinator dan Surveyor) | 8.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.12 | Pelaporan Pengukuran Titik Kontrol Foto Udara | Laporan Pengukuran Titik Kontrol Foto Udara | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | | Scanner A4 | 2.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | | | |
|-------------------------------|----------------------------|----------|---|------------------------------------|------------------------------|---------|-------------------------------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.1.4 | Akuisisi Data (Foto Udara) | A.1.4.1. | Penyiapan Alat dan Personil Akuisisi Data Skala Besar | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H. | | |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H. | | |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. | | |
| | | | | | | | Operator Akuisisi Data | 1.0000000 | O.H. | | |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.0000000 | O.H. | | |
| | | | | | | | Surveyor Base Station | 1.0000000 | O.H. | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.0000000 | U.H. | | |
| | | | | | | | Kamera Udara Digital Metrik | 1.0000000 | U.H. | | |
| | | | | | | | Laptop | 3.0000000 | U.H. | | |
| | | | | | | | Mobil | 1.0000000 | U.H. | | |
| | | | | | | | PC Workstation | 3.0000000 | U.H. | | |
| | | | | | | | Pesawat Udara | 1.0000000 | U.H. | | |
| | | | | | | | Software Flight Management System | 2.0000000 | U.H. | | |
| Software Fotogrametri | 3.0000000 | U.H. | | | | | | | | | |
| Software GPS | 1.0000000 | U.H. | | | | | | | | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|----------------|-----------------------------------|--------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.2. | Instalasi Alat | Dokumen Checklist Alat Terinstall | | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H. |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 2.0000000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 2.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Biaya Instalasi | 1.0000000 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 2.0000000 | U.H. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Mobil | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.3. | Mobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator | 1.0000000 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--------------------|---------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akuisisi Data | | |
| | | | | | | | Operator Akuisisi Data | 1.0000000 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.0000000 | O.H. |
| | | | | | | | Surveyor Base Station | 1.0000000 | O.H. |
| | | | | | | | SO | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Tiket PP (Koordinator, Operator dan Surveyor) | 5.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.4. | Ferry Flight Pergi | Pesawat Siap di Fieldbase | | Jam | Personil | | |
| | | | | | | | | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Udara Digital Metrik | 1.0000000 | U.H. |
| | | | | | | | Ferry Flight | 1.0000000 | L.S |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003000 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003000 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003000 | O.H. |
| | | | | | | | SO | 0.0003000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0012000 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0003000 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003000 | U.H. |
| | | | | | | | Landing Fee | 0.0003000 | U.H. |
| | | | | | | | Laptop | 0.0012000 | U.H. |
| | | | | | | | Mobil | 0.0006000 | U.H. |
| | | | | | | | Pesawat Udara | 0.0010400 | U.J. |
| | | | | | | | RON Fee | 0.0003000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003000 | U.H. |
| | | | | | | | Software GPS | 0.0003000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003000 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003000 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003000 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0003000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0012000 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003000 | U.H. |
| | | | | | | | Ground Handling | 0.0003000 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003000 | U.H. |
| | | | | | | | Landing Fee | 0.0003000 | U.H. |
| | | | | | | | Laptop | 0.0012000 | U.H. |
| | | | | | | | Mobil | 0.0006000 | U.H. |
| | | | | | | | Pesawat Udara | 0.0012600 | U.J. |
| | | | | | | | RON Fee | 0.0003000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003000 | U.H. |
| | | | | | | | Software GPS | 0.0003000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004200 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004200 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004200 | O.H. |
| | | | | | | | SO | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0016800 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004200 | U.H. |
| | | | | | | | Ground Handling | 0.0004200 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004200 | U.H. |
| | | | | | | | Landing Fee | 0.0004200 | U.H. |
| | | | | | | | Laptop | 0.0016800 | U.H. |
| | | | | | | | Mobil | 0.0008400 | U.H. |
| | | | | | | | Pesawat Udara | 0.0018000 | U.J. |
| | | | | | | | RON Fee | 0.0004200 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0004200 | U.H. |
| | | | | | | | Software GPS | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003200 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003200 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003200 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003200 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003200 | O.H. |
| | | | | | | | SO | 0.0003200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0012800 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003200 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0003200 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003200 | U.H. |
| | | | | | | | Landing Fee | 0.0003200 | U.H. |
| | | | | | | | Laptop | 0.0012800 | U.H. |
| | | | | | | | Mobil | 0.0006400 | U.H. |
| | | | | | | | Pesawat Udara | 0.0010800 | U.J. |
| | | | | | | | RON Fee | 0.0003200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003200 | U.H. |
| | | | | | | | Software GPS | 0.0003200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003200 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003200 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003200 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003200 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003200 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0003200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0012800 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003200 | U.H. |
| | | | | | | | Ground Handling | 0.0003200 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003200 | U.H. |
| | | | | | | | Landing Fee | 0.0003200 | U.H. |
| | | | | | | | Laptop | 0.0012800 | U.H. |
| | | | | | | | Mobil | 0.0006400 | U.H. |
| | | | | | | | Pesawat Udara | 0.0013000 | U.J. |
| | | | | | | | RON Fee | 0.0003200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003200 | U.H. |
| | | | | | | | Software GPS | 0.0003200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004600 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004600 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004600 | O.H. |
| | | | | | | | SO | 0.0004600 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0018400 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004600 | U.H. |
| | | | | | | | Ground Handling | 0.0004600 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004600 | U.H. |
| | | | | | | | Landing Fee | 0.0004600 | U.H. |
| | | | | | | | Laptop | 0.0018400 | U.H. |
| | | | | | | | Mobil | 0.0009200 | U.H. |
| | | | | | | | Pesawat Udara | 0.0018800 | U.J. |
| | | | | | | | RON Fee | 0.0004600 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software GPS | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003400 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003400 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003400 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003400 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003400 | O.H. |
| | | | | | | | SO | 0.0003400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0013600 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003400 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0003400 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003400 | U.H. |
| | | | | | | | Landing Fee | 0.0003400 | U.H. |
| | | | | | | | Laptop | 0.0013600 | U.H. |
| | | | | | | | Mobil | 0.0006800 | U.H. |
| | | | | | | | Pesawat Udara | 0.0011200 | U.J. |
| | | | | | | | RON Fee | 0.0003400 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003400 | U.H. |
| | | | | | | | Software GPS | 0.0003400 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003400 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003400 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003400 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003400 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003400 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0003400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0013600 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003400 | U.H. |
| | | | | | | | Ground Handling | 0.0003400 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003400 | U.H. |
| | | | | | | | Landing Fee | 0.0003400 | U.H. |
| | | | | | | | Laptop | 0.0013600 | U.H. |
| | | | | | | | Mobil | 0.0006800 | U.H. |
| | | | | | | | Pesawat Udara | 0.0013400 | U.J. |
| | | | | | | | RON Fee | 0.0003400 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003400 | U.H. |
| | | | | | | | Software GPS | 0.0003400 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004800 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004800 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004800 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004800 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004800 | O.H. |
| | | | | | | | SO | 0.0004800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0019200 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004800 | U.H. |
| | | | | | | | Ground Handling | 0.0004800 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004800 | U.H. |
| | | | | | | | Landing Fee | 0.0004800 | U.H. |
| | | | | | | | Laptop | 0.0019200 | U.H. |
| | | | | | | | Mobil | 0.0009600 | U.H. |
| | | | | | | | Pesawat Udara | 0.0019200 | U.J. |
| | | | | | | | RON Fee | 0.0004800 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0004800 | U.H. |
| | | | | | | | Software GPS | 0.0004800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003800 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003800 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003800 | O.H. |
| | | | | | | | SO | 0.0003800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0015200 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003800 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0003800 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003800 | U.H. |
| | | | | | | | Landing Fee | 0.0003800 | U.H. |
| | | | | | | | Laptop | 0.0015200 | U.H. |
| | | | | | | | Mobil | 0.0007600 | U.H. |
| | | | | | | | Pesawat Udara | 0.0013600 | U.J. |
| | | | | | | | RON Fee | 0.0003800 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003800 | U.H. |
| | | | | | | | Software GPS | 0.0003800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003800 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003800 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003800 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0003800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0015200 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0003800 | U.H. |
| | | | | | | | Ground Handling | 0.0003800 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0003800 | U.H. |
| | | | | | | | Landing Fee | 0.0003800 | U.H. |
| | | | | | | | Laptop | 0.0015200 | U.H. |
| | | | | | | | Mobil | 0.0007600 | U.H. |
| | | | | | | | Pesawat Udara | 0.0016600 | U.J. |
| | | | | | | | RON Fee | 0.0003800 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003800 | U.H. |
| | | | | | | | Software GPS | 0.0003800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0006000 | O.H. |
| | | | | | | | Staf Administrasi | 0.0006000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0006000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0006000 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0006000 | O.H. |
| | | | | | | | SO | 0.0006000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0024000 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0006000 | U.H. |
| | | | | | | | Ground Handling | 0.0006000 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0006000 | U.H. |
| | | | | | | | Landing Fee | 0.0006000 | U.H. |
| | | | | | | | Laptop | 0.0024000 | U.H. |
| | | | | | | | Mobil | 0.0012000 | U.H. |
| | | | | | | | Pesawat Udara | 0.0025800 | U.J. |
| | | | | | | | RON Fee | 0.0006000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0006000 | U.H. |
| | | | | | | | Software GPS | 0.0006000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004200 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004200 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004200 | O.H. |
| | | | | | | | SO | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0016800 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004200 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0004200 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004200 | U.H. |
| | | | | | | | Landing Fee | 0.0004200 | U.H. |
| | | | | | | | Laptop | 0.0016800 | U.H. |
| | | | | | | | Mobil | 0.0008400 | U.H. |
| | | | | | | | Pesawat Udara | 0.0014400 | U.J. |
| | | | | | | | RON Fee | 0.0004200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004200 | U.H. |
| | | | | | | | Software GPS | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004200 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004200 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004200 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004200 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0016800 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004200 | U.H. |
| | | | | | | | Ground Handling | 0.0004200 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004200 | U.H. |
| | | | | | | | Landing Fee | 0.0004200 | U.H. |
| | | | | | | | Laptop | 0.0016800 | U.H. |
| | | | | | | | Mobil | 0.0008400 | U.H. |
| | | | | | | | Pesawat Udara | 0.0017400 | U.J. |
| | | | | | | | RON Fee | 0.0004200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004200 | U.H. |
| | | | | | | | Software GPS | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0006400 | O.H. |
| | | | | | | | Staf Administrasi | 0.0006400 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0006400 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0006400 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0006400 | O.H. |
| | | | | | | | SO | 0.0006400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0025600 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0006400 | U.H. |
| | | | | | | | Ground Handling | 0.0006400 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0006400 | U.H. |
| | | | | | | | Landing Fee | 0.0006400 | U.H. |
| | | | | | | | Laptop | 0.0025600 | U.H. |
| | | | | | | | Mobil | 0.0012800 | U.H. |
| | | | | | | | Pesawat Udara | 0.0026600 | U.J. |
| | | | | | | | RON Fee | 0.0006400 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0006400 | U.H. |
| | | | | | | | Software GPS | 0.0006400 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004600 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004600 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004600 | O.H. |
| | | | | | | | SO | 0.0004600 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0018400 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004600 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.0004600 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004600 | U.H. |
| | | | | | | | Landing Fee | 0.0004600 | U.H. |
| | | | | | | | Laptop | 0.0018400 | U.H. |
| | | | | | | | Mobil | 0.0009200 | U.H. |
| | | | | | | | Pesawat Udara | 0.0015200 | U.J. |
| | | | | | | | RON Fee | 0.0004600 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software GPS | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0004600 | O.H. |
| | | | | | | | Staf Administrasi | 0.0004600 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0004600 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0004600 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.0004600 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0018400 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0004600 | U.H. |
| | | | | | | | Ground Handling | 0.0004600 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0004600 | U.H. |
| | | | | | | | Landing Fee | 0.0004600 | U.H. |
| | | | | | | | Laptop | 0.0018400 | U.H. |
| | | | | | | | Mobil | 0.0009200 | U.H. |
| | | | | | | | Pesawat Udara | 0.0018200 | U.J. |
| | | | | | | | RON Fee | 0.0004600 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software GPS | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|------------|----------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.5. | Akuisisi Data Foto Udara (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara | Raw Foto Udara | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0007000 | O.H. |
| | | | | | | | Staf Administrasi | 0.0007000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0007000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0007000 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0007000 | O.H. |
| | | | | | | | SO | 0.0007000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0028000 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.0007000 | U.H. |
| | | | | | | | Ground Handling | 0.0007000 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik | 0.0007000 | U.H. |
| | | | | | | | Landing Fee | 0.0007000 | U.H. |
| | | | | | | | Laptop | 0.0028000 | U.H. |
| | | | | | | | Mobil | 0.0014000 | U.H. |
| | | | | | | | Pesawat Udara | 0.0027800 | U.J. |
| | | | | | | | RON Fee | 0.0007000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software Flight Management System | 0.0007000 | U.H. |
| | | | | | | | Software GPS | 0.0007000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.0003000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003000 | U.H. |
| | | | | | | | PC Workstation | 0.0003000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003000 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan | Data yang | | | Personil | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Hasil Akuisisi Data (Foto Udara) | Memenuhi Standar Dasar | | | Operator Pengolahan Data Foto Udara | 0.0003000 | O.H. |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003000 | U.H. |
| | | | | | | | PC Workstation | 0.0003000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003000 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI) | | | | Operator Pengolahan Data Foto Udara | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004200 | U.H. |
| | | | | | | | PC Workstation | 0.0004200 | U.H. |
| | | | | | | | Software Flight Management | 0.0004200 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Lama) | | | | System | | |
| | | | | | | | Software Fotogrametri | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.0003200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003200 | U.H. |
| | | | | | | | PC Workstation | 0.0003200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003200 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan | Data yang | | | Personil | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Hasil Akuisisi Data (Foto Udara) | Memenuhi Standar Dasar | | | Operator Pengolahan Data Foto Udara | 0.0003200 | O.H. |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003200 | U.H. |
| | | | | | | | PC Workstation | 0.0003200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003200 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan | | | | Operator Pengolahan Data Foto Udara | 0.0004600 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004600 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | | | | PC Workstation | 0.0004600 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0003400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003400 | U.H. |
| | | | | | | | PC Workstation | 0.0003400 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|---|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Tempuh Fieldbase-AOI Cepat) | | | | Software Flight Management System | 0.0003400 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003400 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0003400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003400 | U.H. |
| | | | | | | | PC Workstation | 0.0003400 | U.H. |
| | | | | | | | Software Flight Management | 0.0003400 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Sedang) | | | | System | | |
| | | | | | | | Software Fotogrametri | 0.0003400 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI | | | | Operator Pengolahan Data Foto Udara | 0.0004800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004800 | U.H. |
| | | | | | | | PC Workstation | 0.0004800 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004800 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Lama) | | | | Software Fotogrametri | 0.0004800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.0003800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003800 | U.H. |
| | | | | | | | PC Workstation | 0.0003800 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003800 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto | Data yang Memenuhi Standar | | | Personil | | |
| | | | | | | | Operator Pengolahan | 0.0003800 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Udara) (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | Dasar | | | Data Foto Udara | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0003800 | U.H. |
| | | | | | | | PC Workstation | 0.0003800 | U.H. |
| | | | | | | | Software Flight Management System | 0.0003800 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003800 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Lama) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0006000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0006000 | U.H. |
| | | | | | | | PC Workstation | 0.0006000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0006000 | U.H. |
| | | | | | | | Software | 0.0006000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Fotogrametri | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004200 | U.H. |
| | | | | | | | PC Workstation | 0.0004200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004200 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | | | | | Operator Pengolahan Data Foto | 0.0004200 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Udara | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004200 | U.H. |
| | | | | | | | PC Workstation | 0.0004200 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004200 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004200 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | | | | Operator Pengolahan Data Foto Udara | 0.0006400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0006400 | U.H. |
| | | | | | | | PC Workstation | 0.0006400 | U.H. |
| | | | | | | | Software Flight Management System | 0.0006400 | U.H. |
| | | | | | | | Software | 0.0006400 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Fotogrametri | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.0004600 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004600 | U.H. |
| | | | | | | | PC Workstation | 0.0004600 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | | | | | Operator Pengolahan Data Foto | 0.0004600 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Udara | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0004600 | U.H. |
| | | | | | | | PC Workstation | 0.0004600 | U.H. |
| | | | | | | | Software Flight Management System | 0.0004600 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6. | Pengecekan Hasil Akuisisi Data (Foto Udara) | Data yang Memenuhi Standar Dasar | | | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | | | | Operator Pengolahan Data Foto Udara | 0.0007000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0007000 | U.H. |
| | | | | | | | PC Workstation | 0.0007000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0007000 | U.H. |
| | | | | | | | Software | 0.0007000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---------------------|---------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Fotogrametri | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7. | Ferry Flight Pulang | Pesawat Siap di Fieldbase | | Jam | Personil | | |
| | | | | | | | | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Kamera Udara Digital Metrik | 1.0000000 | U.H. |
| | | | | | | | Ferry Flight | 1.0000000 | L.S |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.8. | Demobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. |
| | | | | | | | Operator Akuisisi Data | 1.0000000 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.0000000 | O.H. |
| | | | | | | | Surveyor Base Station | 1.0000000 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------------------------------|-----------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.0000000 | U.H |
| | | | | | | | Tiket PP (Koordinator, Operator dan Surveyor) | 5.0000000 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.9. | Pelaporan Akuisisi Data Skala Besar | Laporan Akuisisi Data | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Akuisisi Data | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|----------------------------|----------|--|------------------------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.5 | Pengolahan Data Foto Udara | A.1.5.1. | Penyiapan Alat dan Personil Pengolahan Data Foto Udara | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H. |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.1666667 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Software Fotogrametri | 0.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---------------------------|-----------------------------|---------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.2. | Penyiapan Data Foto Udara | Kelengkapan Data Foto Udara | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000233 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000233 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000233 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0001400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0000467 | U.H. |
| | | | | | | | PC Workstation | 0.0000933 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0000933 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.3. | Proses | Report AT | Digital (TXT) | Hektar | Personil | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|--------------------------|---|--------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Triangulasi Udara | (Parameter EO, Ketelitian Triangulasi Udara, dan Project Stereomode 1 foto udara) | dan project stereomodel) | | Ketua Tim | 0.0000833 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000833 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000833 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0005000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001667 | U.H. |
| | | | | | | | PC Workstation | 0.0003333 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.4. | Proses Image Correlation | DTM | Digital (LAS) | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003567 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003567 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0003567 | O.H. |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|-------------------------|--|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0021400 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0007133 | U.H. |
| | | | | | | | PC Workstation | 0.0014267 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0014267 | U.H. |
| | | | | | | | Software LIDAR | 0.0023183 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.5. | Proses Orthorektifikasi | Orthofoto per NLP dalam Format Geotiff | Digital (GeoTIF) uncompressed | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000833 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000833 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000833 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0005000 | O.H. |
| | | | | | | | a) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|---------|----------|---|-------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001667 | U.H. |
| | | | | | | | PC Workstation | 0.0003333 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.6. | Pemeriksaan Hasil Pengolahan Foto Udara | Foto Udara Sesuai Spesifikasi | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000556 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000556 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000556 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0003333 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001111 | U.H. |
| | | | | | | | PC Workstation | 0.0002222 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0002222 | U.H. |
| | | | | | | | b) Jumlah | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|-------------------------------|-----------|----------|--------------------------------------|------------------------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.7. | Pelaporan Pengolahan Data Foto Udara | Laporan Pengolahan Data Foto Udara | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.6 | Pelaporan | A.1.6.1. | Kompilasi | Kompilasi | | Dokumen | Personil | | |

| A.1. Pemotretan Udara Digital | | | | | | | | | |
|--|---------|------|-------------|---------|--------|--------|--|------------|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| . | | | Laporan | Laporan | | | Ketua Tim | 5.0000000 | O.H |
| | | | | | | | Staf Administrasi | 5.0000000 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.6666667 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.6666667 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 1.6666667 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Laptop | 10.0000000 | U.H. |
| | | | | | | | PC Workstation | 5.0000000 | U.H. |
| | | | | | | | Printer | 5.0000000 | U.H. |
| | | | | | | | Scanner A4 | 5.0000000 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Harddisk Eksternal | 1.0000000 | Unit |
| | | | | | | | Kertas HVS A4 | 2.0000000 | RIM |
| | | | | | | | Penjilidan | 3.0000000 | Rangka p |
| | | | | | | | Tinta Printer | 1.0000000 | Paket |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |

Keterangan:

- Koefisien alat pada sub-tahapan Pengolahan Foto Udara, yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**





Analisa Biaya Keluaran Kegiatan

b. Akuisisi LiDAR dan pemotretan udara digital

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Akuisisi LiDAR dan pemotretan udara digital dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Akuisisi LiDAR dan pemotretan udara digital:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

4. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

Tabel berikut menunjukkan besaran koefisien pada Akuisisi LiDAR dan pemotretan udara digital:

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | | | |
|--|-----------|---------|-----------------------------|------------------------------------|------------------------------|---------|--|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.1.1. | Persiapan | A.1.1.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 4.0000000 | O.H | | |
| | | | | | | | Staf Administrasi | 4.0000000 | O.H | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H. | | |
| | | | | | | | Koordinator Akuisisi Data | 1.0000000 | O.H. | | |
| | | | | | | | Koordinator Pengolahan Data Lidar | 1.0000000 | O.H. | | |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 1.0000000 | O.H. | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Laptop | 1.0000000 | U.H. | | |
| | | | | | | | Printer | 1.0000000 | U.H. | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks pekerjaan | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.500000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.500000 0 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Lidar | 0.500000 0 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.500000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | | Plotter | 2.000000 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------------|-------------------|------------------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | | Software GIS | 1.000000 | U.H. |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 | Set |
| | | | | | | | | 0 | |
| | | | | | | | Kertas Peta | 2.000000 | lembar A0 |
| | | | | | | | | 0 | |
| | | | | | | | Kertas HVS A4 | 0.020000 | Rim |
| | | | | | | | | 0 | |
| | | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | | | 0 | |
| | | | | | | | Tinta Plotter | 0.000400 | Paket |
| | | | | | | | | 0 | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.1.3 | Pelaporan Persiapan | Laporan Persiapan | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 | O.H. |
| | | | | | | | | 0 | |
| | | | | | | | Staf Administrasi | 2.000000 | O.H. |
| | | | | | | | | 0 | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.000000 | U.K. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|-------------------------|---------|---|------------------------------------|------------------------------|---------|--------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| A.1.2. | Persiapan Akuisisi Data | A.1.2.1 | Penyiapan Alat dan Personil Persiapan Akuisisi Data | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 1.000000 0 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------|--------|-----------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H. |
| | | | | | | | Kamera Digital | 1.000000 0 | U.H. |
| | | | | | | | Kompas | 1.000000 0 | U.H. |
| | | | | | | | Laptop | 2.000000 0 | U.H. |
| | | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | | Software Flight Management System | 1.000000 0 | U.H. |
| | | | | | | | Software GIS | 2.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.2 | Perijinan | Ijin | cetak dan | Dokume | Personil | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------|---------------|--------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | Akuisisi Data | Akuisisi Data | digital (scan PDF) | n | Ketua Tim | 14.000000 | O.H. |
| | | | | | | | Staf Administrasi | 14.000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Administrasi SC | 1.000000 | LS |
| | | | | | | | Administrasi SO | 1.000000 | LS |
| | | | | | | | Laptop | 28.000000 | U.H. |
| | | | | | | | Mobil | 14.000000 | U.H. |
| | | | | | | | Printer | 1.000000 | U.H. |
| | | | | | | | Scanner A4 | 1.000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.3 | Mobilisasi | Tiket PP | | | Personil | | |
| | | . | | | | | Koordinator Pengukuran Titik Kontrol | 1.000000 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--------------------|---|------------------------------|-------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Tiket PP (Koordinator) | 2.000000 0 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.4 | Survei Pendahuluan | Ijin Lokasi dan Hasil Pengecekan Lokasi | cetak dan digital (scan PDF) | Dokumen/kecamatan | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 3.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 3.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.000000 0 | U.H. |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.000000 0 | U.H. |
| | | | | | | | Kamera | 3.000000 0 | U.H. |
| | | | | | | | Kompas | 3.000000 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--------------|----------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Laptop | 6.000000 0 | U.H. |
| | | | | | | | Mobil | 3.000000 0 | U.H. |
| | | | | | | | Printer | 3.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 3.000000 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.2.5 | Demobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | | Tiket PP (Koordinator) | 2.000000 0 | O.K. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|--|---------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.6 | Pembuatan Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang (Foto Udara) | Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang | cetak dan digital (SHP dan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 5.000000 0 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 5.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 5.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.000000 00 | U.H. |
| | | | | | | | PC Workstation | 10.000000 00 | U.H. |
| | | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | | Software Flight Management System | 5.000000 0 | U.H. |
| | | | | | | | Software GIS | 10.000000 00 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--|---------------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.7 | Pembuatan Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang (Foto Udara dan Akuisisi LIDAR) | Peta Rencana Distribusi Titik Kontrol dan Peta Rencana Jalur Terbang | cetak dan digital (SHP dan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 5.000000 0 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 5.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 5.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.00000 00 | U.H. |
| | | | | | | | PC Workstation | 10.00000 00 | U.H. |
| | | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | | Software Flight Management System | 5.000000 0 | U.H. |
| | | | | | | | Software GIS | 10.00000 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------------------|-------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 00 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.2.8 | Pelaporan Akuisisi Data | Laporan Persiapan | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H. |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 2.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 2.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.000000 0 | U.K. |
| | | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|-------------------------------------|---------|---|------------------------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.3. | Pengukuran Titik Kontrol Foto Udara | A.1.3.1 | Persiapan Alat dan Personil Pengukuran Titik Kontrol Foto Udara | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.166666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | | Kompas | 1.000000 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------|----------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | | Software GPS | 1.166666 7 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.3.2 | Mobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.000000 0 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 6.000000 0 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 1.000000 0 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Tiket PP (Koordinator dan Surveyor) | 8.000000 0 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas rendah, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.016666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.016666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.016666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.100000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.100000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.116666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.100000 0 | U.H |
| | | | | | | | Kamera Digital | 0.100000 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | | Kompas | 0.1666667 | U.H |
| | | | | | | | Laptop | 0.2500000 | U.H |
| | | | | | | | Mobil | 0.1666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas berat, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0277778 | O.H |
| | | | | | | | Staf Administrasi | 0.0277778 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0277778 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akomodasi | 0.194444 4 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.166666 7 | U.H |
| | | | | | | | Kamera Digital | 0.166666 7 | U.H |
| | | | | | | | Kapal | 0.166666 7 | U.H |
| | | | | | | | Kompas | 0.166666 7 | U.H |
| | | | | | | | Laptop | 0.250000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.083333 3 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.500000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.500000 0 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.583333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.500000 0 | U.H |
| | | | | | | | Kamera Digital | 0.500000 0 | U.H |
| | | | | | | | Kompas | 0.500000 0 | U.H |
| | | | | | | | Laptop | 0.750000 0 | U.H |
| | | | | | | | Mobil | 0.500000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas khusus, cuaca baik) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.166666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.000000 0 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|----------------------------------|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.166666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | | Helikopter | 1.000000 0 | U.H |
| | | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | | Kompas | 1.000000 0 | U.H |
| | | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | | Mobil | 1.000000 0 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.023809 5 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------------|-------------|-----------|--------|--------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas rendah, cuaca buruk) | | | | Staf Administrasi | 0.0238095 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0238095 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.1428571 | O.H |
| | | | | | | | Buruh Lokal | 0.1428571 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1428571 | U.H |
| | | | | | | | Kamera Digital | 0.1428571 | U.H |
| | | | | | | | Kompas | 0.1428571 | U.H |
| | | | | | | | Laptop | 0.2142857 | U.H |
| | | | | | | | Mobil | 0.1428571 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.3.3 | Reconnaissa | Titik-titik | cetak dan | Titik | Personil | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|--|------------|--------------------|--------|--------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | nce (dengan kesulitan aksesibilitas sedang, cuaca buruk) | pengukuran | digital (scan pdf) | | Ketua Tim | 0.0396825 | O.H |
| | | | | | | | Staf Administrasi | 0.0396825 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0396825 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Kompas | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3571429 | U.H |
| | | | | | | | Mobil | 0.2380952 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|------------------------|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas berat, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0396825 | O.H |
| | | | | | | | Staf Administrasi | 0.0396825 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0396825 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Kapal | 0.2380952 | U.H |
| | | | | | | | Kompas | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.119047 6 | O.H |
| | | | | | | | Staf Administrasi | 0.119047 6 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.119047 6 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.714285 7 | O.H |
| | | | | | | | Buruh Lokal | 0.714285 7 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.833333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.714285 7 | U.H |
| | | | | | | | Kamera Digital | 0.714285 7 | U.H |
| | | | | | | | Kompas | 0.714285 7 | U.H |
| | | | | | | | Laptop | 1.071428 6 | U.H |
| | | | | | | | Mobil | 0.714285 7 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|------------------------|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.3 | Reconnaissance (dengan kesulitan aksesibilitas khusus, cuaca buruk) | Titik-titik pengukuran | cetak dan digital (scan pdf) | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.238095 2 | O.H |
| | | | | | | | Staf Administrasi | 0.238095 2 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.238095 2 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.428571 4 | O.H |
| | | | | | | | Buruh Lokal | 1.428571 4 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.666666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.428571 4 | U.H |
| | | | | | | | Helikopter | 1.428571 4 | U.H |
| | | | | | | | Kamera Digital | 1.428571 4 | U.H |
| | | | | | | | Kompas | 1.428571 4 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Laptop | 2.142857 1 | U.H |
| | | | | | | | Mobil | 1.428571 4 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.428571 4 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.4 | Pembuatan BM GCP | BM GCP | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.185185 2 | O.H |
| | | | | | | | Staf Administrasi | 0.185185 2 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.185185 2 | O.H |
| | | | | | | | Tukang Batu | 0.370370 4 | O.H |
| | | | | | | | Buruh Lokal | 0.370370 4 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.185185 2 | U.H |
| | | | | | | | Laptop | 0.555555 6 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------------|--------|--------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Air | 0.002700 0 | liter |
| | | | | | | | Batu split | 0.008000 0 | m ³ |
| | | | | | | | Besi | 0.002500 0 | kg |
| | | | | | | | Bras Tablet | 1.000000 0 | buah |
| | | | | | | | Cat | 0.043333 3 | liter |
| | | | | | | | Paku | 0.500000 0 | kg |
| | | | | | | | Papan | 0.250000 0 | lembar |
| | | | | | | | Pasir | 0.005333 3 | m ³ |
| | | | | | | | Semen | 0.111111 1 | sak |
| | | | | | | | Thinner | 0.043333 3 | liter |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.5 | Pembuatan BM ICP | BM ICP | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.148148 1 | O.H |
| | | | | | | | Staf Administrasi | 0.148148 1 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|--------------------------------------|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.148148 1 | O.H |
| | | | | | | | Tukang Batu | 0.296296 3 | O.H |
| | | | | | | | Buruh Lokal | 0.296296 3 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.148148 1 | U.H |
| | | | | | | | Laptop | 0.444444 4 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | Air | 0.001350 0 | kg |
| | | | | | | | Batu split | 0.004000 0 | m ³ |
| | | | | | | | Besi | 0.001250 0 | liter |
| | | | | | | | Cat | 0.021666 7 | liter |
| | | | | | | | Paralon | 0.600000 0 | m |
| | | | | | | | Pasir | 0.002666 7 | m ³ |
| | | | | | | | Semen | 0.055555 6 | sak |
| | | | | | | | Thinner | 0.021666 | m ² |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 7 | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas rendah, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.033333 3 | O.H |
| | | | | | | | Staf Administrasi | 0.033333 3 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.033333 3 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.200000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.800000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.233333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.200000 0 | U.H |
| | | | | | | | Kamera Digital | 0.200000 0 | U.H |
| | | | | | | | Laptop | 0.300000 0 | U.H |
| | | | | | | | Mobil | 0.200000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|--------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sedang, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.041666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.250000 0 | O.H |
| | | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.291666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.250000 0 | U.H |
| | | | | | | | Kamera Digital | 0.250000 0 | U.H |
| | | | | | | | Laptop | 0.375000 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|--------|--------|--------------------------------------|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.250000 0 | U.H |
| | | | | | | | Kamera Digital | 0.250000 0 | U.H |
| | | | | | | | Kapal | 0.250000 0 | U.H |
| | | | | | | | Laptop | 0.375000 0 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.055555 6 | O.H |
| | | | | | | | Staf Administrasi | 0.055555 6 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.055555 6 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.333333 3 | O.H |
| | | | | | | | Buruh Lokal | 1.333333 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 3 | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.3888889 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3333333 | U.H |
| | | | | | | | Kamera Digital | 0.3333333 | U.H |
| | | | | | | | Laptop | 0.5000000 | U.H |
| | | | | | | | Mobil | 0.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan | BM dan Premark Terpasang , Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|--|--------|--------|--------|--------------------------------------|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas daerah rawa, cuaca baik) | | | | Koordinator Pengukuran Titik Kontrol | 0.1666667 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 4.0000000 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--------------------------------------|--------|--------|--------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas khusus, cuaca baik) | BM dan Premark Terpasang , Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0833333 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Helikopter | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.7500000 | U.H |
| | | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | | b) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|--------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas rendah, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.047619 0 | O.H |
| | | | | | | | Staf Administrasi | 0.047619 0 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.047619 0 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.285714 3 | O.H |
| | | | | | | | Buruh Lokal | 1.142857 1 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.333333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.285714 3 | U.H |
| | | | | | | | Kamera Digital | 0.285714 3 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|--------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Laptop | 0.428571 4 | U.H |
| | | | | | | | Mobil | 0.285714 3 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas sedang, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.059523 8 | O.H |
| | | | | | | | Staf Administrasi | 0.059523 8 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.059523 8 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.357142 9 | O.H |
| | | | | | | | Buruh Lokal | 1.428571 4 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.416666 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|--------|--------|---|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 7 | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--------------------------------------|--------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Buruh Lokal | 1.428571 4 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.416666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.357142 9 | U.H |
| | | | | | | | Kamera Digital | 0.357142 9 | U.H |
| | | | | | | | Kapal | 0.357142 9 | U.H |
| | | | | | | | Laptop | 0.535714 3 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan | BM dan Premark Terpasang , Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.059523 8 | O.H |
| | | | | | | | Staf Administrasi | 0.059523 8 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|--|--------|--------|--------|--------------------------------------|-----------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas sangat berat, cuaca buruk) | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | Kayu Reng | 1.2000000 | m ² |
| | | | | | | | Plastik Terpal | 2.7000000 | m ² |
| | | | | | | | Tali Rapia | 2.7000000 | m |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|--------------------------------------|--------|--------|--------------------------------------|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas daerah rawa, cuaca buruk) | BM dan Premark Terpasang , Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.238095 2 | O.H |
| | | | | | | | Staf Administrasi | 0.238095 2 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.238095 2 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.428571 4 | O.H |
| | | | | | | | Buruh Lokal | 5.714285 7 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.666666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.428571 4 | U.H |
| | | | | | | | Kamera Digital | 1.428571 4 | U.H |
| | | | | | | | Laptop | 2.142857 1 | U.H |
| | | | | | | | Mobil | 1.428571 4 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 | m ² |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.6 | Pemasangan dan Pembuatan Premark (dengan kesulitan aksesibilitas khusus, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.119047 6 | O.H |
| | | | | | | | Staf Administrasi | 0.119047 6 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.119047 6 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.714285 7 | O.H |
| | | | | | | | Buruh Lokal | 2.857142 9 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.833333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.714285 7 | U.H |
| | | | | | | | Helikopter | 0.714285 7 | U.H |
| | | | | | | | Kamera Digital | 0.714285 7 | U.H |
| | | | | | | | Laptop | 1.071428 6 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|-------------------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil | 0.714285 7 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kayu Reng | 1.200000 0 | m ² |
| | | | | | | | Plastik Terpal | 2.700000 0 | m ² |
| | | | | | | | Tali Rapia | 2.700000 0 | m |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas rendah, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.033333 3 | O.H |
| | | | | | | | Staf Administrasi | 0.033333 3 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.033333 3 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.200000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.200000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.233333 3 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.200000 0 | U.H |
| | | | | | | | Kamera Digital | 0.200000 0 | U.H |
| | | | | | | | Kompas | 0.200000 0 | U.H |
| | | | | | | | Laptop | 0.300000 0 | U.H |
| | | | | | | | Mobil | 0.200000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sedang, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.041666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.250000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.250000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akomodasi | 0.291666 7 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.250000 0 | U.H |
| | | | | | | | Kamera Digital | 0.250000 0 | U.H |
| | | | | | | | Kompas | 0.250000 0 | U.H |
| | | | | | | | Laptop | 0.375000 0 | U.H |
| | | | | | | | Mobil | 0.250000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.041666 7 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.250000 0 | O.H |
| | | | | | | | Buruh Lokal | 0.250000 0 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.291666 7 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.250000 0 | U.H |
| | | | | | | | Kamera Digital | 0.250000 0 | U.H |
| | | | | | | | Kapal | 0.250000 0 | U.H |
| | | | | | | | Kompas | 0.250000 0 | U.H |
| | | | | | | | Laptop | 0.375000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.083333 3 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.500000 0 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Buruh Lokal | 0.500000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.583333 3 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.500000 0 | U.H |
| | | | | | | | Kamera Digital | 0.500000 0 | U.H |
| | | | | | | | Kompas | 0.500000 0 | U.H |
| | | | | | | | Laptop | 0.750000 0 | U.H |
| | | | | | | | Mobil | 0.500000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas khusus, cuaca baik) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.166666 7 | O.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------|--------|-----------|--------|-----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 1.166666 7 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | | Helikopter | 1.000000 0 | U.H |
| | | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | | Kompas | 1.000000 0 | U.H |
| | | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | | Mobil | 1.000000 0 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.000000 0 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.3.7 | Pengukuran | BM dan | cetak dan | Titik | Personil | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|--|------------------------------|---------|--------|--------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | GCP dan ICP (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Premark Terpasang, Deskripsi | digital | | Ketua Tim | 0.047619 0 | O.H |
| | | | | | | | Staf Administrasi | 0.047619 0 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.047619 0 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.285714 3 | O.H |
| | | | | | | | Buruh Lokal | 0.285714 3 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.333333 3 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.285714 3 | U.H |
| | | | | | | | Kamera Digital | 0.285714 3 | U.H |
| | | | | | | | Kompas | 0.285714 3 | U.H |
| | | | | | | | Laptop | 0.428571 4 | U.H |
| | | | | | | | Mobil | 0.285714 3 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sedang, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0595238 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Kompas | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.5357143 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.059523 8 | O.H |
| | | | | | | | Staf Administrasi | 0.059523 8 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.059523 8 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.357142 9 | O.H |
| | | | | | | | Buruh Lokal | 0.357142 9 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.416666 7 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.357142 9 | U.H |
| | | | | | | | Kamera Digital | 0.357142 9 | U.H |
| | | | | | | | Kapal | 0.357142 9 | U.H |
| | | | | | | | Kompas | 0.357142 9 | U.H |
| | | | | | | | Laptop | 0.535714 3 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.119047 6 | O.H |
| | | | | | | | Staf Administrasi | 0.119047 6 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.119047 6 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 0.714285 7 | O.H |
| | | | | | | | Buruh Lokal | 0.714285 7 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.833333 3 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.714285 7 | U.H |
| | | | | | | | Kamera Digital | 0.714285 7 | U.H |
| | | | | | | | Kompas | 0.714285 7 | U.H |
| | | | | | | | Laptop | 1.071428 6 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------------|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Mobil | 0.714285 7 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.7 | Pengukuran GCP dan ICP (dengan kesulitan aksesibilitas khusus, cuaca buruk) | BM dan Premark Terpasang, Deskripsi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.238095 2 | O.H |
| | | | | | | | Staf Administrasi | 0.238095 2 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.238095 2 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 1.428571 4 | O.H |
| | | | | | | | Buruh Lokal | 1.428571 4 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.666666 7 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.428571 4 | U.H |
| | | | | | | | Helikopter | 1.428571 4 | U.H |
| | | | | | | | Kamera Digital | 1.428571 4 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-----------------------------|-------------------|---------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kompas | 1.428571 4 | U.H |
| | | | | | | | Laptop | 2.142857 1 | U.H |
| | | | | | | | Mobil | 1.428571 4 | U.H |
| | | | | | | | Perlengkapan Flying Camp | 1.428571 4 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.8 | Pengolahan Hasil Pengukuran | Koordinat GCP ICP | digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.055555 6 | O.H |
| | | | | | | | Staf Administrasi | 0.055555 6 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.055555 6 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 0.055555 6 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.111111 1 | U.H |
| | | | | | | | Laptop | 0.222222 2 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------|----------------------------|-----------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software GPS Geodetik | 0.111111 1 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.9 | Pemeriksaan Hasil Pengukuran | GCP ICP Sesuai Spesifikasi | digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.037037 0 | O.H |
| | | | | | | | Staf Administrasi | 0.037037 0 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.037037 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.037037 0 | U.H |
| | | | | | | | Laptop | 0.111111 1 | U.H |
| | | | | | | | Software GPS | 0.037037 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.1 | Pembuatan | Koordinat | cetak dan | Titik | Personil | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-----------------------|----------|---------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | 0. | Deskripsi GCP dan ICP | GCP ICP | digital | | Ketua Tim | 0.0555556 | O.H |
| | | | | | | | Staf Administrasi | 0.0555556 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 0.0555556 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1111111 | U.H |
| | | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.1 | Demobilisasi | Tiket PP | | | Personil | | |
| | | 1. | | | | | Koordinator Pengukuran Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | Surveyor Pengukuran Titik Kontrol | 6.0000000 | O.H |
| | | | | | | | Surveyor Pengolahan Titik Kontrol | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------------|---|---|-------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Tiket PP (Koordinator dan Surveyor) | 8.000000 0 | O.K. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.3.1 2. | Pelaporan Pengukuran Titik Kontrol Foto Udara | Laporan Pengukuran Titik Kontrol Foto Udara | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 2.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|--------------------------------------|---------|---|------------------------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.4. | Akuisisi Data (Foto Udara dan LIDAR) | A.1.4.1 | Penyiapan Alat dan Personil Akuisisi Data Skala Besar | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 1.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 1.000000 0 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 1.000000 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.000000 0 | O.H. |
| | | | | | | | Surveyor Base Station | 1.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.000000 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Laser Scanning | 1.000000 0 | U.H. |
| | | | | | | | Laptop | 3.000000 0 | U.H. |
| | | | | | | | Mobil | 1.000000 0 | U.H. |
| | | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | | Pesawat Udara | 1.000000 0 | U.H. |
| | | | | | | | Software Flight Management System | 2.000000 0 | U.H. |
| | | | | | | | Software Fotogrametri | 4.000000 0 | U.H. |
| | | | | | | | Software GPS | 1.000000 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|----------------|-----------------------------------|--------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.2 | Instalasi Alat | Dokumen Checklist Alat Terinstall | | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 2.000000 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 2.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Biaya Instalasi | 1.000000 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Laser Scanning | 2.000000 0 | U.H. |
| | | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | | Mobil | 2.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.3 | Mobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 1.000000 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--------------------|---------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Operator Pengolahan Data LIDAR | 1.000000 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.000000 0 | O.H. |
| | | | | | | | Surveyor Base Station | 1.000000 0 | O.H. |
| | | | | | | | SO | 1.000000 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Tiket PP (Koordinator, Operator dan Surveyor) | 6.000000 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.4.4 | Ferry Flight Pergi | Pesawat Siap di Fieldbase | | Jam | Personil | | |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------|--------------------|--------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Laser Scanning | 1.000000 0 | U.H. |
| | | | | | | | Ferry Flight | 1.000000 0 | L.S |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.5 | Kalibrasi Boresight | Hasil Kalibrasi | | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 3.000000 0 | O.H. |
| | | | | | | | Staf Administrasi | 3.000000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 3.000000 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 3.000000 0 | O.H. |
| | | | | | | | Surveyor Base Station | 3.000000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.000000 0 | U.H. |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 3.000000 0 | U.H. |
| | | | | | | | Ground Handling | 3.000000 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------------|----------------------|--------------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Laser Scanning | 3.000000 0 | U.H. |
| | | | | | | | Landing Fee | 3.000000 0 | U.H. |
| | | | | | | | Laptop | 9.000000 0 | U.H. |
| | | | | | | | Mobil | 3.000000 0 | U.H. |
| | | | | | | | PC Workstation | 6.000000 0 | U.H. |
| | | | | | | | Pesawat Udara | 2.000000 0 | U.J. |
| | | | | | | | Software Flight Management System | 3.000000 0 | U.H. |
| | | | | | | | Software GPS | 3.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat | | | | Ketua Tim | 0.000300 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000300 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|---|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Koordinator Akuisisi Data | 0.000300 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000300 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000300 0 | O.H. |
| | | | | | | | SO | 0.000300 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001200 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000300 0 | U.H. |
| | | | | | | | Ground Handling | 0.000300 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000300 0 | U.H. |
| | | | | | | | Landing Fee | 0.000300 0 | U.H. |
| | | | | | | | Laptop | 0.001200 0 | U.H. |
| | | | | | | | Mobil | 0.000600 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001040 0 | U.J. |
| | | | | | | | RON Fee | 0.000300 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|-----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Software Flight Management System | 0.000300 0 | U.H. |
| | | | | | | | Software GPS | 0.000300 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000300 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000300 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000300 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000300 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000300 0 | O.H. |
| | | | | | | | SO | 0.000300 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akomodasi | 0.001200 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000300 0 | U.H. |
| | | | | | | | Ground Handling | 0.000300 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000300 0 | U.H. |
| | | | | | | | Landing Fee | 0.000300 0 | U.H. |
| | | | | | | | Laptop | 0.001200 0 | U.H. |
| | | | | | | | Mobil | 0.000600 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001260 0 | U.J. |
| | | | | | | | RON Fee | 0.000300 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000300 0 | U.H. |
| | | | | | | | Software GPS | 0.000300 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Lama) | | | | Ketua Tim | 0.000420 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000420 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000420 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000420 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000420 0 | O.H. |
| | | | | | | | SO | 0.000420 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001680 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000420 0 | U.H. |
| | | | | | | | Ground Handling | 0.000420 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000420 0 | U.H. |
| | | | | | | | Landing Fee | 0.000420 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Laptop | 0.001680 0 | U.H. |
| | | | | | | | Mobil | 0.000840 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001800 0 | U.J. |
| | | | | | | | RON Fee | 0.000420 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000420 0 | U.H. |
| | | | | | | | Software GPS | 0.000420 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu | | | | Ketua Tim | 0.000320 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000320 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000320 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000320 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | | |
|--|---------|------|-----------------------------|--------|--------|--------|---|---------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Tempuh Fieldbase-AOI Cepat) | | | | Surveyor Base Station | 0.000320 0 | O.H. | |
| | | | | | | | SO | 0.000320 0 | O.H. | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001280 0 | U.H. | |
| | | | | | | | GPS Geodetik | 0.000320 0 | U.H. | |
| | | | | | | | Ground Handling | 0.000320 0 | U.H. | |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000320 0 | U.H. | |
| | | | | | | | Landing Fee | 0.000320 0 | U.H. | |
| | | | | | | | Laptop | 0.001280 0 | U.H. | |
| | | | | | | | Mobil | 0.000640 0 | U.H. | |
| | | | | | | | Pesawat Udara | 0.001080 0 | U.J. | |
| | | | | | | | RON Fee | 0.000320 0 | U.H. | |
| | | | | | | | Software Flight Management System | 0.000320 0 | U.H. | |
| | | | | | | | Software GPS | 0.000320 | U.H. | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Ketua Tim | 0.000320 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000320 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000320 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000320 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000320 0 | O.H. |
| | | | | | | | SO | 0.000320 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001280 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000320 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.000320 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000320 0 | U.H. |
| | | | | | | | Landing Fee | 0.000320 0 | U.H. |
| | | | | | | | Laptop | 0.001280 0 | U.H. |
| | | | | | | | Mobil | 0.000640 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001300 0 | U.J. |
| | | | | | | | RON Fee | 0.000320 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000320 0 | U.H. |
| | | | | | | | Software GPS | 0.000320 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000460 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | | |
|--|---------|------|---|--------|--------|---|---------------------------|-----------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | | | | | 0 | | |
| | | | | | | | Staf Administrasi | 0.000460 | O.H. | |
| | | | | | | | Koordinator Akuisisi Data | 0.000460 | O.H. | |
| | | | | | | | Operator Akuisisi Data | 0.000460 | O.H. | |
| | | | | | | | Surveyor Base Station | 0.000460 | O.H. | |
| | | | | | | | SO | 0.000460 | O.H. | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001840 | U.H. | |
| | | | | | | | GPS Geodetik | 0.000460 | U.H. | |
| | | | | | | Ground Handling | 0.000460 | U.H. | | |
| | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000460 | U.H. | | |
| | | | | | | Landing Fee | 0.000460 | U.H. | | |
| | | | | | | Laptop | 0.001840 | U.H. | | |
| | | | | | | Mobil | 0.000920 | U.H. | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Pesawat Udara | 0.001880 0 | U.J. |
| | | | | | | | RON Fee | 0.000460 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000460 0 | U.H. |
| | | | | | | | Software GPS | 0.000460 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR(Cuaca Baik,Tingkat Kepadatan Traffic Padat,Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000340 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000340 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000340 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000340 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000340 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.000340 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001360 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000340 0 | U.H. |
| | | | | | | | Ground Handling | 0.000340 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000340 0 | U.H. |
| | | | | | | | Landing Fee | 0.000340 0 | U.H. |
| | | | | | | | Laptop | 0.001360 0 | U.H. |
| | | | | | | | Mobil | 0.000680 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001120 0 | U.J. |
| | | | | | | | RON Fee | 0.000340 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000340 0 | U.H. |
| | | | | | | | Software GPS | 0.000340 0 | U.H. |
| b) Jumlah | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Ketua Tim | 0.000340 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000340 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000340 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000340 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000340 0 | O.H. |
| | | | | | | | SO | 0.000340 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001360 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000340 0 | U.H. |
| | | | | | | | Ground Handling | 0.000340 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------------|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000340 0 | U.H. |
| | | | | | | | Landing Fee | 0.000340 0 | U.H. |
| | | | | | | | Laptop | 0.001360 0 | U.H. |
| | | | | | | | Mobil | 0.000680 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001340 0 | U.J. |
| | | | | | | | RON Fee | 0.000340 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000340 0 | U.H. |
| | | | | | | | Software GPS | 0.000340 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat | | | | Ketua Tim | 0.000480 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000480 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|---|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | | | | Koordinator Akuisisi Data | 0.000480 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000480 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000480 0 | O.H. |
| | | | | | | | SO | 0.000480 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001920 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000480 0 | U.H. |
| | | | | | | | Ground Handling | 0.000480 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000480 0 | U.H. |
| | | | | | | | Landing Fee | 0.000480 0 | U.H. |
| | | | | | | | Laptop | 0.001920 0 | U.H. |
| | | | | | | | Mobil | 0.000960 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001920 0 | U.J. |
| | | | | | | | RON Fee | 0.000480 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|-----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Software Flight Management System | 0.000480 0 | U.H. |
| | | | | | | | Software GPS | 0.000480 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000380 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000380 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000380 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000380 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000380 0 | O.H. |
| | | | | | | | SO | 0.000380 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akomodasi | 0.001520 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000380 0 | U.H. |
| | | | | | | | Ground Handling | 0.000380 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000380 0 | U.H. |
| | | | | | | | Landing Fee | 0.000380 0 | U.H. |
| | | | | | | | Laptop | 0.001520 0 | U.H. |
| | | | | | | | Mobil | 0.000760 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001360 0 | U.J. |
| | | | | | | | RON Fee | 0.000380 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000380 0 | U.H. |
| | | | | | | | Software GPS | 0.000380 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------|--------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Ketua Tim | 0.0003800 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003800 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.0003800 | O.H. |
| | | | | | | | Surveyor Base Station | 0.0003800 | O.H. |
| | | | | | | | SO | 0.0003800 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.0015200 | U.H. |
| | | | | | | | GPS Geodetik | 0.0003800 | U.H. |
| | | | | | | | Ground Handling | 0.0003800 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.0003800 | U.H. |
| | | | | | | | Landing Fee | 0.0003800 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Laptop | 0.001520 0 | U.H. |
| | | | | | | | Mobil | 0.000760 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001660 0 | U.J. |
| | | | | | | | RON Fee | 0.000380 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000380 0 | U.H. |
| | | | | | | | Software GPS | 0.000380 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, | | | | Ketua Tim | 0.000600 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000600 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000600 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000600 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|----------------------------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Waktu Tempuh Fieldbase-AOI Lama) | | | | Surveyor Base Station | 0.000600 0 | O.H. |
| | | | | | | | SO | 0.000600 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.002400 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000600 0 | U.H. |
| | | | | | | | Ground Handling | 0.000600 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000600 0 | U.H. |
| | | | | | | | Landing Fee | 0.000600 0 | U.H. |
| | | | | | | | Laptop | 0.002400 0 | U.H. |
| | | | | | | | Mobil | 0.001200 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.002580 0 | U.J. |
| | | | | | | | RON Fee | 0.000600 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000600 0 | U.H. |
| | | | | | | | Software GPS | 0.000600 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Ketua Tim | 0.000420 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000420 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000420 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000420 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000420 0 | O.H. |
| | | | | | | | SO | 0.000420 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001680 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000420 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Ground Handling | 0.000420 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000420 0 | U.H. |
| | | | | | | | Landing Fee | 0.000420 0 | U.H. |
| | | | | | | | Laptop | 0.001680 0 | U.H. |
| | | | | | | | Mobil | 0.000840 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001440 0 | U.J. |
| | | | | | | | RON Fee | 0.000420 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000420 0 | U.H. |
| | | | | | | | Software GPS | 0.000420 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000420 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | | |
|--|---------|------|--|--------|--------|--------|---|-----------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | | 0 | | |
| | | | | | | | Staf Administrasi | 0.000420 | O.H. | |
| | | | | | | | Koordinator Akuisisi Data | 0.000420 | O.H. | |
| | | | | | | | Operator Akuisisi Data | 0.000420 | O.H. | |
| | | | | | | | Surveyor Base Station | 0.000420 | O.H. | |
| | | | | | | | SO | 0.000420 | O.H. | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001680 | U.H. | |
| | | | | | | | GPS Geodetik | 0.000420 | U.H. | |
| | | | | | | | Ground Handling | 0.000420 | U.H. | |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000420 | U.H. | |
| | | | | | | | Landing Fee | 0.000420 | U.H. | |
| | | | | | | | Laptop | 0.001680 | U.H. | |
| | | | | | | Mobil | 0.000840 | U.H. | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Pesawat Udara | 0.001740 0 | U.J. |
| | | | | | | | RON Fee | 0.000420 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000420 0 | U.H. |
| | | | | | | | Software GPS | 0.000420 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR(Cuaca Buruk, Tingkat Kepadatan Traffic Sedang,Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000640 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000640 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000640 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000640 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000640 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | SO | 0.000640 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.002560 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000640 0 | U.H. |
| | | | | | | | Ground Handling | 0.000640 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000640 0 | U.H. |
| | | | | | | | Landing Fee | 0.000640 0 | U.H. |
| | | | | | | | Laptop | 0.002560 0 | U.H. |
| | | | | | | | Mobil | 0.001280 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.002660 0 | U.J. |
| | | | | | | | RON Fee | 0.000640 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000640 0 | U.H. |
| | | | | | | | Software GPS | 0.000640 0 | U.H. |
| b) Jumlah | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Ketua Tim | 0.000460 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000460 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000460 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000460 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000460 0 | O.H. |
| | | | | | | | SO | 0.000460 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001840 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000460 0 | U.H. |
| | | | | | | | Ground Handling | 0.000460 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------------|----------------------|--------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000460 0 | U.H. |
| | | | | | | | Landing Fee | 0.000460 0 | U.H. |
| | | | | | | | Laptop | 0.001840 0 | U.H. |
| | | | | | | | Mobil | 0.000920 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001520 0 | U.J. |
| | | | | | | | RON Fee | 0.000460 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000460 0 | U.H. |
| | | | | | | | Software GPS | 0.000460 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | . | (Cuaca Buruk, | | | | Ketua Tim | 0.000460 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000460 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|---|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Koordinator Akuisisi Data | 0.000460 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000460 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000460 0 | O.H. |
| | | | | | | | SO | 0.000460 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Akomodasi | 0.001840 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000460 0 | U.H. |
| | | | | | | | Ground Handling | 0.000460 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000460 0 | U.H. |
| | | | | | | | Landing Fee | 0.000460 0 | U.H. |
| | | | | | | | Laptop | 0.001840 0 | U.H. |
| | | | | | | | Mobil | 0.000920 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.001820 0 | U.J. |
| | | | | | | | RON Fee | 0.000460 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------|--------------------------|--------|-----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 0 | |
| | | | | | | | Software Flight Management System | 0.000460 0 | U.H. |
| | | | | | | | Software GPS | 0.000460 0 | U.H. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.4.6 | Akuisisi Data Foto Udara dan LIDAR (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | Foto Udara dan LIDAR | Raw Foto Udara dan LIDAR | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000700 0 | O.H. |
| | | | | | | | Staf Administrasi | 0.000700 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 0.000700 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 0.000700 0 | O.H. |
| | | | | | | | Surveyor Base Station | 0.000700 0 | O.H. |
| | | | | | | | SO | 0.000700 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------|-----------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Akomodasi | 0.002800 0 | U.H. |
| | | | | | | | GPS Geodetik | 0.000700 0 | U.H. |
| | | | | | | | Ground Handling | 0.000700 0 | U.H. |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Lser Scanning | 0.000700 0 | U.H. |
| | | | | | | | Landing Fee | 0.000700 0 | U.H. |
| | | | | | | | Laptop | 0.002800 0 | U.H. |
| | | | | | | | Mobil | 0.001400 0 | U.H. |
| | | | | | | | Pesawat Udara | 0.002780 0 | U.J. |
| | | | | | | | RON Fee | 0.000700 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000700 0 | U.H. |
| | | | | | | | Software GPS | 0.000700 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan | Data yang | | Hektar | Personil | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | Hasil Akuisisi Data (Foto Udara & LIDAR) | Memenuhi Standar Dasar | | | Operator Pengolahan Data LIDAR | 0.000300 0 | O.H. |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Operator Pengolahan Data Foto Udara | 0.000300 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000600 0 | U.H. |
| | | | | | | | PC Workstation | 0.000600 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000600 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000300 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000300 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | . | | | | | Operator Pengolahan Data LIDAR | 0.000300 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000300 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|--|----------------------------------|---------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Akomodasi | 0.000600 0 | U.H. |
| | | | | | | | PC Workstation | 0.000600 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000600 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000300 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000300 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) (Cuaca Baik, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh | Data yang Memenuhi Standar Dasar | | Hektar | Personil | |
| | | | Operator Pengolahan Data LIDAR | | | 0.000420 0 | | O.H. | |
| | | | Operator Pengolahan Data Foto Udara | | | 0.000420 0 | | O.H. | |
| | | | a) Jumlah | | | | | | |
| | | | Alat | | | | | | |
| | | | Akomodasi | | | 0.000840 0 | | U.H. | |
| | | | PC Workstation | | | 0.000840 0 | | U.H. | |
| | | | Software Flight Management System | | | 0.000840 0 | | U.H. | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Fieldbase-AOI Lama) | | | | Software Fotogrametri | 0.000420 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000420 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000320 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000320 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000640 0 | U.H. |
| | | | | | | | PC Workstation | 0.000640 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000640 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000320 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000320 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000320 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000320 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000640 0 | U.H. |
| | | | | | | | PC Workstation | 0.000640 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000640 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000320 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000320 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi | Data yang Memenuhi Standar | | Hektar | Operator Pengolahan Data LIDAR | 0.000460 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------------------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data (Foto Udara & LIDAR) | Dasar | | | Operator Pengolahan Data Foto Udara | 0.000460 0 | O.H. |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000920 0 | U.H. |
| | | | | | | | PC Workstation | 0.000920 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000920 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000460 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000460 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000340 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000340 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000680 0 | U.H. |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | | | |
| | | | (Cuaca Baik, Tingkat Kepadatan | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | | | | PC Workstation | 0.000680 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000680 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000340 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000340 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000340 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000340 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Akomodasi | 0.000680 0 | U.H. |
| | | | | | | | PC Workstation | 0.000680 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000680 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000340 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software LIDAR | 0.000340 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | (Cuaca Baik, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Lama) | | | | Operator Pengolahan Data LIDAR | 0.000480 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000480 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000960 0 | U.H. |
| | | | | | | | PC Workstation | 0.000960 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000960 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000480 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000480 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000380 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000380 0 | O.H. |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Cepat) | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000760 0 | U.H. |
| | | | | | | | PC Workstation | 0.000760 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000760 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000380 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000380 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & | Data yang Memenuhi Standar Dasar | | Hektar | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000380 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000380 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | LIDAR) | | | | a) Jumlah | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Rendah, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000760 0 | U.H. |
| | | | | | | | PC Workstation | 0.000760 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000760 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000380 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000380 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic | | | | Operator Pengolahan Data LIDAR | 0.000600 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000600 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001200 0 | U.H. |
| | | | | | | | PC Workstation | 0.001200 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Rendah, Waktu Tempuh Fieldbase-AOI Lama) | | | | Software Flight Management System | 0.0012000 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0006000 | U.H. |
| | | | | | | | Software LIDAR | 0.0006000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.0004200 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0004200 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Akomodasi | 0.0008400 | U.H. |
| | | | | | | | PC Workstation | 0.0008400 | U.H. |
| | | | | | | | Software Flight Management System | 0.0008400 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004200 | U.H. |
| | | | | | | | Software LIDAR | 0.0004200 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Operator Pengolahan Data LIDAR | 0.000420 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000420 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000840 0 | U.H. |
| | | | | | | | PC Workstation | 0.000840 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000840 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000420 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000420 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000640 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000640 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Sedang, Waktu Tempuh Fieldbase-AOI Lama) | | | | Alat | | |
| | | | | | | | Akomodasi | 0.001280 0 | U.H. |
| | | | | | | | PC Workstation | 0.001280 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.001280 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000640 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000640 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000460 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000460 0 | O.H. |
| | | | | | | | a) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic Padat, Waktu Tempuh Fieldbase-AOI Cepat) | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000920 0 | U.H. |
| | | | | | | | PC Workstation | 0.000920 0 | U.H. |
| | | | | | | | Software Flight Management System | 0.000920 0 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000460 0 | U.H. |
| | | | | | | | Software LIDAR | 0.000460 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000460 0 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000460 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic | | | | Alat | | |
| | | | | | | | Akomodasi | 0.000920 0 | U.H. |
| | | | | | | | PC Workstation | 0.000920 0 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|----------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Padat, Waktu Tempuh Fieldbase-AOI Sedang) | | | | Software Flight Management System | 0.0009200 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0004600 | U.H. |
| | | | | | | | Software LIDAR | 0.0004600 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.7 | Pengecekan Hasil Akuisisi Data (Foto Udara & LIDAR) | Data yang Memenuhi Standar Dasar | | Hektar | Personil | | |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.0007000 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0007000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | (Cuaca Buruk, Tingkat Kepadatan Traffic | | | | Akomodasi | 0.0014000 | U.H. |
| | | | Padat, Waktu Tempuh Fieldbase-AOI Lama) | | | | PC Workstation | 0.0014000 | U.H. |
| | | | | | | | Software Flight Management System | 0.0014000 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0007000 | U.H. |
| | | | | | | | Software LIDAR | 0.0007000 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------------|---------------------------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.1.4.8 | Ferry Flight Pulang | Pesawat Siap di Fieldbase | | Jam | | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Kamera Udara Digital Metrik + Airbone Laser Scanning | 1.000000 0 | U.H. |
| | | | | | | | Ferry Flight | 1.000000 0 | L.S |
| | | | | | | | | | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.4.9 | Demobilisasi | Tiket PP | | | Personil | | |
| | | | | | | | Koordinator Akuisisi Data | 1.000000 0 | O.H. |
| | | | | | | | Operator Akuisisi Data | 1.000000 0 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 1.000000 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|-----------|-------------------------------------|-----------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.000000 0 | O.H. |
| | | | | | | | Surveyor Base Station | 1.000000 0 | O.H. |
| | | | | | | | SO | 1.000000 0 | O.H. |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Mobil (Kantor - Bandara / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | | Tiket PP (Koordinator, Operator dan Surveyor) | 6.000000 0 | O.K. |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.1.4.10. | Pelaporan Akuisisi Data Skala Besar | Laporan Akuisisi Data | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | | Koordinator Akuisisi Data | 2.000000 0 | O.H |
| a) Jumlah | | | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|-----------------------|---------|---|------------------------------------|------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.000000 0 | U.K. |
| | | | | | | | Laptop | 2.000000 0 | U.H. |
| | | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.5. | Pengolahan Data LIDAR | A.1.5.1 | Penyiapan Alat dan Personil Pengolahan Data LIDAR | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.166666 7 | O.H. |
| | | | | | | | Staf Administrasi | 0.166666 7 | O.H. |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 0.166666 7 | O.H. |
| | | | | | | | Operator Pengolahan Data | 1.000000 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|----------------------|------------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | LIDAR | 0 | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.333333 3 | U.H. |
| | | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | | Software LIDAR | 0.666666 7 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.2 | Penyiapan Data LIDAR | Kelengkapan Data LIDAR | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000023 3 | O.H. |
| | | | | | | | Staf Administrasi | 0.000023 3 | O.H. |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 0.000023 3 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000140 0 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--|----------------------------------|---------------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0000467 | U.H. |
| | | | | | | | PC Workstation | 0.0000933 | U.H. |
| | | | | | | | Software LIDAR | 0.0000933 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.3 | Proses Klasifikasi dan Filtering Point Cloud | Point Cloud, DSM, DTM, Intensity | Digital (LAS, BIL, TIFF) uncompressed | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0003333 | O.H. |
| | | | | | | | Staf Administrasi | 0.0003333 | O.H. |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 0.0003333 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.0020000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0006667 | U.H. |
| | | | | | | | PC Workstation | 0.0013333 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------------------------------|--------|---------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Software LIDAR | 0.001333 3 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.4 | Proses Pembentukan dan Editing Kontur | Kontur | Digital (BIL) | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000083 3 | O.H. |
| | | | | | | | Staf Administrasi | 0.000083 3 | O.H. |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 0.000083 3 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.000500 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.000166 7 | U.H. |
| | | | | | | | PC Workstation | 0.000333 3 | U.H. |
| | | | | | | | Software LIDAR | 0.000333 3 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|------------------------------------|-------------------------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.5 | Pemeriksaan Hasil Pengolahan LIDAR | LIDAR Sesuai Spesifikasi | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000333 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000333 | O.H. |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 0.0000333 | O.H. |
| | | | | | | | Operator Pengolahan Data LIDAR | 0.0002000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0000667 | U.H. |
| | | | | | | | PC Workstation | 0.0001333 | U.H. |
| | | | | | | | Software LIDAR | 0.0001333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.5.6 | Pelaporan Pengolahan Data LIDAR | Laporan Pengolahan Data LIDAR | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H. |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|----------------------------|---------|--|------------------------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Koordinator Pengolahan Data LIDAR | 2.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.000000 0 | U.K. |
| | | | | | | | Laptop | 2.000000 0 | U.H. |
| | | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.6. | Pengolahan Data Foto Udara | A.1.6.1 | Penyiapan Alat dan Personil Pengolahan Data Foto | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.166666 7 | O.H. |
| | | | | | | | Staf Administrasi | 0.166666 7 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---------------------------|-----------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Udara | | | | Koordinator Pengolahan Data Foto Udara | 0.1666667 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 1.0000000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Software Fotogrametri | 0.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.6.2 | Penyiapan Data Foto Udara | Kelengkapan Data Foto Udara | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000233 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000233 | O.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--------------------------|--|---------------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.000023 3 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000140 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.000046 7 | U.H. |
| | | | | | | | PC Workstation | 0.000093 3 | U.H. |
| | | | | | | | Software Fotogrametri | 0.000093 3 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.6.3 | Proses Triangulasi Udara | Report AT (Parameter EO, Ketelitian Triangulasi Udara, dan Project Stereomodel foto udara) | Digital (TXT dan project stereomodel) | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.000083 3 | O.H. |
| | | | | | | | Staf Administrasi | 0.000083 3 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.000083 3 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.000500 0 | O.H. |
| | | | | | | | a) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|-------------------------|--|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001667 | U.H. |
| | | | | | | | PC Workstation | 0.0003333 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.6.4 | Proses Orthorektifikasi | Orthofoto per NLP dalam Format Geotiff | Digital (GeoTIF) uncompressed | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000833 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000833 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000833 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0005000 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001667 | U.H. |
| | | | | | | | PC Workstation | 0.0003333 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0003333 | U.H. |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | 3 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.6.5 | Pemeriksaan Hasil Pengolahan Foto Udara | Foto Udara Sesuai Spesifikasi | | Hektar | Personil | | |
| | | | | | | | Ketua Tim | 0.0000556 | O.H. |
| | | | | | | | Staf Administrasi | 0.0000556 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 0.0000556 | O.H. |
| | | | | | | | Operator Pengolahan Data Foto Udara | 0.0003333 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0001111 | U.H. |
| | | | | | | | PC Workstation | 0.0002222 | U.H. |
| | | | | | | | Software Fotogrametri | 0.0002222 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|---------|--------------------------------------|------------------------------------|------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.1.6.6 | Pelaporan Pengolahan Data Foto Udara | Laporan Pengolahan Data Foto Udara | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 2.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.000000 0 | U.K. |
| | | | | | | | Laptop | 2.000000 0 | U.H. |
| | | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | | Tinta Printer | 0.020000 0 | Paket |
| | | | | | | | c) Jumlah | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------------|---------|-------------------|-------------------|--------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.1.8. | Pelaporan | A.1.8.1 | Kompilasi Laporan | Kompilasi Laporan | | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | | Staf Administrasi | 5.000000 0 | O.H |
| | | | | | | | Koordinator Pengukuran Titik Kontrol | 1.250000 0 | O.H. |
| | | | | | | | Koordinator Akuisisi Data | 1.250000 0 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Lidar | 1.250000 0 | O.H. |
| | | | | | | | Koordinator Pengolahan Data Foto Udara | 1.250000 0 | O.H. |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.000000 00 | U.H. |
| | | | | | | | PC Workstation | 5.000000 0 | U.H. |
| | | | | | | | Printer | 5.000000 0 | U.H. |
| | | | | | | | Scanner A4 | 5.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| Bahan | | | | | | | | | |
| ATK | 1.000000 0 | Set | | | | | | | |

| A.1. Akuisisi LiDAR dan pemotretan udara digital | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------|---|---------------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | Harddisk Eksternal | 1.000000 0 | Unit |
| | | | | | | | Kertas HVS A4 | 2.000000 0 | RIM |
| | | | | | | | Penjilidan | 3.000000 0 | Rangkap |
| | | | | | | | Tinta Printer | 1.000000 0 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

Keterangan:

- Koefisien alat pada sub-tahapan Pengolahan Foto Udara dan sub-tahapan Pengolahan Data LiDAR, yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisis Biaya Keluaran Kegiatan
c. Survey Toponimi

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Survey Toponimi dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Survey Toponimi

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

3. Kepadatan Objek (Fitur Data)

Jarang : Tutupan lahan bangunan dan vegetasi lebat mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan vegetasi lebat mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan vegetasi lebat mencakup >60% blok pekerjaan

4. Topografi

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

5. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

6. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

7. Kualitas Citra Satelit

Berawan : Tutupan awan mencakup >40% blok pekerjaan

Tidak Berawan : Tutupan Awan mencakup <40% blok pekerjaan

Tabel berikut menunjukkan besaran koefisien pada Survey Toponimi

| A.9. Survey Toponim | | | | | | | | | | |
|----------------------------|----------------|-------------|-----------------------------|--|---------------|-------------------------------------|------------------|---------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.9.1. | Persiapan | A.9.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 4.00000 | O.H | | |
| | | | | | | Staf Administrasi | 4.00000 | O.H | | |
| | | | | | | Koordinator Survei Toponim | 4.00000 | O.H | | |
| | | | | | | Koordinator Pengolahan Data Toponim | 4.00000 | O.H | | |
| | | | | | | Koordinator Verifikasi Data | 4.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Fotokopi | 0.00000 | U.H | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.00000 | U.H | | |
| | | | | | | Kamera Digital | 0.00000 | U.H | | |
| | | | | | | Laptop | 0.00000 | U.H | | |
| | | | | | | PC Workstation | 0.00000 | U.H | | |
| | | | | | | Plotter | 0.00000 | U.H. | | |
| | | | | | | Printer | 0.00000 | U.H. | | |
| | | | | | | Scanner | 0.00000 | U.H. | | |
| | | | | | | Software GIS | 0.00000 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.00000 | Set | | |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|--|-----------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Survei Toponim | 2.00000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim | 2.00000 | O.H |
| | | | | | | Koordinator Verifikasi Data | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 6.00000 | U.H. |
| | | | | | | Plotter | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | Software GIS | 6.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | Paket |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|----------------|---------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.9.2. | Penyiapan Data | A.9.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 | U.H. |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|---------|----------------|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1.00000 | U.H. |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 | U.H. |
| | | | | | | PC Workstation | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|--|---------------------------------|----------|--|--|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.9.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| A.9.3. | Persiapan Survey Toponimi | A.9.3.1. | Persiapan Alat dan Personil Persiapan Survei Toponimi | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Survei Toponimi | 0.16667 | O.H |
| | | | | | | Surveyor Toponimi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|---------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.3. | Koordinasi dengan Instansi Terkait | Ijin Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.16667 | O.H |
| | | | | | | Staf Administrasi | 1.16667 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.33333 | O.H |
| | | | | | | Surveyor Toponimi | 14.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 18.66667 | U.H |
| | | | | | | Laptop | 18.66667 | U.H |
| | | | | | | Mobil | 14.00000 | U.H |
| | | | | | | Printer | 14.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.4. | Demobilisasi Persiapan Survei Toponimi | Berita acara demobilisasi | | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.00000 | O.H |
| | | | | | | Surveyor Toponimi | 1.00000 | O.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket Transportasi | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.5. | Pengumpulan Data Sekunder | Data Sekunder Terkumpul | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.50000 | O.H |
| | | | | | | Staf Administrasi | 2.50000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.00000 | O.H |
| | | | | | | Surveyor Toponimi | 30.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.00000 | U.H |
| | | | | | | PC Workstation | 35.00000 | U.H |
| | | | | | | Software GIS | 35.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|--------------------------------|----------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | (a+b+c) | | |
| | | A.9.3.6. | Pembentukan Peta Manuskrip | Peta Manuskrip | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.02083 | O.H |
| | | | | | | Staf Administrasi | 0.02083 | O.H |
| | | | | | | Koordinator Survei Toponimi | 0.04167 | O.H |
| | | | | | | Surveyor Toponimi | 0.25000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.04167 | U.H |
| | | | | | | PC Workstation | 0.29167 | U.H |
| | | | | | | Software GIS | 0.29167 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.7. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.58333 | O.H |
| | | | | | | Staf Administrasi | 0.58333 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.16667 | O.H |
| | | | | | | Surveyor Toponimi | 7.00000 | O.H |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|-------------------------------------|----------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.16667 | U.H |
| | | | | | | PC Workstation | 8.16667 | U.H |
| | | | | | | Software GIS | 8.16667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.8. | Pencetakan dan Penggandaan Formulir | Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.58333 | O.H |
| | | | | | | Staf Administrasi | 0.58333 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.16667 | O.H |
| | | | | | | Surveyor Toponimi | 7.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Fotokopi | 7.00000 | U.H |
| | | | | | | Laptop | 1.16667 | U.H |
| | | | | | | PC Workstation | 8.16667 | U.H |
| | | | | | | Printer | 7.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | set |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|-----------------|-----------|---|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.3.9. | Pelaporan Persiapan Survei Toponimi | Laporan Persiapan Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.9.4. | Survei Toponimi | A.9.4.1.. | Persiapan Alat dan Personil Survei Toponimi | Dokumen Kesiapan Alat dan Personil Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Survei Toponimi | 0.16667 | O.H |
| | | | | | | Surveyor Toponimi | 1.00000 | O.H |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|----------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | | Laptop | 1.33333 | U.H |
| | | | | | | Perekam Suara | 1.00000 | U.H |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.1.2. | Mobilisasi Survei Toponimi | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.00000 | O.H |
| | | | | | | Surveyor Toponimi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket Transportasi | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.66667 | O.H |
| | | | | | | Staf Administrasi | 1.66667 | O.H |
| | | | | | | Koordinator Survei Toponimi | 3.33333 | O.H |
| | | | | | | Surveyor Toponimi | 20.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 26.66667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 20.00000 | U.H |
| | | | | | | Kamera Digital | 20.00000 | U.H |
| | | | | | | Laptop | 26.66667 | U.H |
| | | | | | | Mobil | 20.00000 | U.H |
| | | | | | | Perekam Suara | 20.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan | Data | NLP | Personil | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Toponim dan Deskripsinya, Informasi dari Narasumber | | Ketua Tim | 2.50000 | O.H |
| | | | | | | Staf Administrasi | 2.50000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.00000 | O.H |
| | | | | | | Surveyor Toponimi | 30.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 40.00000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 30.00000 | U.H |
| | | | | | | Kamera Digital | 30.00000 | U.H |
| | | | | | | Laptop | 40.00000 | U.H |
| | | | | | | Mobil | 30.00000 | U.H |
| | | | | | | Perekam Suara | 30.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas berat, | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.50000 | O.H |
| | | | | | | Staf Administrasi | 2.50000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.00000 | O.H |
| | | | | | | Surveyor Toponimi | 30.00000 | O.H |
| | | | | | | a) Jumlah | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kepadatan objek padat, cuaca baik) | | | Alat | | |
| | | | | | | Akomodasi | 40.00000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 30.00000 | U.H |
| | | | | | | Kamera Digital | 30.00000 | U.H |
| | | | | | | Kapal | 30.00000 | U.H |
| | | | | | | Laptop | 40.00000 | U.H |
| | | | | | | Perekam Suara | 30.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 3.75000 | O.H |
| | | | | | | Staf Administrasi | 3.75000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 7.50000 | O.H |
| | | | | | | Surveyor Toponimi | 45.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 60.00000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 45.00000 | U.H |
| | | | | | | Kamera Digital | 45.00000 | U.H |
| | | | | | | Laptop | 15.00000 | U.H |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 3.57143 | O.H |
| | | | | | | Staf Administrasi | 3.57143 | O.H |
| | | | | | | Koordinator Survei Toponimi | 7.14286 | O.H |
| | | | | | | Surveyor Toponimi | 42.85714 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 57.14286 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 42.85714 | U.H |
| | | | | | | Kamera Digital | 42.85714 | U.H |
| | | | | | | Laptop | 57.14286 | U.H |
| | | | | | | Mobil | 42.85714 | U.H |
| | | | | | | Perekam Suara | 42.85714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim | Data Toponim dan Deskripsinya, | NLP | Personil | | |
| | | | | | | Ketua Tim | 3.57143 | O.H |
| | | | | | | Staf Administrasi | 3.57143 | O.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Skala 1:5K (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Informasi dari Narasumber | | Koordinator Survei Toponimi | 7.14286 | O.H |
| | | | | | | Surveyor Toponimi | 42.85714 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 57.14286 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 42.85714 | U.H |
| | | | | | | Kamera Digital | 42.85714 | U.H |
| | | | | | | Kapal | 42.85714 | U.H |
| | | | | | | Laptop | 57.14286 | U.H |
| | | | | | | Perekam Suara | 42.85714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 5.35714 | O.H |
| | | | | | | Staf Administrasi | 5.35714 | O.H |
| | | | | | | Koordinator Survei Toponimi | 10.71429 | O.H |
| | | | | | | Surveyor Toponimi | 64.28571 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 85.71429 | U.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | cuaca buruk) | | | GPS Handheld dan Kelengkapannya | 64.28571 | U.H |
| | | | | | | Kamera Digital | 64.28571 | U.H |
| | | | | | | Laptop | 21.42857 | U.H |
| | | | | | | Mobil | 64.28571 | U.H |
| | | | | | | Perekam Suara | 64.28571 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.28205 | O.H |
| | | | | | | Staf Administrasi | 1.28205 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.56410 | O.H |
| | | | | | | Surveyor Toponimi | 15.38462 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 20.51282 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 15.38462 | U.H |
| | | | | | | Kamera Digital | 15.38462 | U.H |
| | | | | | | Laptop | 20.51282 | U.H |
| | | | | | | Mobil | 15.38462 | U.H |
| | | | | | | Perekam Suara | 15.38462 | U.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.92308 | O.H |
| | | | | | | Staf Administrasi | 1.92308 | O.H |
| | | | | | | Koordinator Survei Toponimi | 3.84615 | O.H |
| | | | | | | Surveyor Toponimi | 23.07692 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 30.76923 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 23.07692 | U.H |
| | | | | | | Kamera Digital | 23.07692 | U.H |
| | | | | | | Laptop | 30.76923 | U.H |
| | | | | | | Mobil | 23.07692 | U.H |
| | | | | | | Perekam Suara | 23.07692 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.92308 | O.H |
| | | | | | | Staf Administrasi | 1.92308 | O.H |
| | | | | | | Koordinator Survei Toponimi | 3.84615 | O.H |
| | | | | | | Surveyor Toponimi | 23.07692 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 30.76923 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 23.07692 | U.H |
| | | | | | | Kamera Digital | 23.07692 | U.H |
| | | | | | | Kapal | 23.07692 | U.H |
| | | | | | | Laptop | 30.76923 | U.H |
| | | | | | | Perekam Suara | 23.07692 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.88462 | O.H |
| | | | | | | Staf Administrasi | 2.88462 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.76923 | O.H |
| | | | | | | Surveyor Toponimi | 34.61538 | O.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 46.15385 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 34.61538 | U.H |
| | | | | | | Kamera Digital | 34.61538 | U.H |
| | | | | | | Laptop | 11.53846 | U.H |
| | | | | | | Mobil | 34.61538 | U.H |
| | | | | | | Perekam Suara | 34.61538 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.83150 | O.H |
| | | | | | | Staf Administrasi | 1.83150 | O.H |
| | | | | | | Koordinator Survei Toponimi | 3.66300 | O.H |
| | | | | | | Surveyor Toponimi | 21.97802 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 29.30403 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 21.97802 | U.H |
| | | | | | | Kamera Digital | 21.97802 | U.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 29.30403 | U.H |
| | | | | | | Mobil | 21.97802 | U.H |
| | | | | | | Perekam Suara | 21.97802 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.74725 | O.H |
| | | | | | | Staf Administrasi | 2.74725 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.49451 | O.H |
| | | | | | | Surveyor Toponimi | 32.96703 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 43.95604 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 32.96703 | U.H |
| | | | | | | Kamera Digital | 32.96703 | U.H |
| | | | | | | Laptop | 43.95604 | U.H |
| | | | | | | Mobil | 32.96703 | U.H |
| | | | | | | Perekam Suara | 32.96703 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.74725 | O.H |
| | | | | | | Staf Administrasi | 2.74725 | O.H |
| | | | | | | Koordinator Survei Toponimi | 5.49451 | O.H |
| | | | | | | Surveyor Toponimi | 32.96703 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 43.95604 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 32.96703 | U.H |
| | | | | | | Kamera Digital | 32.96703 | U.H |
| | | | | | | Kapal | 32.96703 | U.H |
| | | | | | | Laptop | 43.95604 | U.H |
| | | | | | | Perekam Suara | 32.96703 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data | Data Toponim dan | NLP | Personil | | |
| | | | | | | Ketua Tim | 4.12088 | O.H |

| A.9. Survey Toponim | | | | | | | | | | | |
|---------------------|---------|----------|---|---|--------|---------------------------------|-----------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Toponim Skala 1:5K (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Deskripsinya, Informasi dari Narasumber | | Staf Administrasi | 4.12088 | O.H | | | |
| | | | | | | Koordinator Survei Toponimi | 8.24176 | O.H | | | |
| | | | | | | Surveyor Toponimi | 49.45055 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 65.93407 | U.H | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 49.45055 | U.H | | | |
| | | | | | | Kamera Digital | 49.45055 | U.H | | | |
| | | | | | | Laptop | 16.48352 | U.H | | | |
| | | | | | | Mobil | 49.45055 | U.H | | | |
| | | | | | | Perekam Suara | 49.45055 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | A.9.4.3. | Pengumpulan | Data | NLP | Personil | | | | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|------|---|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Toponim dan Deskripsinya, Informasi dari Narasumber | | Ketua Tim | 0.98619 | O.H |
| | | | | | | Staf Administrasi | 0.98619 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.97239 | O.H |
| | | | | | | Surveyor Toponimi | 11.83432 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 15.77909 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 11.83432 | U.H |
| | | | | | | Kamera Digital | 11.83432 | U.H |
| | | | | | | Laptop | 15.77909 | U.H |
| | | | | | | Mobil | 11.83432 | U.H |
| | | | | | | Perekam Suara | 11.83432 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.47929 | O.H |
| | | | | | | Staf Administrasi | 1.47929 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.95858 | O.H |
| | | | | | | Surveyor Toponimi | 17.75148 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 23.66864 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 17.75148 | U.H |
| | | | | | | Kamera Digital | 17.75148 | U.H |
| | | | | | | Laptop | 23.66864 | U.H |
| | | | | | | Mobil | 17.75148 | U.H |
| | | | | | | Perekam Suara | 17.75148 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan | Data | NLP | Personil | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Toponim dan Deskripsinya, Informasi dari Narasumber | | Ketua Tim | 1.47929 | O.H |
| | | | | | | Staf Administrasi | 1.47929 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.95858 | O.H |
| | | | | | | Surveyor Toponimi | 17.75148 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 23.66864 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 17.75148 | U.H |
| | | | | | | Kamera Digital | 17.75148 | U.H |
| | | | | | | Kapal | 17.75148 | U.H |
| | | | | | | Laptop | 23.66864 | U.H |
| | | | | | | Perekam Suara | 17.75148 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.21893 | O.H |
| | | | | | | Staf Administrasi | 2.21893 | O.H |
| | | | | | | Koordinator Survei | 4.43787 | O.H |

| A.9. Survey Toponim | | | | | | | | | | | |
|---------------------|---------|----------|---|--|--------|---|-----------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | | | Toponimi | | | | | |
| | | | | | | Surveyor Toponimi | 26.62722 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 35.50296 | U.H | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 26.62722 | U.H | | | |
| | | | | | | Kamera Digital | 26.62722 | U.H | | | |
| | | | | | | Laptop | 8.87574 | U.H | | | |
| | | | | | | Mobil | 26.62722 | U.H | | | |
| | | | | | | Perekam Suara | 26.62722 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K | Data Toponim dan Deskripsinya, Informasi | NLP | Personil | | | | | |
| | | | | | | Ketua Tim | 1.40885 | O.H | | | |
| | | | | | | Staf Administrasi | 1.40885 | O.H | | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | dari Narasumber | | Koordinator Survei Toponimi | 2.81770 | O.H |
| | | | | | | Surveyor Toponimi | 16.90617 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 22.54156 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 16.90617 | U.H |
| | | | | | | Kamera Digital | 16.90617 | U.H |
| | | | | | | Laptop | 22.54156 | U.H |
| | | | | | | Mobil | 16.90617 | U.H |
| | | | | | | Perekam Suara | 16.90617 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.3. | Pengumpulan Data Toponim | Data Toponim dan Deskripsinya, | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.11327 | O.H |

| A.9. Survey Toponim | | | | | | | | | | | |
|---------------------|---------|----------|--|---------------------------|--------|---------------------------------|-----------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Skala 1:5K (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Informasi dari Narasumber | | Staf Administrasi | 2.11327 | O.H | | | |
| | | | | | | Koordinator Survei Toponimi | 4.22654 | O.H | | | |
| | | | | | | Surveyor Toponimi | 25.35926 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | | | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | | | | | |
| | | | | | | Kamera Digital | | | | | |
| | | | | | | Laptop | | | | | |
| | | | | | | Mobil | | | | | |
| | | | | | | Perekam Suara | | | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | A.9.4.3. | Pengumpulan | Data | NLP | Personil | | | | | |

| A.9. Survey Toponim | | | | | | | | |
|----------------------------|----------------|-------------|---|---|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Toponim dan Deskripsinya, Informasi dari Narasumber | | Ketua Tim | 2.11327 | O.H |
| | | | | | | Staf Administrasi | 2.11327 | O.H |
| | | | | | | Koordinator Survei Toponimi | 4.22654 | O.H |
| | | | | | | Surveyor Toponimi | 25.35926 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 33.81234 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 25.35926 | U.H |
| | | | | | | Kamera Digital | 25.35926 | U.H |
| | | | | | | Kapal | 25.35926 | U.H |
| | | | | | | Laptop | 33.81234 | U.H |
| | | | | | | Perekam Suara | 25.35926 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|--|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.9.4.3. | Pengumpulan Data Toponim Skala 1:5K (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | NLP | Personil | | |
| | | | | | | Ketua Tim | 3.16991 | O.H |
| | | | | | | Staf Administrasi | 3.16991 | O.H |
| | | | | | | Koordinator Survei Toponimi | 6.33981 | O.H |
| | | | | | | Surveyor Toponimi | 38.03888 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 50.71851 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 38.03888 | U.H |
| | | | | | | Kamera Digital | 38.03888 | U.H |
| | | | | | | Laptop | 12.67963 | U.H |
| | | | | | | Mobil | 38.03888 | U.H |
| | | | | | | Perekam Suara | 38.03888 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|--|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas rendah, kepadatan objek padat) | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.66667 | O.H |
| | | | | | | Staf Administrasi | 0.66667 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.33333 | O.H |
| | | | | | | Surveyor Toponimi | 8.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.66667 | U.H |
| | | | | | | Laptop | 10.66667 | U.H |
| | | | | | | Mobil | 8.00000 | U.H |
| | | | | | | Printer | 8.00000 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas sedang, kepadatan objek padat) | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.00000 | O.H |
| | | | | | | Surveyor Toponimi | 12.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 16.00000 | U.H |
| | | | | | | Laptop | 16.00000 | U.H |
| | | | | | | Mobil | 12.00000 | U.H |
| | | | | | | Printer | 12.00000 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan | Pengesahan | Dokumen | Personil | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas berat, kepadatan objek padat) | Formulir | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.00000 | O.H |
| | | | | | | Surveyor Toponimi | 12.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 16.00000 | U.H |
| | | | | | | Laptop | 16.00000 | U.H |
| | | | | | | Kapal | 12.00000 | U.H |
| | | | | | | Printer | 12.00000 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.50000 | O.H |

| A.9. Survey Toponim | | | | | | | | | |
|---------------------|---------|----------|---|---------------------|---------|---|-----------------------------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Survei Toponim (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat) | | | Staf Administrasi | 1.50000 | O.H | |
| | | | | | | | Koordinator Survei Toponimi | 3.00000 | O.H |
| | | | | | | | Surveyor Toponimi | 18.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 24.00000 | U.H |
| | | | | | | | Laptop | 24.00000 | U.H |
| | | | | | | | Mobil | 18.00000 | U.H |
| | | | | | | | Printer | 18.00000 | U.H |
| | | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei | Pengesahan Formulir | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 0.51282 | O.H | |
| | | | | | | Staf Administrasi | 0.51282 | O.H | |

| A.9. Survey Toponim | | | | | | | | | | | |
|---------------------|---------|----------|---|---------|--------|---|---------------------|---------|----------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Toponim (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang) | | | Koordinator Survei Toponimi | 1.02564 | O.H | | | |
| | | | | | | Surveyor Toponimi | 6.15385 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 8.20513 | U.H | | | |
| | | | | | | Laptop | 8.20513 | U.H | | | |
| | | | | | | Mobil | 6.15385 | U.H | | | |
| | | | | | | Printer | 6.15385 | U.H | | | |
| | | | | | | Paket Pertemuan | 1.00000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.9.4.4. | | | | Pengesahan Data Lapangan Survei Toponim (dengan | Pengesahan Formulir | Dokumen | Personil | | |
| | | | Ketua Tim | 0.76923 | O.H | | | | | | |
| | | | Staf Administrasi | 0.76923 | O.H | | | | | | |
| | | | Koordinator Survei | 1.53846 | O.H | | | | | | |

| A.9. Survey Toponim | | | | | | | | | | | |
|---------------------|---------|----------|---|---------|--------|---|---------------------|---------|----------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | kesulitan aksesibilitas sedang, kepadatan objek sedang) | | | Toponimi | | | | | |
| | | | | | | Surveyor Toponimi | 9.23077 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 12.30769 | U.H | | | |
| | | | | | | Laptop | 12.30769 | U.H | | | |
| | | | | | | Mobil | 9.23077 | U.H | | | |
| | | | | | | Printer | 9.23077 | U.H | | | |
| | | | | | | Paket Pertemuan | 1.00000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.9.4.4. | | | | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan | Pengesahan Formulir | Dokumen | Personil | | |
| | | | Ketua Tim | 0.76923 | O.H | | | | | | |
| | | | Staf Administrasi | 0.76923 | O.H | | | | | | |
| | | | Koordinator Survei Toponimi | 1.53846 | O.H | | | | | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas berat, kepadatan objek sedang) | | | Surveyor Toponimi | 9.23077 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.30769 | U.H |
| | | | | | | Laptop | 12.30769 | U.H |
| | | | | | | Kapal | 9.23077 | U.H |
| | | | | | | Printer | 9.23077 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas sangat berat, | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.15385 | O.H |
| | | | | | | Staf Administrasi | 1.15385 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.30769 | O.H |
| | | | | | | Surveyor Toponimi | 13.84615 | O.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kepadatan objek sedang) | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 18.46154 | U.H |
| | | | | | | Laptop | 18.46154 | U.H |
| | | | | | | Mobil | 13.84615 | U.H |
| | | | | | | Printer | 13.84615 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas rendah, kepadatan | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.39448 | O.H |
| | | | | | | Staf Administrasi | 0.39448 | O.H |
| | | | | | | Koordinator Survei Toponimi | 0.78895 | O.H |
| | | | | | | Surveyor Toponimi | 4.73373 | O.H |
| | | | | | | a) Jumlah | | |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|---|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek jarang) | | | Alat | | |
| | | | | | | Akomodasi | 6.31164 | U.H |
| | | | | | | Laptop | 6.31164 | U.H |
| | | | | | | Mobil | 4.73373 | U.H |
| | | | | | | Printer | 4.73373 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang) | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.59172 | O.H |
| | | | | | | Staf Administrasi | 0.59172 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.18343 | O.H |
| | | | | | | Surveyor Toponimi | 7.10059 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|--|---------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Akomodasi | 9.46746 | U.H |
| | | | | | | Laptop | 9.46746 | U.H |
| | | | | | | Mobil | 7.10059 | U.H |
| | | | | | | Printer | 7.10059 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas berat, kepadatan objek jarang) | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.59172 | O.H |
| | | | | | | Staf Administrasi | 0.59172 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.18343 | O.H |
| | | | | | | Surveyor Toponimi | 7.10059 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.46746 | U.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|---|---------------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 9.46746 | U.H |
| | | | | | | Kapal | 7.10059 | U.H |
| | | | | | | Printer | 7.10059 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.4.4. | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang) | Pengesahan Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.88757 | O.H |
| | | | | | | Staf Administrasi | 0.88757 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.77515 | O.H |
| | | | | | | Surveyor Toponimi | 10.65089 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 14.20118 | U.H |
| | | | | | | Laptop | 14.20118 | U.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|------------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Mobil | 10.65089 | U.H |
| | | | | | | Printer | 10.65089 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.1.2. | Demobilisasi Survei Toponimi | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.00000 | O.H |
| | | | | | | Surveyor Toponimi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket Transportasi | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|-----------|---------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.1.10. | Pelaporan Survei Toponimi | Laporan Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|-------------------------|----------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.9.5. | Pengolahan Data Toponim | A.9.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim | 0.16667 | O.H |
| | | | | | | Operator Pengolahan Data Toponim | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|-----------------------------------|--|-------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.5.3. | Editing Data Hasil Lapangan | Geodatabase Data Toponim (Data toponim tereposisi ke objek, Foto yang ter- attach ke objek) | Geodatabase | Personil | | |
| | | | | | | Ketua Tim | 0.66667 | O.H |
| | | | | | | Staf Administrasi | 0.66667 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim | 1.33333 | O.H |
| | | | | | | Operator Pengolahan Data Toponim | 8.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.33333 | U.H. |
| | | | | | | PC Workstation | 9.33333 | U.H. |
| | | | | | | Software GIS | 9.33333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| A.9. | | Survey Toponim | | | | | | |
|------|---------|----------------|----------------------------|------------------------|-------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.5.4. | Rekapitulasi Data Lapangan | Data dalam Geodatabase | Geodatabase | Personil | | |
| | | | | | | Ketua Tim | 0.41667 | O.H |
| | | | | | | Staf Administrasi | 0.41667 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim | 0.83333 | O.H |
| | | | | | | Operator Pengolahan Data Toponim | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.83333 | U.H. |
| | | | | | | PC Workstation | 5.83333 | U.H. |
| | | | | | | Software GIS | 5.83333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|-------------|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | (a+b+c) | | |
| | | A.9.5.5. | Pelaporan | Laporan Pengolahan Data Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---|---|-----------------------------|------------------------------------|---------------------------------|----------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.9.6. | Verifikasi Data Toponim Tingkat Kabupaten/ Kota | A.9.6.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Validasi | 0.16667 | O.H |
| | | | | | | Operator Validasi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Printer | 1.00000 | U.H. |
| | | Scanner | 1.00000 | U.H. | | | | |
| | | Software GIS | 1.16667 | U.H. | | | | |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | A.9.6.2. | Verifikasi | | Data yang telah terverifikasi , | Wilayah Administrasi | Personil | |
| Ketua Tim | 0.58333 | | | | | | O.H | |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|---------|----------|-------------|--------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Berita Acara | | Staf Administrasi | 0.58333 | O.H |
| | | | | | | Koordinator Validasi | 1.16667 | O.H |
| | | | | | | Operator Validasi | 7.00000 | O.H |
| | | | | | | Honor Narasumber (ahli sejarah, ahli bahasa, geografi,dll) | 3.00000 | O.H |
| | | | | | | Honor Rapat | 3.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.33333 | U.H |
| | | | | | | Paket Pertemuan | 1.00000 | U.H |
| | | | | | | Printer | 7.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.9.6.3. | Pelaporan | Laporan Pengolahan Data Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |

| A.9. Survey Toponim | | | | | | | | |
|---------------------|-----------|----------|-------------------|-------------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Toponimi | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Validasi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.9.7. | Pelaporan | A.9.7.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.9. | | Survey Toponim | | | | | | |
|--|---------|----------------|-------------|--------|--------|--------------------|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3.00000 | Rangkap |
| | | | | | | Tinta Printer | 1.00000 | Paket |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

Analisis Biaya Keluaran Kegiatan

d. Perapatan Pengukuran Ground Control Point (GCP) Dan Independent Control Point (ICP) Untuk Orthorektifikasi Citra Satelit Resolusi Sangat Tinggi

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Perapatan Pengukuran Ground Control Point (GCP) Dan Independent Control Point (ICP) Untuk Orthorektifikasi Citra Satelit Resolusi Sangat Tinggi dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Perapatan Pengukuran Ground Control Point (GCP) Dan Independent Control Point (ICP) Untuk Orthorektifikasi Citra Satelit Resolusi Sangat Tinggi:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Tutupan Lahan Vegetasi

Lebat : Tutupan lahan vegetasi mencakup >40% blok pekerjaan

Tidak Lebat : Tutupan lahan vegetasi mencakup <40% blok pekerjaan

3. Kualitas Citra Satelit

Kualitas citra satelit dikategorikan berdasarkan tutupan awan yang menutupi blok pekerjaan.

Berawan : Tutupan awan mencover >40% blok pekerjaan

Tidak Berawan : Tutupan Awan mencover <40% blok pekerjaan

4. Kesulitan Aksesibilitas

Ringan : Lokasi di dalam wilayah perkotaan, selain 11 kota macet, dengan fasilitas transportasi kendaraan roda 4 ataupun roda 2 dan ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut. Rata-rata waktu tempuh yang diperlukan untuk mencapai lokasi tersebut adalah < 1 jam.

Wilayah perkotaan: semua wilayah administrasi kota, ibukota kabupaten dan ibukota provinsi.

Sebelas (11) kota macet: DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah 11 kota macet dan/ atau lokasi di luar wilayah perkotaan non pedalaman dengan fasilitas transportasi kendaraan roda 4 ataupun roda 2 dan ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut. Rata-rata waktu tempuh yang diperlukan untuk mencapai lokasi tersebut adalah 1-2 jam.

Berat : wilayah pedalaman dengan tingkat aksesibilitas berat dengan moda transportasi darat dan/ atau air (menggunakan kapal, baik kapal kecil maupun kapal besar). Rata-rata waktu tempuh yang diperlukan untuk mencapai lokasi tersebut adalah >2 - 4 jam. Contohnya seperti daerah-daerah di Kalimantan atau pulau-

pulau kecil misalnya di Kep.Riau.

Sangat berat : wilayah pedalaman dengan tingkat aksesibilitas sangat berat dengan moda transportasi darat dan/ atau air yang kemudian perjalanan mayoritas dilanjutkan dengan jalan kaki. Rata-rata waktu tempuh yang diperlukan untuk mencapai lokasi tersebut adalah >4 jam.

Khusus : wilayah pedalaman dengan moda transportasi darat dan/ atau udara sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil.

Tabel berikut menunjukkan besaran koefisien pada Perapatan Pengukuran Ground Control Point (GCP) Dan Independent Control Point (ICP) Untuk Orthorektifikasi Citra Satelit Resolusi Sangat Tinggi

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------------|-----------|----|-----------------------------|--|---------------|---------------------------------------|------------------------------|---------|----------------------------|-----------|--------|
| 1 | Persiapan | 1 | Penyiapan alat dan personil | UU No. 4 Tahun 2011 UU No. 21 tahun 2013 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun | | Dokumen pemeriksaan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 4.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 4.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 4.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 8.0000000 | UH |
| | | | | | | | | | PC Workstation | 4.0000000 | UH |
| | | | | | | | | | Printer | 4.0000000 | UH |
| Scanner A4 | 4.0000000 | UH | | | | | | | | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|---|---------------|-----------------------|------------------------------|---------|---|-----------|--------|
| | | | | 2014 Perka BIG No. 14 Tahun 2013 SNI Tentang Ketelitian Peta SOP KAK | | | | | GIS Software | 4.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Harddisk (HD) 2 TB | 2.0000000 | Buah |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. | | Dokumen Rencana Detil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 2.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.0000000 | UH |
| | | | | | | | | | PC Workstation | 2.0000000 | UH |
| | | | | | | | | | Plotter A0 | 2.0000000 | UH |
| | | | | | | | | | Printer | 2.0000000 | UH |
| | | | | | | | | | Scanner A4 | 2.0000000 | UH |
| | | | | | | | | | GIS Software | 2.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---------------------|--|---------------|-----------------|-------------------|---------|---|-----------|--------|
| | | | | 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A0 | 2.0000000 | lembar |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | Tinta Plotter A0 | 0.0004000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 3 | Pelaporan Persiapan | UU No. 4 Tahun 2011 UU No. 21 tahun 2013 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. | | Dokumen laporan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.0000000 | UH |
| | | | | | | | | | Printer | 2.0000000 | UH |
| | | | | | | | | | Scanner A4 | 2.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | | | c) Jumlah | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|---------------|--------------------------|-----|--|--|---------------|------------------------------------|------------------------------|---------|---|-----------|--------|
| | | | | 14 Tahun 2013 SNI Tentang Ketelitian Peta SOP KAK | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| 2 | Persiapan Pengukuran GCP | 1 | Persiapan Alat dan Personil Persiapan Pengukuran GCP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2500000 | OH |
| | | | | | | | | | Staf Administrasi | 0.2500000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.2500000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.5000000 | UH |
| | | | | | | | | | PC Workstation | 0.2500000 | UH |
| | | | | | | | | | Printer | 0.2500000 | UH |
| | | | | | | | | | Scanner A4 | 0.2500000 | UH |
| | | | | | | | | | GIS Software | 0.2500000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| ATK | 1.0000000 | Set | | | | | | | | | |
| Kertas HVS A4 | 0.0200000 | Rim | | | | | | | | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|---|---------------|--|-------------------|--------|---|-----------|--------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 2 | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan lahan vegetasi lebat, kualitas citra tidak berawan) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | Rencana Distribusi GCP dan ICP dan AOI titik GCP/ICP | cetak dan digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0416667 | OH |
| | | | | | | | | | Staf Administrasi | 0.0416667 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0416667 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.1666667 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.0833333 | UH |
| | | | | | | | | | PC Workstation | 0.2083333 | UH |
| | | | | | | | | | GIS Software | 0.2083333 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|---|---------------|--|-------------------|--------|-------------------------------|-----------|--------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Tahapan (a+b+c) | | |
| | | 2 | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan lahan vegetasi tidak lebat, kualitas citra tidak berawan) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | Rencana Distribusi GCP dan ICP dan AOI titik GCP/ICP | cetak dan digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0125000 | OH |
| | | | | | | | | | Staf Administrasi | 0.0125000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0125000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.0500000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.0250000 | UH |
| | | | | | | | | | PC Workstation | 0.0625000 | UH |
| | | | | | | | | | GIS Software | 0.0625000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|---|---------------|--|-------------------|--------|-------------------------------|-----------|--------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Tahapan (a+b+c) | | |
| | | 2 | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan lahan vegetasi tidak lebat, kualitas citra berawan) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | Rencana Distribusi GCP dan ICP dan AOI titik GCP/ICP | cetak dan digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0416667 | OH |
| | | | | | | | | | Staf Administrasi | 0.0416667 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0416667 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.1666667 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.0833333 | UH |
| | | | | | | | | | PC Workstation | 0.2083333 | UH |
| | | | | | | | | | GIS Software | 0.2083333 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|--|---------------|-----------------------|------------------------------|---------|----------------------------|-----------|--------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Tahapan (a+b+c) | | |
| | | 3 | Pembuatan Rencana Detil Pengukuran GCP/ICP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 | | Dokumen Rencana Detil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 2.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.0000000 | UH |
| | | | | | | | | | PC Workstation | 2.0000000 | UH |
| | | | | | | | | | Plotter A0 | 2.0000000 | UH |
| | | | | | | | | | Printer | 2.0000000 | UH |
| | | | | | | | | | Scanner A4 | 2.0000000 | UH |
| | | | | | | | | | GIS Software | 2.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A0 | 2.0000000 | lembar |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|------------------------------------|--|---------------|------------------------|-------------------|---------|---|-----------|--------|
| | | | | SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | Tinta Plotter A0 | 0.0004000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pelaporan Persiapan Pengukuran GCP | KAK | | Laporan Pengukuran GCP | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 2.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.0000000 | UH |
| | | | | | | | | | PC Workstation | 2.0000000 | UH |
| | | | | | | | | | Printer | 2.0000000 | UH |
| | | | | | | | | | Scanner A4 | 2.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0200000 | Paket |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|----------------|----|--|--|---------------|------------------------------------|------------------------------|---------|--|-----------|--------|
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| 3 | Pengukuran GCP | 1 | Persiapan Alat dan Personil Pengukuran GCP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian | | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2500000 | OH |
| | | | | | | | | | Staf Administrasi | 0.2500000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.2500000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 1.0000000 | UH |
| | | | | | | | | | Kamera Digital | 1.0000000 | UH |
| | | | | | | | | | Kompas Digital | 1.0000000 | UH |
| | | | | | | | | | Sewa Mobil | 1.0000000 | UH |
| | | | | | | | | | Printer | 1.0000000 | UH |
| | | | | | | | | | Scanner A4 | 1.0000000 | UH |
| | | | | | | | | | GIS Software | 1.2500000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|------------------------------|---|---------------|-------------------------------|--------|---------|---|------------|--------|
| | | | | n Peta 25, 50, 250 SOP KAK | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 2 | Mobilisasi Pengukuran GCP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian | | Berita acara mobilisasi | | Dokumen | Personil | | |
| | | | | | | | | | Koordinator Pengukuran GCP | 1.0000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Sewa Mobil | 2.0000000 | UH |
| | | | | | | | | | Tiket | 17.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|------------------------------------|---|---------------|-------------|------------------------------|---------|---|-----------|--------|
| | | | | n Peta 25, 50, 250 SOP KAK | | | | | | | |
| | | 3 | Koordinasi dengan instansi terkait | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian | | Ijin survey | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.2500000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Sewa Mobil | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|---|---------------|---|-------------------------|--------|--|-----------|--------|
| | | | | n Peta 25, 50, 250 SOP KAK | | | | | | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas rendah, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang | | Raw+Rinex data hasil pengukuran, foto dokumen sai, logsheet pengukuran | cetak dan digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0625000 | OH |
| | | | | | | | | | Staf Administrasi | 0.0625000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0625000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.2500000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.2500000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.5625000 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.2500000 | UH |
| | | | | | | | | | Kamera Digital | 0.2500000 | UH |
| | | | | | | | | | Kompas Digital | 0.2500000 | UH |
| | | | | | | | | | Laptop | 0.4375000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.2500000 | UH |
| | | | | | | | | | Sewa Mobil | 0.2500000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|--|---------------|--|---------|--------|--|-----------|--------|
| | | | | Penyajian Peta 25, 50, 250 SOP KAK | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0892857 | OH |
| | | | | | | | | | Staf Administrasi | 0.0892857 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0892857 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.3571429 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.3571429 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.8035714 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.3571429 | UH |
| | | | | | | | | | Kamera Digital | 0.3571429 | UH |
| | | | | | | | | | Kompas Digital | 0.3571429 | UH |
| | | | | | | | | | Laptop | 0.6250000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | UH |
| | | | | | | | | | Sewa Mobil | 0.3571429 | UH |
| | | | | | | | | | b) Jumlah | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|---|---------------|--|---------|--------|--|-----------|--------|
| | | | | Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas berat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.1250000 | OH |
| | | | | | | | | | Staf Administrasi | 0.1250000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.1250000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.5000000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.5000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.1250000 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.5000000 | UH |
| | | | | | | | | | Kamera Digital | 0.5000000 | UH |
| | | | | | | | | | Sewa Speed Boat | 0.5000000 | UH |
| | | | | | | | | | Kompas Digital | 0.5000000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | UH |
| | | | | | | | | | Laptop | 0.8750000 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|--|---------------|--|---------|--------|--|-----------|--------|
| | | | | n Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2500000 | OH |
| | | | | | | | | | Staf Administrasi | 0.2500000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.2500000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.2500000 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 1.0000000 | UH |
| | | | | | | | | | Kamera Digital | 1.0000000 | UH |
| | | | | | | | | | Kompas Digital | 1.0000000 | UH |
| | | | | | | | | | Laptop | 1.7500000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|--|---------------|--|---------|--------|--|-----------|--------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Sewa Mobil | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 3 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas khusus, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2500000 | OH |
| | | | | | | | | | Staf Administrasi | 0.2500000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.2500000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.2500000 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 1.0000000 | UH |
| | | | | | | | | | Helikopter | 1.0000000 | UJ |
| | | | | | | | | | Kamera Digital | 1.0000000 | UH |
| | | | | | | | | | Kompas Digital | 1.0000000 | UH |
| | | | | | | | | | Laptop | 1.7500000 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|--|---------------|--|---------|--------|--|-----------|--------|
| | | | | Tentang Ketelitian Peta SNI | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | UH |
| | | | | Tentang Penyajian Peta 25, 50, 250 | | | | | Sewa Mobil | 1.0000000 | UH |
| | | | | SOP KAK | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas rendah, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0892857 | OH |
| | | | | | | | | | Staf Administrasi | 0.0892857 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0892857 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.3571429 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.3571429 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.4464286 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.3571429 | UH |
| | | | | | | | | | Kamera Digital | 0.3571429 | UH |
| | | | | | | | | | Kompas Digital | 0.3571429 | UH |
| | | | | | | | | | Laptop | 0.6250000 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|---|---------------|--|---------|--------|--|-----------|--------|
| | | | | SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | UH |
| | | | | | | | | | Sewa Mobil | 0.3571429 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.1275510 | OH |
| | | | | | | | | | Staf Administrasi | 0.1275510 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.1275510 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.5102041 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.5102041 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.6377551 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.5102041 | UH |
| | | | | | | | | | Kamera Digital | 0.5102041 | UH |
| | | | | | | | | | Kompas Digital | 0.5102041 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--|---|---------------|--|---------|--------|--|-----------|--------|
| | | | | 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Laptop | 0.8928571 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.5102041 | UH |
| | | | | | | | | | Sewa Mobil | 0.5102041 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas berat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.1785714 | OH |
| | | | | | | | | | Staf Administrasi | 0.1785714 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.1785714 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.7142857 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 0.7142857 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.8928571 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 0.7142857 | UH |
| | | | | | | | | | Kamera Digital | 0.7142857 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|---|---------------|--|---------|--------|--|-----------|--------|
| | | | | 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Sewa Speed Boat | 0.7142857 | UH |
| | | | | | | | | | Kompas Digital | 0.7142857 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.7142857 | UH |
| | | | | | | | | | Laptop | 1.2500000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.3571429 | OH |
| | | | | | | | | | Staf Administrasi | 0.3571429 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.3571429 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.4285714 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.4285714 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.7857143 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, Dual Frequency | 1.4285714 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---|---|---------------|--|---------|--------|---|-----------|--------|
| | | | | BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Kamera Digital | 1.4285714 | UH |
| | | | | | | | | | Kompas Digital | 1.4285714 | UH |
| | | | | | | | | | Laptop | 2.5000000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 1.4285714 | UH |
| | | | | | | | | | Sewa Mobil | 1.4285714 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 4 | Pengukuran GCP/ICP (dengan kesulitan aksesibilitas khusus, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 | | Raw+Rinex data hasil pengukuran, foto dokumentasi, logsheet pengukuran | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.3571429 | OH |
| | | | | | | | | | Staf Administrasi | 0.3571429 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.3571429 | OH |
| | | | | | | | | | Surveyor Pengukuran | 1.4285714 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.4285714 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.7857143 | UH |
| | | | | | | | | | GNSS Receiver dan Kelengkapannya, | 1.4285714 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|------------------------------------|---|---------------|-----------------------|---------|--------|---|-----------|--------|
| | | | | Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Dual Frequency | | |
| | | | | | | | | | Helikopter | 1.4285714 | UJ |
| | | | | | | | | | Kamera Digital | 1.4285714 | UH |
| | | | | | | | | | Kompas Digital | 1.4285714 | UH |
| | | | | | | | | | Laptop | 2.5000000 | UH |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 1.4285714 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 5 | Pengolahan Data Pengukuran GCP/ICP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun | | Koordinat GCP dan ICP | digital | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0089286 | OH |
| | | | | | | | | | Staf Administrasi | 0.0089286 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0089286 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.0357143 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.0446429 | UH |
| | | | | | | | | | Laptop | 0.0625000 | UH |
| | | | | | | | | | GNSS Processing Software | 0.0446429 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|---------------------------------|--|---------------|-----------------------|---------------|--------|---|-----------|--------|
| | | | | 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 6 | Pembuatan deskripsi ICP dan ICP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 | | Deskripsi GCP dan ICP | digital (pdf) | Titik | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0089286 | OH |
| | | | | | | | | | Staf Administrasi | 0.0089286 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 0.0089286 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.0357143 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.0446429 | UH |
| | | | | | | | | | Laptop | 0.0625000 | UH |
| | | | | | | | | | b) Jumlah | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|-----------------------------|--|---------------|-------------------------|--------|---------|---|------------|--------|
| | | | | Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 7 | Demobilisasi Pengukuran GCP | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. | | Berita acara mobilisasi | | Dokumen | Personil | | |
| | | | | | | | | | Koordinator Pengukuran GCP | 1.0000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 4.0000000 | OH |
| | | | | | | | | | Asisten Surveyor Pengukuran | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Sewa Mobil | 2.0000000 | UH |
| | | | | | | | | | Tiket | 17.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|--------------------------|---|---------------|------------------------|-------------------|---------|---|-----------|--------|
| | | | | 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | 8 | Pelaporan Pengukuran GCP | KAK | | Laporan Pengukuran GCP | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 2.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.0000000 | UH |
| | | | | | | | | | PC Workstation | 2.0000000 | UH |
| | | | | | | | | | Printer | 2.0000000 | UH |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---|----|-------------------|--|---------------|-------------------|-------------------|---------|---|------------|---------|
| | | | | | | | | | Scanner A4 | 2.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| 3 | Pelaporan Penyelenggaraan Citra Tegak Resolusi Tinggi | 1 | Kompilasi Laporan | UU No. 4 Tahun 2011 UU No. 21 tahun 2013 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 | | Kompilasi Laporan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 5.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 5.0000000 | OH |
| | | | | | | | | | Koordinator Pengukuran GCP | 5.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 10.0000000 | UH |
| | | | | | | | | | PC Workstation | 5.0000000 | UH |
| | | | | | | | | | Printer | 5.0000000 | UH |
| | | | | | | | | | Scanner A4 | 5.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | | | Kertas HVS A4 | 2.0000000 | Rim |
| | | | | | | | | | Jilid Album A4 | 3.0000000 | Rangkep |

| No | Tahapan | No | Sub Tahapan | Metode | Metode Teknis | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|----|---------|----|-------------|--|---------------|--------|--------|--------|---|-----------|--------|
| | | | | Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Tinta Printer | 1.0000000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisa Biaya Keluaran Kegiatan

**e. Penegasan Batas Wilayah Administrasi Desa
Secara Kartometrik**

BADAN INFORMASI
GEOSPASIAL

Tabel berikut menunjukkan besaran koefisien pada Penegasan Batas Wilayah Administrasi Desa Secara Kartometrik:

| B4. Penegasan Batas Desa-Kelurahan | | | | | | | | | |
|------------------------------------|-----------|---|--|---------|---------|----------------------------------|----------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| B.4.1 | Persiapan | B.4.1.1. | Pembuatan Rencana Detail Kegiatan Penegasan Batas Desa-Kelurahan | Dokumen | Dokumen | Daftar Personil | | | |
| | | | | | | Ketua Tim | 0.0017000 | OH | |
| | | | | | | Staff Administrasi | 0.0017000 | OH | |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Daftar Alat | | | |
| | | | | | | Mobil | 0.0100000 | UH | |
| | | | | | | Laptop | 0.0134000 | UH | |
| | | | | | | Kamera Digital Geotagging | 0.0100000 | UH | |
| | | | | | | Printer | 0.0100000 | UH | |
| | | b) Jumlah | | | | | | | |
| | | Daftar Bahan | | | | | | | |
| | | Kertas HVS A4 | 0.2000000 | rim | | | | | |
| | | Tinta Printer | 0.0200000 | set | | | | | |
| | | c) Jumlah | | | | | | | |
| | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | B.4.1.2. | Penyiapan Alat dan Personil Penegasan Batas Desa-Kelurahan | Dokumen | Dokumen | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0017000 | OH |
| | | | | | | | Staff Administrasi | 0.0017000 | OH |
| | | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| a) Jumlah | | | | | | | | | |

| | | | | | | | | |
|---|--|---------------------|---|---------|---------|---|-----------|-----|
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.0134000 | UH |
| | | | | | | Printer | 0.0100000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.2000000 | rim |
| | | | | | | Tinta Printer | 0.0200000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0017000 | OH |
| | | | | | | Staff Administrasi | 0.0017000 | OH |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | | a) Jumlah | | |
| Daftar Alat | | | | | | | | |
| Laptop | 0.0134000 | UH | | | | | | |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| B.4.1.3. | Pelaporan Persiapan Penegasan Batas Desa-Kelurahan | Laporan Pendahuluan | Dokumen | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0017000 | OH |
| | | | | | | Staff Administrasi | 0.0017000 | OH |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.0134000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.2 | Pembuatan Draft Peta Kerja | B.4.2.1. | Penyiapan Alat dan Personil Pembuatan Draft Peta Kerja Penegasan Batas Desa-Kelurahan | Dokumen | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0017000 | OH |
| | | | | | | Staff Administrasi | 0.0017000 | OH |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.0300000 | UH |
| | | | | | | Printer | 0.0100000 | UH |
| | | | | | | b) Jumlah | | |

| | | | | <table border="1"> <thead> <tr> <th colspan="3">Daftar Bahan</th> </tr> </thead> <tbody> <tr> <td>Kertas HVS A4</td> <td>0.2000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.0200000</td> <td>set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </tbody> </table> | Daftar Bahan | | | Kertas HVS A4 | 0.2000000 | rim | Tinta Printer | 0.0200000 | set | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------|---------|--|-----------------|--|--|---------------------|-----------|-----|--------------------|-----------|-----|----------------------------------|-----------|----|---|-----------|----|------------------|--|--|-------------|--|--|----------------|-----------|----|--------|-----------|----|--------------|-----------|----|---------------------------|-----------|----|---------|-----------|----|------------------|--|--|--------------|--|--|---------------|-----------|--------|---------------|-----------|-----|------------------|--|--|---|--|--|
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 0.2000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.0200000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.2.2. | Pembuatan Draft Peta Kerja Penegasan Batas Desa-Kelurahan | Draft Peta Kerja | Desa | <table border="1"> <thead> <tr> <th colspan="3">Daftar Personil</th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0566667</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0566667</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.3333333</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>0.3333333</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th colspan="3">Daftar Alat</th> </tr> <tr> <td>Workstation PC</td> <td>0.3333333</td> <td>UH</td> </tr> <tr> <td>Laptop</td> <td>0.7233333</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>0.6666667</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.3333333</td> <td>UH</td> </tr> <tr> <td>Plotter</td> <td>0.3333333</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <th colspan="3">Daftar Bahan</th> </tr> <tr> <td>Kertas HVS A0</td> <td>1.0000000</td> <td>Lembar</td> </tr> <tr> <td>Tinta Plotter</td> <td>0.0200000</td> <td>set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </tbody> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0566667 | OH | Staff Administrasi | 0.0566667 | OH | Koordinator Penegasan Batas Desa | 0.3333333 | OH | Operator GIS dan Kartografi | 0.3333333 | OH | a) Jumlah | | | Daftar Alat | | | Workstation PC | 0.3333333 | UH | Laptop | 0.7233333 | UH | Software GIS | 0.6666667 | UH | Kamera Digital Geotagging | 0.3333333 | UH | Plotter | 0.3333333 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A0 | 1.0000000 | Lembar | Tinta Plotter | 0.0200000 | set | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0566667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0566667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 0.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Workstation PC | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.7233333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.6666667 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A0 | 1.0000000 | Lembar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.0200000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.2.3. | Pelaporan Pembuatan Draft Peta Kerja Penegasan Batas Desa-Kelurahan | Laporan Progress | Dokumen | <table border="1"> <thead> <tr> <th colspan="3">Daftar Personil</th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0017000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0017000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0100000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th colspan="3">Daftar Alat</th> </tr> </tbody> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0017000 | OH | Staff Administrasi | 0.0017000 | OH | Koordinator Penegasan Batas Desa | 0.0100000 | OH | a) Jumlah | | | Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0017000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0017000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0100000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|---|-----------|---|-------------------------|---|------------------------|----|
| | | | | | Laptop | 0.0300000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.3 | Temu Kerja dan Sosialisasi Penegasan Batas Desa-Kelurahan | B.4.3.1. | Penyiapan Alat dan Personil Temu Kerja dan Sosialisasi Penegasan Batas Desa-Kelurahan | Dokumen | Dokumen | Daftar Personil | |
| Ketua Tim Pelaksana | | | | | | 0.0034000 | OH |
| Staff Administrasi | | | | | | 0.0034000 | OH |
| Koordinator Penegasan Batas Desa | | | | | | 0.0200000 | OH |
| a) Jumlah | | | | | | | |
| Daftar Alat | | | | | | | |
| Laptop | | | | | | 0.0600000 | UH |
| Printer | | 0.0200000 | UH | | | | |
| b) Jumlah | | | | | | | |
| Daftar Bahan | | | | | | | |
| Kertas HVS A4 | | 0.2000000 | rim | | | | |
| Tinta Printer | | 0.0200000 | set | | | | |
| c) Jumlah | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | B.4.3.2. | Mobilisasi | Berita Acara Mobilisasi | Dokumen | Daftar Personil | |
| Ketua Tim Pelaksana | | | | | | 0.1700000 | OH |
| Staff Administrasi | | | | | | 0.1700000 | OH |
| Koordinator Penegasan Batas Desa | 1.0000000 | | | | | OH | |
| Operator Penegasan Batas Desa | 1.0000000 | | | | | OH | |
| Operator GIS dan Kartografi | 1.0000000 | | | | | OH | |
| a) Jumlah | | | | | | | |
| Daftar Alat | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|---------|---------|---|------------------------|-----------|----|-----------------------|-----------|----|-----------------------------|-----------|----|----------------------------------|-----------|----|-------------------------------|-----------|----|-----------------------------|-----------|----|------------------|--|--|---|--|--|--------|-----------|----|-----------|-----------|----|-----------------|-----------|----|---------|-----------|----|--------------|-----------|----|---------------------------|-----------|----|------------------|--|--|---------------------|--|--|---------------|-----------|-----|---------------|-----------|-----|------------------|--|--|-----------------------------|--|--|
| | | | | <table border="1"> <tr> <td>Tiket Transportasi</td> <td>3.3400000</td> <td>UH</td> </tr> <tr> <td>Mobil Base ke Bandara</td> <td>3.3400000</td> <td>UH</td> </tr> <tr> <td>Mobil Bandara ke Penginapan</td> <td>3.3400000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Daftar Bahan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Tiket Transportasi | 3.3400000 | UH | Mobil Base ke Bandara | 3.3400000 | UH | Mobil Bandara ke Penginapan | 3.3400000 | UH | b) Jumlah | | | Daftar Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tiket Transportasi | 3.3400000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil Base ke Bandara | 3.3400000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil Bandara ke Penginapan | 3.3400000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.3. | Koordinasi Pelaksanaan Temu Kerja | Dokumen | Dokumen | <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0034000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0034000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.0600000</td> <td>UH</td> </tr> <tr> <td>Akomodasi</td> <td>0.0600000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>0.0200000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>0.0200000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>0.0200000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.0200000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Daftar Bahan</td> <td></td> <td></td> </tr> <tr> <td>Kertas HVS A4</td> <td>0.2000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.0200000</td> <td>set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0034000 | OH | Staff Administrasi | 0.0034000 | OH | Koordinator Penegasan Batas Desa | 0.0200000 | OH | Operator Penegasan Batas Desa | 0.0200000 | OH | Operator GIS dan Kartografi | 0.0200000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.0600000 | UH | Akomodasi | 0.0600000 | UH | Mobil di lokasi | 0.0200000 | UH | Printer | 0.0200000 | UH | Software GIS | 0.0200000 | UH | Kamera Digital Geotagging | 0.0200000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 0.2000000 | rim | Tinta Printer | 0.0200000 | set | c) Jumlah | | | d) Standar Biaya Sub | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0034000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0034000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.0600000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 0.0600000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 0.0200000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 0.0200000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.0200000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.0200000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 0.2000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.0200000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|----------------------------------|---------|----------------------------------|------------|-----|
| | | | | Tahapan (a+b+c) | | |
| B.4.3.4. a | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan ≤ 10 | Dokumen Penyampaian di Kabupaten | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | Peserta dari Kabupaten | 10.0000000 | OH |
| | | | | Peserta dari Kecamatan | 10.0000000 | OH |
| | | | | Tenaga Lokal | 2.0000000 | OH |
| | | | | Koordinator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | Operator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | Operator GIS dan Kartografi | 1.0000000 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 3.0000000 | UH |
| | | | | Proyektor | 1.0000000 | UH |
| | | | | Printer | 1.0000000 | UH |
| | | | | Software GIS | 2.0000000 | UH |
| | | | | Akomodasi | 3.0000000 | UH |
| | | | | Mobil di lokasi | 2.0000000 | UH |
| | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Kertas HVS A4 | 1.0000000 | rim |
| Tinta Printer | 0.1000000 | set | | | | |
| Seminar Kit | 20.0000000 | set | | | | |
| Paket Pertemuan | 20.0000000 | UH | | | | |
| c) Jumlah | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| B.4.3.4. b | Penyampaian rencana kerja | Dokumen Penyampaian | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 1.0000000 | OH |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|----------------|--|--|------------------------|-----------|----|------------------------------|------------|----|------------------------|------------|----|------------------------------|------------|----|----------------------------------|-----------|----|-------------------------------|-----------|----|-----------------------------|-----------|----|------------------|--|--|--------------------|--|--|--------|-----------|----|-----------|-----------|----|---------|-----------|----|--------------|-----------|----|-----------|-----------|----|-----------------|-----------|----|---------------------------|-----------|----|------------------|--|--|---------------------|--|--|---------------|-----------|-----|---------------|-----------|-----|-------------|------------|-----|-----------------|------------|----|------------------|--|--|---|--|--|------------------------|--|--|---------------------|-----------|----|--------------------|-----------|----|------------------------------|------------|----|
| | | Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 11 - 20 | n di Kabupaten | | <table border="1"> <tr><td>Staff Administrasi</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Peserta Temu Kerja Kabupaten</td><td>10.0000000</td><td>OH</td></tr> <tr><td>Peserta dari Kecamatan</td><td>20.0000000</td><td>OH</td></tr> <tr><td>Tenaga Lokal</td><td>2.0000000</td><td>OH</td></tr> <tr><td>Koordinator Penegasan Batas Desa</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Operator Penegasan Batas Desa</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Operator GIS dan Kartografi</td><td>1.0000000</td><td>OH</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td colspan="3">Daftar Alat</td></tr> <tr><td>Laptop</td><td>3.0000000</td><td>UH</td></tr> <tr><td>Proyektor</td><td>1.0000000</td><td>UH</td></tr> <tr><td>Printer</td><td>1.0000000</td><td>UH</td></tr> <tr><td>Software GIS</td><td>2.0000000</td><td>UH</td></tr> <tr><td>Akomodasi</td><td>3.0000000</td><td>UH</td></tr> <tr><td>Mobil di lokasi</td><td>2.0000000</td><td>UH</td></tr> <tr><td>Kamera Digital Geotagging</td><td>1.0000000</td><td>UH</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td colspan="3">Daftar Bahan</td></tr> <tr><td>Kertas HVS A4</td><td>1.0000000</td><td>rim</td></tr> <tr><td>Tinta Printer</td><td>0.1000000</td><td>set</td></tr> <tr><td>Seminar Kit</td><td>30.0000000</td><td>set</td></tr> <tr><td>Paket Pertemuan</td><td>30.0000000</td><td>UH</td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td></tr> <tr><td colspan="3">Daftar Personil</td></tr> <tr><td>Ketua Tim Pelaksana</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Staff Administrasi</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Peserta Temu Kerja Kabupaten</td><td>10.0000000</td><td>OH</td></tr> </table> | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 20.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi | 1.0000000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 30.0000000 | set | Paket Pertemuan | 30.0000000 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 20.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 30.0000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 30.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4.c | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten | Dokumen Penyampaian di Kabupaten | Dokumen | | <table border="1"> <tr><td colspan="3">Daftar Personil</td></tr> <tr><td>Ketua Tim Pelaksana</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Staff Administrasi</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Peserta Temu Kerja Kabupaten</td><td>10.0000000</td><td>OH</td></tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|--|----------------------------------|---------|---|--|------------------------|------------|---------------------|--------------|-----------|--------------------|----------------------------------|-----------|------------------------------|-------------------------------|-----------|------------------------|-------------------------------|-----------|--------------|------------------|----|--|--------------------|--|--|--------|-----------|----|-----------|-----------|----|---------|-----------|----|--------------|-----------|----|-----------|-----------|----|-----------------|-----------|----|---------------------------|-----------|----|------------------|--|--|---------------------|--|--|---------------|-----------|-----|---------------|-----------|-----|-------------|------------|-----|-----------------|------------|----|------------------|--|--|---|--|--|
| | | jumlah Kecamatan 21 - 30 | | | <table border="1"> <tr> <td>Peserta dari Kecamatan</td> <td>30.0000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi 2</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Proyektor</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Akomodasi</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kertas HVS A4</td> <td>1.0000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.1000000</td> <td>set</td> </tr> <tr> <td>Seminar Kit</td> <td>40.0000000</td> <td>set</td> </tr> <tr> <td>Paket Pertemuan</td> <td>40.0000000</td> <td>UH</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Peserta dari Kecamatan | 30.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi 2 | 1.0000000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 40.0000000 | set | Paket Pertemuan | 40.0000000 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| Peserta dari Kecamatan | 30.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi 2 | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 40.0000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 40.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4. d | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 31 - 40 | Dokumen Penyampaian di Kabupaten | Dokumen | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta Temu Kerja Kabupaten</td> <td>10.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta dari Kecamatan</td> <td>40.0000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 40.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 40.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------|--|----------------------------------|---------|--|---|------------|-----|
| | | | | | Koordinator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | | Operator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | | Operator GIS dan Kartografi 2 | 1.0000000 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 3.0000000 | UH |
| | | | | | Proyektor | 1.0000000 | UH |
| | | | | | Printer | 1.0000000 | UH |
| | | | | | Software GIS | 2.0000000 | UH |
| | | | | | Akomodasi | 3.0000000 | UH |
| | | | | | Mobil di lokasi | 2.0000000 | UH |
| | | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kertas HVS A4 | 1.0000000 | rim |
| | | | | | Tinta Printer | 0.1000000 | set |
| | | | | | Seminar Kit | 50.0000000 | set |
| | | | | | Paket Pertemuan | 50.0000000 | UH |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | | Peserta Temu Kerja Kabupaten | 10.0000000 | OH |
| | | | | | Peserta dari Kecamatan | 50.0000000 | OH |
| | | | | | Tenaga Lokal | 2.0000000 | OH |
| | | | | | Koordinator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | | Operator Penegasan | 1.0000000 | OH |
| B.4.3.4.e | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 41 - 50 | Dokumen Penyampaian di Kabupaten | Dokumen | | | | |

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|-----------|--|----------------------------------|---------|--|---|------------|-----|
| | | | | | Batas Desa | | |
| | | | | | Operator GIS dan Kartografi 2 | 1.0000000 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 3.0000000 | UH |
| | | | | | Proyektor | 1.0000000 | UH |
| | | | | | Printer | 1.0000000 | UH |
| | | | | | Software GIS | 2.0000000 | UH |
| | | | | | Akomodasi | 3.0000000 | UH |
| | | | | | Mobil di lokasi | 2.0000000 | UH |
| | | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kertas HVS A4 | 1.0000000 | rim |
| | | | | | Tinta Printer | 0.1000000 | set |
| | | | | | Seminar Kit | 60.0000000 | set |
| | | | | | Paket Pertemuan | 60.0000000 | UH |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | | Peserta dari Kabupaten | 10.0000000 | OH |
| | | | | | Peserta dari Kecamatan | 60.0000000 | OH |
| | | | | | Tenaga Lokal | 2.0000000 | OH |
| | | | | | Koordinator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | | Operator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | | Operator GIS dan Kartografi | 1.0000000 | OH |
| B.4.3.4.f | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 51 - 60 | Dokumen Penyampaian di Kabupaten | Dokumen | | | | |

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|----------------------------------|--|----------------------------------|---------|--|------------------------|--|--|---------------------|-----------|----|--------------------|-----------|----|------------------------------|------------|----|------------------------|------------|----|--------------|-----------|----|----------------------------------|-----------|----|-------------------------------|-----------|----|-----------------------------|-----------|----|--------------------|-----------|-----|---------------|-----------|-----|-------------|------------|-----|-----------------|------------|----|------------------------|--|--|---------------------|-----------|----|--------------------|-----------|----|------------------------------|------------|----|------------------------|------------|----|--------------|-----------|----|----------------------------------|-----------|----|-------------------------------|-----------|----|-----------------------------|-----------|----|--------------------|--|--|
| | | | | <p>a) Jumlah</p> <table border="1"> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Proyektor</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Akomodasi</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.0000000</td> <td>UH</td> </tr> </table> <p>b) Jumlah</p> <table border="1"> <tr> <td>Daftar Bahan</td> <td></td> <td></td> </tr> <tr> <td>Kertas HVS A4</td> <td>1.0000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.1000000</td> <td>set</td> </tr> <tr> <td>Seminar Kit</td> <td>70.0000000</td> <td>set</td> </tr> <tr> <td>Paket Pertemuan</td> <td>70.0000000</td> <td>UH</td> </tr> </table> <p>c) Jumlah</p> <p>d) Standar Biaya Sub Tahapan (a+b+c)</p> <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta Temu Kerja Kabupaten</td> <td>10.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta dari Kecamatan</td> <td>70.0000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>1.0000000</td> <td>OH</td> </tr> </table> <p>a) Jumlah</p> <table border="1"> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> </table> | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 70.0000000 | set | Paket Pertemuan | 70.0000000 | UH | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 70.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi | 1.0000000 | OH | Daftar Alat | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 70.0000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 70.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 70.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4.g | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 61 - 70 | Dokumen Penyampaian di Kabupaten | Dokumen | <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta Temu Kerja Kabupaten</td> <td>10.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta dari Kecamatan</td> <td>70.0000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>1.0000000</td> <td>OH</td> </tr> </table> <p>a) Jumlah</p> <table border="1"> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 70.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi | 1.0000000 | OH | Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 70.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | <table border="1"> <tr><td>Laptop</td><td>3.0000000</td><td>UH</td></tr> <tr><td>Proyektor</td><td>1.0000000</td><td>UH</td></tr> <tr><td>Printer</td><td>1.0000000</td><td>UH</td></tr> <tr><td>Software GIS</td><td>2.0000000</td><td>UH</td></tr> <tr><td>Akomodasi</td><td>3.0000000</td><td>UH</td></tr> <tr><td>Mobil di lokasi</td><td>2.0000000</td><td>UH</td></tr> <tr><td>Kamera Digital Geotagging</td><td>1.0000000</td><td>UH</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td colspan="3">Daftar Bahan</td></tr> <tr><td>Kertas HVS A4</td><td>1.0000000</td><td>rim</td></tr> <tr><td>Tinta Printer</td><td>0.1000000</td><td>set</td></tr> <tr><td>Seminar Kit</td><td>80.0000000</td><td>set</td></tr> <tr><td>Paket Pertemuan</td><td>80.0000000</td><td>UH</td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td></tr> </table> | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 80.0000000 | set | Paket Pertemuan | 80.0000000 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 80.0000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 80.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4. h | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 71 - 80 | Dokumen Penyampaian di Kabupaten | Dokumen | <table border="1"> <tr><td colspan="3">Daftar Personil</td></tr> <tr><td>Ketua Tim Pelaksana</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Staff Administrasi</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Peserta Temu Kerja Kabupaten</td><td>10.0000000</td><td>OH</td></tr> <tr><td>Peserta dari Kecamatan</td><td>80.0000000</td><td>OH</td></tr> <tr><td>Tenaga Lokal</td><td>2.0000000</td><td>OH</td></tr> <tr><td>Koordinator Penegasan Batas Desa</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Operator Penegasan Batas Desa</td><td>1.0000000</td><td>OH</td></tr> <tr><td>Operator GIS dan Kartografi 2</td><td>1.0000000</td><td>OH</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td colspan="3">Daftar Alat</td></tr> <tr><td>Laptop</td><td>3.0000000</td><td>UH</td></tr> <tr><td>Proyektor</td><td>1.0000000</td><td>UH</td></tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 80.0000000 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi 2 | 1.0000000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 80.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi 2 | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------|--|----------------------------------|---------|---|------------|-----|
| | | | | Printer | 1.0000000 | UH |
| | | | | Software GIS | 2.0000000 | UH |
| | | | | Akomodasi | 3.0000000 | UH |
| | | | | Mobil di lokasi | 2.0000000 | UH |
| | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Kertas HVS A4 | 1.0000000 | rim |
| | | | | Tinta Printer | 0.1000000 | set |
| | | | | Seminar Kit | 90.0000000 | set |
| | | | | Paket Pertemuan | 90.0000000 | UH |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | Peserta Temu Kerja Kabupaten | 10.0000000 | OH |
| | | | | Peserta dari Kecamatan | 90.0000000 | OH |
| | | | | Tenaga Lokal | 2.0000000 | OH |
| | | | | Koordinator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | Operator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | Operator GIS dan Kartografi 2 | 1.0000000 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 3.0000000 | UH |
| | | | | Proyektor | 1.0000000 | UH |
| | | | | Printer | 1.0000000 | UH |
| | | | | Software GIS | 2.0000000 | UH |
| B.4.3.4.i | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 81 - 90 | Dokumen Penyampaian di Kabupaten | Dokumen | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------------|---------|--|------------------------|-----------|----|---------------------|-----------|----|---------------------------|-----------|----|------------------------------|------------|----|------------------------|------------------|----|---------------|-----------|-----|----------------------------------|-----------|-----|-------------------------------|------------------|-----|-------------------------------|------------------|----|------------------|--|--|---|--|--|--------|-----------|----|-----------|-----------|----|---------|-----------|----|--------------|-----------|----|
| | | | | <table border="1"> <tr> <td>Akomodasi</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kertas HVS A4</td> <td>1.0000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.1000000</td> <td>set</td> </tr> <tr> <td>Seminar Kit</td> <td>100.0000000 0</td> <td>set</td> </tr> <tr> <td>Paket Pertemuan</td> <td>100.0000000 0</td> <td>UH</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 100.0000000 0 | set | Paket Pertemuan | 100.0000000 0 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 100.0000000 0 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 100.0000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4.j | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan 91 - 100 | Dokumen Penyampaian di Kabupaten | Dokumen | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta Temu Kerja Kabupaten</td> <td>10.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta dari Kecamatan</td> <td>100.0000000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi 2</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Proyektor</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>2.0000000</td> <td>UH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 100.0000000 0 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi 2 | 1.0000000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 100.0000000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi 2 | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|--|----------------------------------|---------|--|------------------------|-----------|----|---------------------|-----------|----|---------------------------|-----------|----|------------------------------|------------|----|------------------------|------------------|----|---------------|-----------|-----|----------------------------------|-----------|-----|-------------------------------|------------------|-----|-------------------------------|------------------|----|------------------|--|--|---|--|--|--------|-----------|----|-----------|-----------|----|---------|-----------|----|--------------|-----------|----|
| | | | | <table border="1"> <tr> <td>Akomodasi</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kertas HVS A4</td> <td>1.0000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.1000000</td> <td>set</td> </tr> <tr> <td>Seminar Kit</td> <td>110.0000000 0</td> <td>set</td> </tr> <tr> <td>Paket Pertemuan</td> <td>110.0000000 0</td> <td>UH</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 110.0000000 0 | set | Paket Pertemuan | 110.0000000 0 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 110.0000000 0 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 110.0000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.3.4.k | Penyampaian rencana kerja Penegasan Batas Desa-Kelurahan di Kabupaten jumlah Kecamatan > 100 | Dokumen Penyampaian di Kabupaten | Dokumen | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta Temu Kerja Kabupaten</td> <td>10.0000000</td> <td>OH</td> </tr> <tr> <td>Peserta dari Kecamatan</td> <td>110.0000000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>2.0000000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi 2</td> <td>1.0000000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Proyektor</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>2.0000000</td> <td>UH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 1.0000000 | OH | Staff Administrasi | 1.0000000 | OH | Peserta Temu Kerja Kabupaten | 10.0000000 | OH | Peserta dari Kecamatan | 110.0000000 0 | OH | Tenaga Lokal | 2.0000000 | OH | Koordinator Penegasan Batas Desa | 1.0000000 | OH | Operator Penegasan Batas Desa | 1.0000000 | OH | Operator GIS dan Kartografi 2 | 1.0000000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 3.0000000 | UH | Proyektor | 1.0000000 | UH | Printer | 1.0000000 | UH | Software GIS | 2.0000000 | UH |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta Temu Kerja Kabupaten | 10.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peserta dari Kecamatan | 110.0000000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 2.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi 2 | 1.0000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | <table border="1"> <tr> <td>Akomodasi</td> <td>3.0000000</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>2.0000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.0000000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kertas HVS A4</td> <td>1.0000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.1000000</td> <td>set</td> </tr> <tr> <td>Seminar Kit</td> <td>120.0000000 0</td> <td>set</td> </tr> <tr> <td>Paket Pertemuan</td> <td>120.0000000 0</td> <td>UH</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Akomodasi | 3.0000000 | UH | Mobil di lokasi | 2.0000000 | UH | Kamera Digital Geotagging | 1.0000000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 1.0000000 | rim | Tinta Printer | 0.1000000 | set | Seminar Kit | 120.0000000 0 | set | Paket Pertemuan | 120.0000000 0 | UH | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| Akomodasi | 3.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 2.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.0000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 1.0000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.1000000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminar Kit | 120.0000000 0 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paket Pertemuan | 120.0000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | B.4.3.5. | Pelaporan Temu Kerja dan Sosialisasi Penegasan Batas Desa-Kelurahan | Laporan Progress | Dokumen | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.0600000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0200000 | OH | Staff Administrasi | 0.0200000 | OH | Koordinator Penegasan Batas Desa | 0.0200000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.0600000 | UH | b) Jumlah | | | Daftar Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.0600000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.4 | Penegasan Batas Desa-Kelurahan Secara Kartomertik | B.4.4.1. | Penyiapan Alat dan Personil Penegasan Batas Desa-Kelurahan Secara Kartomertik | Dokumen | Dokumen | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0588235</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0588235</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0100000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0588235 | OH | Staff Administrasi | 0.0588235 | OH | Koordinator Penegasan Batas Desa | 0.0100000 | OH | a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0588235 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0588235 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0100000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|--------------------------------|-----------------------------------|------|--|------------------------|--|--|---------------------|-----------|----|---|-----------|----|---------------------|-----------|----|---------------------|-----------|----|----------------------------------|-----------|-----|-------------------------------|-----------|-----|-----------------------------|-----------|----|---|-----------|----|------------------|--|--|--------------------|--|--|--------------|-----------|----|--------|-----------|----|-----------|-----------|----|---------|-----------|----|-----------------|-----------|----|-----------|-----------|----|---------------------------------|-----------|----|
| | | | | <table border="1"> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.0300000</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>0.0100000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kertas HVS A4</td> <td>0.2000000</td> <td>rim</td> </tr> <tr> <td>Tinta Printer</td> <td>0.0200000</td> <td>set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Daftar Alat | | | Laptop | 0.0300000 | UH | Printer | 0.0100000 | UH | b) Jumlah | | | Daftar Bahan | | | Kertas HVS A4 | 0.2000000 | rim | Tinta Printer | 0.0200000 | set | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.0300000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 0.0100000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas HVS A4 | 0.2000000 | rim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Printer | 0.0200000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.4.2. | Penegasan Batas Desa-Kelurahan | Batas Kesepakatan Hasil Penegasan | Desa | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0566667</td> <td>OH</td> </tr> <tr> <td>Aparat Daerah (pemerintah kecamatan 3 org, tim PBD 3 org)</td> <td>1.3333333</td> <td>OH</td> </tr> <tr> <td>Aparat Desa (@1org)</td> <td>0.6666667</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal</td> <td>0.6666667</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.3333333</td> <td>OH</td> </tr> <tr> <td>Operator Penegasan Batas Desa</td> <td>0.3333333</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>0.3333333</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0566667</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Software GIS</td> <td>0.6666667</td> <td>UH</td> </tr> <tr> <td>Laptop</td> <td>0.7233333</td> <td>UH</td> </tr> <tr> <td>Proyektor</td> <td>0.3333333</td> <td>UH</td> </tr> <tr> <td>Printer</td> <td>0.3333333</td> <td>UH</td> </tr> <tr> <td>Mobil di lokasi</td> <td>0.6666667</td> <td>UH</td> </tr> <tr> <td>Akomodasi</td> <td>1.6666667</td> <td>UH</td> </tr> <tr> <td>GPS Handheld dan Kelengkapannya</td> <td>0.3333333</td> <td>UH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0566667 | OH | Aparat Daerah (pemerintah kecamatan 3 org, tim PBD 3 org) | 1.3333333 | OH | Aparat Desa (@1org) | 0.6666667 | OH | Tenaga Lokal | 0.6666667 | OH | Koordinator Penegasan Batas Desa | 0.3333333 | OH | Operator Penegasan Batas Desa | 0.3333333 | OH | Operator GIS dan Kartografi | 0.3333333 | OH | Staff Administrasi | 0.0566667 | OH | a) Jumlah | | | Daftar Alat | | | Software GIS | 0.6666667 | UH | Laptop | 0.7233333 | UH | Proyektor | 0.3333333 | UH | Printer | 0.3333333 | UH | Mobil di lokasi | 0.6666667 | UH | Akomodasi | 1.6666667 | UH | GPS Handheld dan Kelengkapannya | 0.3333333 | UH |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0566667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aparat Daerah (pemerintah kecamatan 3 org, tim PBD 3 org) | 1.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aparat Desa (@1org) | 0.6666667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal | 0.6666667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penegasan Batas Desa | 0.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 0.3333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0566667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.6666667 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.7233333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyektor | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di lokasi | 0.6666667 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.6666667 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Handheld dan Kelengkapannya | 0.3333333 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|----------|--|---------------------------|---------|---|-----------|-----|
| | | | | Kamera Digital Geotagging | 0.3333333 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Konsumsi | 4.3333333 | |
| | | | | Kertas HVS A4 | 0.2000000 | rim |
| | | | | Tinta Printer | 0.0200000 | set |
| | | | | ATK | 0.1000000 | Set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.4.3. | Demobilisasi | Berita Acara Demobilisasi | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.1700000 | OH |
| | | | | Koordinator Penegasan Batas Desa | 0.1700000 | OH |
| | | | | Operator Penegasan Batas Desa | 1.0000000 | OH |
| | | | | Operator GIS dan Kartografi | 1.0000000 | OH |
| | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Mobil Penginapan ke Bandara | 3.3400000 | UH |
| | | | | Mobil Bandara ke Base | 3.3400000 | UH |
| | | | | Tiket Transportasi | 3.3400000 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.4.4. | Pelaporan Penegasan Batas Desa-Kelurahan | Laporan Progress | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.0588235 | OH |
| | | | | Staff Administrasi | 0.0588235 | OH |

| | | | | | | | | |
|-------|--|----------|--|--|---------|---|-----------|-----|
| | | | Secara Kartomertik | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.0300000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.5 | Pengolahan Data Hasil Penegasan Batas Desa/Kelurahan | B.4.5.1. | Penyiapan Alat dan Personil Pengolahan Data Hasil Penegasan Batas Desa/Kelurahan | Dokumen | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0588235 | OH |
| | | | | | | Staff Administrasi | 0.0588235 | OH |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.0300000 | UH |
| | | | | | | Printer | 0.0100000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.2000000 | rim |
| | | | | | | Tinta Printer | 0.0200000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.4.5.2. | Digitalisasi Hasil Draft Peta Kerja | Draft Peta Kerja Digital Hasil Scan Ter-Georeferensi | Desa | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0068000 | OH |
| | | | | | | Staff Administrasi | 0.0068000 | OH |
| | | | | | | Koordinator Penegasan Batas Desa | 0.0400000 | OH |
| | | | | | | Operator GIS dan Kartografi | 0.0400000 | OH |
| | | | | | | a) Jumlah | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------------------------|------------------|--|------------------------|--|--|---------------------|-----------|----|--------------------|-----------|----|----------------------------------|-----------|----|-----------------------------|-----------|----|------------------|--|--|---------------------|--|--|--------|-----------|----|------------------|-----------|----|---|-----------|----|------------------|--|--|---------------------|--|--|--|--|--|------------------|--|--|---|--|--|
| | | | | <table border="1"> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.0536000</td> <td>UH</td> </tr> <tr> <td>Workstation PC</td> <td>0.0400000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>0.0800000</td> <td>UH</td> </tr> <tr> <td>Scanner</td> <td>0.0400000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Daftar Alat | | | Laptop | 0.0536000 | UH | Workstation PC | 0.0400000 | UH | Software GIS | 0.0800000 | UH | Scanner | 0.0400000 | UH | b) Jumlah | | | Daftar Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.0536000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Workstation PC | 0.0400000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.0800000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 0.0400000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.5.3. | Pengolahan Data Hasil Penegasan Batas Desa/Kelurahan | Batas Kesepakatan Hasil Penegasan | Desa | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0085000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0085000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0500000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan Kartografi</td> <td>0.0500000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.0670000</td> <td>UH</td> </tr> <tr> <td>Workstation PC</td> <td>0.0500000</td> <td>UH</td> </tr> <tr> <td>Software GIS</td> <td>0.1000000</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0085000 | OH | Staff Administrasi | 0.0085000 | OH | Koordinator Penegasan Batas Desa | 0.0500000 | OH | Operator GIS dan Kartografi | 0.0500000 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.0670000 | UH | Workstation PC | 0.0500000 | UH | Software GIS | 0.1000000 | UH | b) Jumlah | | | Daftar Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0085000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0085000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0500000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan Kartografi | 0.0500000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.0670000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Workstation PC | 0.0500000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.1000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.4.5.4. | Proses Seamless dan Pengisian Metadata | Geodatabase Metadata | File Geodatabase | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0034000</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0034000</td> <td>OH</td> </tr> <tr> <td>Koordinator Penegasan Batas Desa</td> <td>0.0200000</td> <td>OH</td> </tr> <tr> <td>Operator GIS dan</td> <td>0.0200000</td> <td>OH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0034000 | OH | Staff Administrasi | 0.0034000 | OH | Koordinator Penegasan Batas Desa | 0.0200000 | OH | Operator GIS dan | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0034000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0034000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penegasan Batas Desa | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator GIS dan | 0.0200000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|-------|--|----------|---|------------------|---|-----------|----|
| | | | | | Kartografi | | |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.0268000 | |
| | | | | | Workstation PC | 0.0200000 | |
| | | | | | Software GIS | 0.0400000 | |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.4.5.5. | Pelaporan Pengolahan Data Hasil Penegasan Batas Desa/Kelurahan | Laporan Progress | Dokumen | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.0588235 | OH |
| | | | | | Staff Administrasi | 0.0588235 | OH |
| | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.0300000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.6 | Penyajian Hasil Penegasan Batas Desa/Kelurahan | B.4.6.1. | Penyiapan Alat dan Personil Penyajian Data Hasil Penegasan Batas Desa/Kelurahan | Dokumen | Dokumen | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.0017000 | |
| | | | | | Staff Administrasi | 0.0017000 | |
| | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.0300000 | |

| | | | | | | |
|----------|---|----------------------------|---------|---|-----------|-----|
| | | | | Printer | 0.0100000 | |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Kertas HVS A4 | 0.2000000 | rim |
| | | | | Tinta Printer | 0.0200000 | set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.6.2. | Penyajian Data Hasil Penegasan Batas Desa/Kelurahan | Peta Kerja Hasil Penegasan | Desa | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.0113333 | |
| | | | | Staff Administrasi | 0.0113333 | |
| | | | | Koordinator Penegasan Batas Desa | 0.0666667 | |
| | | | | Operator GIS dan Kartografi | 0.0666667 | |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 0.0893333 | |
| | | | | Workstation PC | 0.0666667 | |
| | | | | Printer | 0.0666667 | |
| | | | | Software GIS | 0.1333333 | |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Kertas HVS A3 | 0.0200000 | |
| | | | | Tinta Printer | 0.0200000 | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.6.3. | Pelaporan Penyajian Data Hasil Penegasan Batas Desa/Kelurahan | Laporan Progress | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.0588235 | |
| | | | | Staff Administrasi | 0.0588235 | |
| | | | | Koordinator Penegasan Batas Desa | 0.0100000 | |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |

| | | | | | | | |
|-------|-----------------|--|---------------|---------|---|-----------|----------|
| | | | | | Laptop | 0.0300000 | |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.4.7 | Pelaporan Akhir | | Laporan Akhir | Dokumen | Daftar Personil | | |
| . | | | | | Ketua Tim Pelaksana | 0.0017000 | OH |
| | | | | | Koordinator Penegasan Batas Desa | 0.0100000 | 0 |
| | | | | | Staff Administrasi | 0.0017000 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.0300000 | UH |
| | | | | | Printer | 0.0100000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | ATK | 0.0100000 | Set |
| | | | | | Penjilidan Album A3 | 0.0300000 | Rangka p |
| | | | | | Penjilidan A4 | 0.1500000 | Rangka p |
| | | | | | Harddisk Eksternal | 0.0100000 | Unit |
| | | | | | Tinta Printer | 0.2000000 | Paket |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |



Analisis Biaya Keluaran Kegiatan

**f. Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI -
Republik Demokratik Timor Leste**

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL dipengaruhi oleh faktor produktifitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemotretan Udara menggunakan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL:

1. Faktor Keamanan

Faktor keamanan adalah salah satu faktor penghambat pekerjaan dilapangan terkait dengan kondisi lingkungan yang dijadikan lokasi tujuan survei. Faktor keamanan ini dikelaskan menjadi 3, yaitu:

Keamanan Berat : Merupakan kondisi dimana masyarakat setempat melarang kegiatan survei dilaksanakan dan pihak satgas pamtas tidak dapat menjamin pelaksanaan.

Keamanan Sedang : Merupakan kondisi dimana Pihak satgas pamtas dapat menjamin keamanan pelaksanaan dengan kondisi2 tertentu. Misal : pelaksanaan tidak dapat dilaksanakan pada hari Ibadah.

Keamanan Ringan : Merupakan kondisi dimana tidak ada hambatan terkait keamanan.

2. Faktor Alam

Faktor alam juga merupakan salah satu faktor penghambat pekerjaan dilapangan. Faktor alam ini berkaitan dengan bencana alam yang dapat terjadi di lapangan. Faktor alam dikelaskan menjadi 3, yaitu:

Alam Berat : Merupakan kondisi ketika dilapangan terjadi bencana longsor, banjir, badai sehingga tidak dapat dilaksanakan survey.

Alam Sedang : Merupakan kondisi ketika dilapangan terjadi hujan, angin ribut sehingga menghambat mobilisasi di lapangan.

Alam Ringan : Merupakan kondisi ketika tidak ada hambatan terkait kondisi alam yang telah disebutkan pada dua kelas sebelumnya.

3. Faktor Cuaca

Faktor lokasi merupakan faktor yang menghambat mobilitas menuju lokasi tujuan survei. Faktor lokasi dikelaskan menjadi 4, yaitu:

Lokasi Khusus : Merupakan kondisi dimana untuk mencapai lokasi hanya dapat dijangkau dengan transportasi udara.

Lokasi Berat : Merupakan kondisi dimana untuk mencapai lokasi ditempuh dengan waktu diatas 2 hari.

Lokasi Medium : Merupakan kondisi dimana untuk mencapai lokasi ditempuh dengan waktu dibawah 2 hari.

Lokasi Ringan : Merupakan kondisi dimana lokasi dapat dicapai dengan kendaraan roda 4.

4. Faktor Koordinasi

Faktor koordinasi merupakan faktor yang dipengaruhi oleh pihak negara tetangga dalam kesiapan untuk melakukan survey bersama. Faktor koordinasi dikelaskan menjadi 3, yaitu:

Koordinasi Tidak Berjalan : Merupakan kondisi apabila tim survei negara tetangga tidak dapat datang tidak berkoordinasi dengan satgas pamtasnya. Sehingga tim survei tidak dapat melaksanakan pekerjaan karena tidak mendapatkan ijin masalah keamanan.

Koordinasi Berjalan Lambat : Merupakan kondisi apabila tim survei negara tetangga tidak dapat datang ke lapangan tetapi sudah berkoordinasi dengan satgas pamtas sebelah, sehingga masih dapat mengawal jalannya survei. Menjadi lambat karena tidak dapat pengambil keputusan secepatnya dilapangan.

Koordinasi Lancar : Merupakan kondisi dimana tim survei negara tetangga hadir dalam survey.

Tabel berikut menunjukkan besaran koefisien pada Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL:

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|---------------------------|--|---------|--|------|-----------------|---|---------|---|-----------|--------|
| B.7.1. | Persiapan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL | B.7.1.1 | Pembuatan Rencana Detail Kegiatan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL | | | Dokumen Rencana Kegiatan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL | Dokumen | Daftar Personil | | |
| | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | Staff Administrasi | 2.0000000 | OH |
| | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 2.0000000 | OH |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Mobil Base | 2.0000000 | UH |
| Laptop | 6.0000000 | UH | | | | | | | | |
| Kamera Digital Geotagging | 2.0000000 | UH | | | | | | | | |

| | | | | | | | | |
|----------------|---|--|--|---|---------|--|---------------|-----|
| | | | | | | Printer | 2.000000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.1.2 | Penyiapan Alat dan Personil Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL | | | Dokumen hasil penyiapan alat dan personil | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 2.000000 0 | OH |
| | | | | | | Staff Administrasi | 2.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 2.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 2.000000 0 | UH |
| | | | | | | Workstation PC | 2.000000 0 | UH |
| | | | | | | Printer | 2.000000 0 | UH |

| | | | | | | | | | | |
|---------|--|--|--|--|---------------------|---------|--|---|---------------|-----|
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Daftar Bahan | | |
| | | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | | Tinta Printer | 0.002000 0 | Set |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.1.3 | Pelaporan Persiapan Pembuatan dan Pemasangan Pilar Batas Negara Perbatasan RI-RDTL | | | | Laporan Pendahuluan | Dokumen | | | | |
| | | | | | | | | Daftar Personil | | |
| | | | | | | | | Ketua Tim Pelaksana | 3.000000 0 | OH |
| | | | | | | | | Staff Administrasi | 3.000000 0 | OH |
| | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 3.000000 0 | OH |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Laptop | 9.000000 0 | UH |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | |
|--------|---|---------|---------------|-----------|---|------------------------------------|---|------------------------|---------------|---------------------|---|---------------|---------------|------|
| B.7.2. | Survei Pendahuluan dan Penentuan Posisi Pilar Batas RI-RDTL | B.7.2.1 | Reconnaisance | B.7.2.1.1 | Penyiapan Alat dan Personil Reconnaisance | Dokumen kesiapan alat dan personil | Dokumen | Daftar Personil | | | | | | |
| | | | | | | | | | | Ketua Tim Pelaksana | 1.000000 0 | OH | | |
| | | | | | | | | | | | Staff Administrasi | 1.000000 0 | OH | |
| | | | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH | |
| | | | | | | | a) Jumlah | | | | | | | |
| | | | | | | | Daftar Alat | | | | | | | |
| | | | | | | | | | | | | Laptop | 3.000000 0 | UH |
| | | | | | | | | | | | | Printer | 1.000000 0 | UH |
| | | | | | | | b) Jumlah | | | | | | | |
| | | | | | | | Daftar Bahan | | | | | | | |
| | | | | | | | | | | | | Kertas HVS A4 | 0.200000 0 | set |
| | | | | | | | | | | | | Tinta Printer | 0.020000 0 | Unit |
| | | | | | | | c) Jumlah | | | | | | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | |
| | | | B.7.2.1.2 | Perijinan | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | | | | | | |
| | | | | | | | | Ketua Tim Pelaksana | 2.000000 0 | OH | | | | |

| | | | | | | | | |
|--|--|--|------------------|-------------------|--------|---|---------------|------|
| | | | | | | Staff Administrasi | 2.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 2.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 6.000000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 2.000000 0 | UH |
| | | | | | | Basecamp | 6.000000 0 | UH |
| | | | | | | Mobil Base | 2.000000 0 | UH |
| | | | | | | Printer | 2.000000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.200000 0 | set |
| | | | | | | Tinta Printer | 0.020000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar | | |
| | | | B.7.2.1.3 | Mobilisasi | Berita | Dokum | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----|----------------------|---|--|--|-----------------|--|--|---------------------|---------------|----|---|---------------|----|---------------------|---------------|----|------------------|--|--|--------------------|--|--|--------------------|---------------|----|-----------------------|---------------|----|-----------------------------|---------------|----|------------------|--|--|---------------------|--|--|----|--|--|------------------|--|--|---|--|--|------------------------|--|--|---------------------|---------------|----|-------|----------|----|
| | | | | acara mobilisasi | en | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>1.000000 0</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>1.000000 0</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>2.000000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Tiket Transportasi</td> <td>4.000000 0</td> <td>UH</td> </tr> <tr> <td>Mobil Base ke Bandara</td> <td>1.000000 0</td> <td>UH</td> </tr> <tr> <td>Mobil Bandara ke Penginapan</td> <td>1.000000 0</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td colspan="3">--</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub-Sub Tahapan (a+b+c)</td> </tr> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.100000 0</td> <td>OH</td> </tr> <tr> <td>Staff</td> <td>0.100000</td> <td>OH</td> </tr> </table> | Personil | | | Ketua Tim Pelaksana | 1.000000 0 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH | Surveyor Pengukuran | 2.000000 0 | OH | a) Jumlah | | | Daftar Alat | | | Tiket Transportasi | 4.000000 0 | UH | Mobil Base ke Bandara | 1.000000 0 | UH | Mobil Bandara ke Penginapan | 1.000000 0 | UH | b) Jumlah | | | Daftar Bahan | | | -- | | | c) Jumlah | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | Daftar Personil | | | Ketua Tim Pelaksana | 0.100000 0 | OH | Staff | 0.100000 | OH |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 1.000000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 2.000000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tiket Transportasi | 4.000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil Base ke Bandara | 1.000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil Bandara ke Penginapan | 1.000000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.100000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff | 0.100000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | B.7.2.1.4 .a. | Koordinasi dengan Pihak RDTL (koordinasi | Dokumen Kesepakatan Jadwal Staking Out | Dokumen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|--|--|---------------------|--------------------------|---------------------|---------|---|---------------|------|
| | | | | lancar) | | | Administrasi | 0 | |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.100000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | Basecamp | 0.300000 0 | UH |
| | | | | | | | Mobil di Lokasi | 0.100000 0 | UH |
| | | | | | | | Printer | 0.100000 0 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | Kertas HVS A4 | 0.020000 0 | set |
| | | | | | | | Tinta Printer | 0.002000 0 | Unit |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.4 .b | Koordinasi dengan | Dokumen Kesepakatan | Dokumen | Daftar Personil | | |

| | | | | | | | | |
|--|--|--|--|----------------------|--|---|---------------|------|
| | | | Pihak RDTL (koordinasi berjalan lambat) | n Jadwal Staking Out | | Ketua Tim Pelaksana | 0.300000 0 | OH |
| | | | | | | Staff Administrasi | 0.300000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.900000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | Basecamp | 0.900000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | Printer | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.020000 0 | set |
| | | | | | | Tinta Printer | 0.002000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub | | |

| | | | | | | |
|---------------------|---|--|---------|---|---------------|-----|
| | | | | Tahapan (a+b+c) | | |
| B.7.2.1.4 .c | Koordinasi dengan Pihak RDTL (koordinasi tidak berjalan) | Dokumen Kesepakatan Jadwal Staking Out | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.500000 0 | OH |
| | | | | Staff Administrasi | 0.500000 0 | OH |
| | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.500000 0 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 1.500000 0 | UH |
| | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | Basecamp | 1.500000 0 | UH |
| | | | | Mobil di Lokasi | 0.500000 0 | UH |
| | | | | Printer | 0.500000 0 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Kertas HVS A4 | 0.020000 0 | set |
| Tinta Printer | 0.002000 | Unit | | | | |

| | | | | | | |
|------------------|---|---------------------------------------|-------|---|---------------|----|
| | | | | | 0 | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.7.2.1.5 | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| .a | | | | Ketua Tim Pelaksana | 0.016666 7 | OH |
| | | | | Staff Administrasi | 0.016666 7 | OH |
| | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.016666 7 | OH |
| | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | Tukang | 0.100000 0 | OH |
| | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 0.150000 | UH |

| | | | | | | | |
|--|--|--|----------------------|---|---|---------------|------|
| | | | | | 0 | | |
| | | | | | Kompas | 0.100000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 0.100000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.100000 0 | UH |
| | | | | | Basecamp | 0.650000 0 | UH |
| | | | | | Mobil di Lokasi | 0.100000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .b. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan | Tanda Patok dan Tanda Pilar Sementara | Titik | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | Koordinator Pembuatan | 0.033333 3 | OH |

| | | | | | | | | | |
|--|--|--|--|---|--|--|---|---------------|----|
| | | | | aksesibilitas rendah, keamanan sedang, kondisi alam ringan) | | | dan Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.066666 7 | UH |
| | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |

| | | | | | | | |
|--|--|--|----------------------|--|---|---------------|---|
| | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .c. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil |
| | | | | | | | Ketua Tim Pelaksana |
| | | | | | | 0.066666 7 | OH |
| | | | | | | | Staff Administrasi |
| | | | | | | 0.066666 7 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL |
| | | | | | | 0.066666 7 | OH |
| | | | | | | | Surveyor Pengukuran |
| | | | | | | 0.400000 0 | OH |
| | | | | | | | Tukang |
| | | | | | | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) |
| | | | | | | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) |
| | | | | | | 0.400000 0 | OH |

| | | | | | | | |
|--|--|----------------------|----------------------|-----------------|---|------------------------|------|
| | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.600000 0 | UH |
| | | | | | Kompas | 0.400000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | Basecamp | 2.200000 0 | UH |
| | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | B.7.2.1.5 .d. | Penentuan dan | Tanda Patok dan | Titik | Daftar Personil | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----|--|---|-----------------------|---|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|---------------------------|---------------|----|-----|----------|----|
| | | | | pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam ringan) | Tanda Pilar Sementara | <table border="1"> <tr> <td>Ketua Tim Pelaksana</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.200000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.066666 7</td> <td>UH</td> </tr> <tr> <td>GPS</td> <td>0.200000</td> <td>UH</td> </tr> </table> | Ketua Tim Pelaksana | 0.033333 3 | OH | Staff Administrasi | 0.033333 3 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH | Surveyor Pengukuran | 0.200000 0 | OH | Tukang | 0.200000 0 | OH | Tenaga Lokal (Porter 1) | 0.200000 0 | OH | Tenaga Lokal (Porter 2) | 0.200000 0 | OH | Tenaga Lokal (Porter 3) | 0.200000 0 | OH | Tenaga Lokal (Porter 4) | 0.200000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.300000 0 | UH | Kompas | 0.200000 0 | UH | Kamera Digital Geotagging | 0.066666 7 | UH | GPS | 0.200000 | UH |
| Ketua Tim Pelaksana | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.200000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.066666 7 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS | 0.200000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|---------------------|--|--|--|--|--|---------------------------------|---------------|------|
| | | | | | | | 0 | |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| a) Jumlah | | | | | | | | |
| Daftar Alat | | | | | | | | |
| | | | | | | Laptop | 0.450000 0 | UH |
| | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | Kayu | 1.000000 | Unit |

| | | | | | | | |
|----------------------|--|---------------------------------------|-------|--|--|---|-----------------|
| | | | | | | 0 | |
| | | | | | | c) Jumlah | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | |
| | | | | | | Daftar Personil | |
| | | | | | | Ketua Tim Pelaksana | 0.0666667 OH |
| | | | | | | Staff Administrasi | 0.0666667 OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.0666667 OH |
| | | | | | | Surveyor Pengukuran | 0.4000000 OH |
| | | | | | | Tukang | 0.4000000 OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 OH |
| | | | | | | a) Jumlah | |
| | | | | | | Daftar Alat | |
| | | | | | | Laptop | 0.6000000 UH |
| B.7.2.1.5 .f. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | | | | |

| | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|---------------|------|
| | | | | | | | 0 | |
| | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .g. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan | Tanda Patok dan Tanda Pilar Sementara | Titik | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan | 0.066666 7 | OH |

| | | | | | | | | | |
|--|--|--|--|---|--|--|---|---------------|----|
| | | | | aksesibilitas sedang, keamanan berat, kondisi alam ringan) | | | dan Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |

| | | | | | | | | |
|--|--|--|----------------------|--|---------------------------------------|---|---|---------------------|
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .h. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.066666 7 OH |
| | | | | | | | Staff Administrasi | 0.066666 7 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 OH |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 OH |
| | | | | | | | Tukang | 0.400000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 OH |

| | | | | | | | | |
|--|--|--|------------------|------------------|-------|---|---------------|------|
| | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar | | |
| | | | B.7.2.1.5 | Penentuan | Tanda | Titik | | |

| | | | .i. | <p>dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam ringan)</p> | Patok dan Tanda Pilar Sementara | <table border="1"> <thead> <tr> <th colspan="3">Personil</th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.083333 3</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.083333 3</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.083333 3</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th colspan="3">Daftar Alat</th> </tr> <tr> <td>Laptop</td> <td>0.750000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.500000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.166666 7</td> <td>UH</td> </tr> </tbody> </table> | Personil | | | Ketua Tim Pelaksana | 0.083333 3 | OH | Staff Administrasi | 0.083333 3 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 | OH | Surveyor Pengukuran | 0.500000 0 | OH | Tukang | 0.500000 0 | OH | Tenaga Lokal (Porter 1) | 0.500000 0 | OH | Tenaga Lokal (Porter 2) | 0.500000 0 | OH | Tenaga Lokal (Porter 3) | 0.500000 0 | OH | Tenaga Lokal (Porter 4) | 0.500000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.750000 0 | UH | Kompas | 0.500000 0 | UH | Kamera Digital Geotagging | 0.166666 7 | UH |
|---|---------------|----|-----|--|---------------------------------|---|-----------------|--|--|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|---------------------------|---------------|----|
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.083333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.083333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.750000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.500000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.166666 7 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|--|---------------------|---|---------------------------------------|---|--|---------------------|
| | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | Basecamp | 3.250000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.500000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 j. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.166666 7 OH |
| | | | | | | | Staff Administrasi | 0.166666 7 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDRTL | 0.166666 7 OH |
| | | | | | | | Surveyor Pengukuran | 1.000000 0 OH |

| | | | | | | | |
|---------------------|--|--|--|--|--|---------------|----|
| | | | | | Tukang | 1.000000 0 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 1.000000 0 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 1.000000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 1.000000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 1.000000 0 | OH |
| a) Jumlah | | | | | | | |
| Daftar Alat | | | | | | | |
| | | | | | Laptop | 1.500000 0 | UH |
| | | | | | Kompas | 1.000000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.333333 3 | UH |
| | | | | | GPS Handheld dan kelengkapan nya | 1.000000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 1.000000 0 | UH |
| | | | | | Basecamp | 6.500000 0 | UH |
| | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| b) Jumlah | | | | | | | |
| Daftar Bahan | | | | | | | |

| | | | | | | | |
|----------------------|---|---------------------------------------|-------|--|---|---------------|------|
| | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.200000 0 | OH |
| | | | | | Staff Administrasi | 0.200000 0 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.200000 0 | OH |
| | | | | | Surveyor Pengukuran | 1.200000 0 | OH |
| | | | | | Tukang | 1.200000 0 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 1.200000 0 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 1.200000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 1.200000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 1.200000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| B.7.2.1.5 .k. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam ringan) | Tanda Patok dan Tanda Pilar Sementara | Titik | | | | |

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|---|-----------|----|
| | | | | (dengan kesulitan aksesibilitas khusus, keamanan berat, kondisi alam ringan) | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.2166667 | OH |
| | | | | | | | | Surveyor Pengukuran | 1.3000000 | OH |
| | | | | | | | | Tukang | 1.3000000 | OH |
| | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Laptop | 1.9500000 | UH |
| | | | | | | | | Kompas | 1.3000000 | UH |
| | | | | | | | | Kamera Digital Geotagging | 0.4333333 | UH |
| | | | | | | | | GPS Handheld dan kelengkapannya | 1.3000000 | UH |

| | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|---------------|------|
| | | | | | | Perengkapan Flying Camp | 1.300000 0 | UH |
| | | | | | | Basecamp | 8.450000 0 | UH |
| | | | | | | Mobil di Lokasi | 1.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.200000 0 | OH |
| | | | | | | Staff Administrasi | 0.200000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.200000 0 | OH |
| | | | | | | Surveyor Pengukuran | 1.200000 0 | OH |
| | | | | | | Tukang | 1.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 1.200000 0 | OH |
| | | | B.7.2.1.5 .m. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | | |

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| | | |
|---------------------------------|---------------|------|
| Tenaga Lokal (Porter 2) | 1.200000 0 | OH |
| Tenaga Lokal (Porter 3) | 1.200000 0 | OH |
| Tenaga Lokal (Porter 4) | 1.200000 0 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 1.800000 0 | UH |
| Kompas | 1.200000 0 | UH |
| Kamera Digital Geotagging | 0.400000 0 | UH |
| GPS Handheld dan kelengkapannya | 1.200000 0 | UH |
| Perlengkapan Flying Camp | 1.200000 0 | UH |
| Basecamp | 7.800000 0 | UH |
| Mobil di Lokasi | 1.200000 0 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Kayu | 1.000000 0 | Unit |
| c) Jumlah | | |
| d) Standar Biaya Sub-Sub | | |

| | | | | | | |
|--------------------------------|---|---------------------------------------|-------|---|---------------|----|
| | | | | Tahapan (a+b+c) | | |
| B.7.2.1.5 .n. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 0.216666 7 | OH |
| | | | | Staff Administrasi | 0.216666 7 | OH |
| | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.216666 7 | OH |
| | | | | Surveyor Pengukuran | 1.300000 0 | OH |
| | | | | Tukang | 1.300000 0 | OH |
| | | | | Tenaga Lokal (Porter 1) | 1.300000 0 | OH |
| | | | | Tenaga Lokal (Porter 2) | 1.300000 0 | OH |
| | | | | Tenaga Lokal (Porter 3) | 1.300000 0 | OH |
| | | | | Tenaga Lokal (Porter 4) | 1.300000 0 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Laptop | 1.950000 0 | UH |
| | | | | Kompas | 1.300000 0 | UH |

| | | | | | | | |
|--|--|--|-----------------------------|--|---------------------------------|---------------|----|
| | | | kondisi alam sedang) | | RDTL | | |
| | | | | | Surveyor Pengukuran | 1.400000 0 | OH |
| | | | | | Tukang | 1.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 1.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 1.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 1.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 1.400000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 2.100000 0 | UH |
| | | | | | Kompas | 1.400000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.466666 7 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 1.400000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 1.400000 0 | UH |
| | | | | | Basecamp | 9.100000 0 | UH |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------------------------|-------|--|------------------------|---------------|----|---------------------|---------------|----|---------------------|---------------|----|---|---------------|------|---------------------|---------------|----|---|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|
| | | | | <table border="1"> <tr> <td>Mobil di Lokasi</td> <td>1.400000 0</td> <td>UH</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Bahan</td> </tr> <tr> <td>Kayu</td> <td>1.000000 0</td> <td>Unit</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Sub-Sub Tahapan (a+b+c)</td> </tr> </table> | Mobil di Lokasi | 1.400000 0 | UH | b) Jumlah | | | Daftar Bahan | | | Kayu | 1.000000 0 | Unit | c) Jumlah | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | | | | | |
| Mobil di Lokasi | 1.400000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kayu | 1.000000 0 | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.7.2.1.5 .p. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | <table border="1"> <tr> <td colspan="3">Daftar Personil</td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.066666 7</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.066666 7</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.066666 7</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.400000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.400000 0</td> <td>OH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.066666 7 | OH | Staff Administrasi | 0.066666 7 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH | Surveyor Pengukuran | 0.400000 0 | OH | Tukang | 0.400000 0 | OH | Tenaga Lokal (Porter 1) | 0.400000 0 | OH | Tenaga Lokal (Porter 2) | 0.400000 0 | OH | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.066666 7 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.066666 7 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|--|--|----------------------|---|---------------|------|
| | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Laptop | 0.600000 0 | UH |
| | | | | | Kompas | 0.400000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.7.2.1.5 .q. | Penentuan dan pemasanga | | |
| | | | | | Tanda Patok dan Tanda Pilar | | |
| | | | | | Titik | | |
| | | | | | Daftar Personil | | |
| | | | | | Ketua Tim | 0.083333 | OH |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|----|--|--|-----------|--|-----------|---|--|-----------------------|---------------|----|--|---------------|----|------------------------|---------------|----|--------|---------------|----|----------------------------|---------------|----|----------------------------|---------------|----|----------------------------|---------------|----|----------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|---------------------------------|---------------|----|-----------------|---------------|----|
| | | | | n patok tanda pilar sementara (dengan kesulitan aksesibilita s berat, keamanan sedang, kondisi alam sedang) | Sementara | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <table border="1"> <tr> <td>Pelaksana</td> <td>3</td> <td></td> </tr> <tr> <td>Staff Administrasi</td> <td>0.083333 3</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL</td> <td>0.083333 3</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.500000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.750000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.500000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.166666 7</td> <td>UH</td> </tr> <tr> <td>GPS Handheld</td> <td>0.500000 0</td> <td>UH</td> </tr> </table> | Pelaksana | 3 | | Staff Administrasi | 0.083333 3 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 0.083333 3 | OH | Surveyor Pengukuran | 0.500000 0 | OH | Tukang | 0.500000 0 | OH | Tenaga Lokal (Porter 1) | 0.500000 0 | OH | Tenaga Lokal (Porter 2) | 0.500000 0 | OH | Tenaga Lokal (Porter 3) | 0.500000 0 | OH | Tenaga Lokal (Porter 4) | 0.500000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.750000 0 | UH | Kompas | 0.500000 0 | UH | Kamera Digital Geotagging | 0.166666 7 | UH | GPS Handheld | 0.500000 0 | UH |
| Pelaksana | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.083333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 0.083333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.500000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.750000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.500000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.166666 7 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Handheld | 0.500000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|--|---------------------|
| | | | | | | dan kelengkapannya | | |
| | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | Basecamp | 3.250000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.500000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .r. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.100000 0 OH |
| | | | | | | | Staff Administrasi | 0.100000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDRTL | 0.100000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.600000 0 OH |
| | | | | | | | Tukang | 0.600000 0 OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|------|
| | | | | | | Tenaga Lokal (Porter 1) | 0.600000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.600000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.600000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.600000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.900000 0 | UH |
| | | | | | | Kompas | 0.600000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.600000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.600000 0 | UH |
| | | | | | | Basecamp | 3.900000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |

| | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|
| | | | | | | c) Jumlah |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | B.7.2.1.5 .s. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik |
| | | | | | | Daftar Personil |
| | | | | | | Ketua Tim Pelaksana |
| | | | | | | 0.050000 0 |
| | | | | | | OH |
| | | | | | | Staff Administrasi |
| | | | | | | 0.050000 0 |
| | | | | | | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL |
| | | | | | | 0.050000 0 |
| | | | | | | OH |
| | | | | | | Surveyor Pengukuran |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | Tukang |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | Tenaga Lokal (Porter 1) |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | Tenaga Lokal (Porter 2) |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | Tenaga Lokal (Porter 3) |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | Tenaga Lokal (Porter 4) |
| | | | | | | 0.300000 0 |
| | | | | | | OH |
| | | | | | | a) Jumlah |
| | | | | | | Daftar Alat |
| | | | | | | Laptop |
| | | | | | | 0.450000 0 |
| | | | | | | UH |

| | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|--------------------------------------|------------------|
| | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .t. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.066666 7 OH |
| | | | | | | | Staff Administrasi | 0.066666 7 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.066666 7 OH |

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | keamanan sedang, kondisi alam sedang) | | | | Pilar Batas Negara RI-RDTL | | |
| | | | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | | | Basecamp | 2.600000 0 | UH |

| | | | | | | | | |
|--|--|--|----------------------|--|---------------------------------------|---|---|---------------------|
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .u. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.083333 3 OH |
| | | | | | | | Staff Administrasi | 0.083333 3 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 OH |
| | | | | | | | Surveyor Pengukuran | 0.500000 0 OH |
| | | | | | | | Tukang | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 OH |

| | | | | | | | | |
|--|--|--|--|--|-----------|---|---------------|----|
| | | | | n patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, keamanan ringan, kondisi alam sedang) | Sementara | | | |
| | | | | | | Pelaksana | 3 | |
| | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.066666 7 | UH |
| | | | | | | GPS Handheld | 0.200000 0 | UH |

BADAN INFORMASI
GEOSPASIAL

| | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|--|---------------|
| | | | | | | dan kelengkapannya | | |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.1.5 .w. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, keamanan sedang, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 |
| | | | | | | | Staff Administrasi | 0.050000 0 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDRTL | 0.050000 0 |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 |
| | | | | | | | Tukang | 0.300000 0 |

| | | | | | | | | | |
|---------------------------------|--|--|--|--|--|--|---------------------------------|---------------|------|
| | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| a) Jumlah | | | | | | | | | |
| Daftar Alat | | | | | | | | | |
| | | | | | | | Laptop | 0.450000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | | Basecamp | 1.650000 0 | UH |
| | | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| b) Jumlah | | | | | | | | | |
| Daftar Bahan | | | | | | | | | |
| | | | | | | | Kayu | 1.000000 0 | Unit |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Sub-Sub | | | | | | | | | |

| | | | | | | | | | |
|--|--|--|------------------|--|---------------------------------------|-------|---|---------------|----|
| | | | | | Tahapan (a+b+c) | | | | |
| | | | B.7.2.1.5 | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, keamanan berat, kondisi alam sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | .x. | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | | Kompas | 0.400000 0 | UH |

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|--|--|--|--|--|--------------------|---|------------------------|---------|
| | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | B.7.2.1.6 . | Pelaporan Reconnaissance | Laporan Reconnaissance | Dokumen |
| | | | | | | | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | OH |
| | | | | | | Staf Administrasi | 5.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 5.000000 0 | OH |

| | | | | | | | |
|--|---------|-------------|-----------|---|------------------------------------|---------|---|
| | | | | | | | a) Jumlah Alat Laptop 15.000000 00 UH b) Jumlah Bahan c) Jumlah d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | | | | | Daftar Personil Ketua Tim Pelaksana 1.000000 0 OH Staff Administrasi 1.000000 0 OH Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL 1.000000 0 OH a) Jumlah Daftar Alat Laptop 3.000000 0 UH Printer 1.000000 0 UH b) Jumlah Daftar Bahan |
| | B.7.2.2 | Staking Out | B.7.2.1.1 | Persiapan Alat dan Personil Staking Out | Dokumen kesiapan alat dan personil | Dokumen | |

| | | | | | | | | | | | |
|--|--|--|--|------------------|---|-------------------|-------|--|---|---------------|------|
| | | | | | | | | | Kertas HVS A4 | 0.200000 0 | set |
| | | | | | | | | | Tinta Printer | 0.020000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.7.2.2.2 | Pembuatan dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan ringan) | Tanda Titik Bantu | Titik | | Daftar Personil | | |
| | | | | .a. | | | | | Ketua Tim Pelaksana | 0.016666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.016666 7 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.016666 7 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | | | | | | Tukang | 0.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | | | | | | a) Jumlah | | |

| | | | | | | | | | | |
|--|--|--|--|--|--|---------------|--|---|---------------|------|
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | | | Kompas | 0.100000 0 | UH |
| | | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | | GPS Handheld dan kelengkapannya | 0.100000 0 | UH |
| | | | | | | | | Perlengkapan Flying Camp | 0.100000 0 | UH |
| | | | | | | | | Basecamp | 0.650000 0 | UH |
| | | | | | | | | Mobil di Lokasi | 0.100000 0 | UH |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Daftar Bahan | | |
| | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | | | Daftar Personil | | |
| | | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | B.7.2.2.2 .b. | Pembuatan dan pemasangan titik bantu (dengan | Tanda Titik Bantu | Titik | |

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|---|---------------|----|
| | | | | kondisi alam sedang, keamanan ringan) | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| | | | | | | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |

| | | | | | | | | |
|--|--|--|----------------------|---|-------------------|---|---|---------------|
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.2 .c. | Pembuatan dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan sedang) | Tanda Titik Bantu | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.033333 3 |
| | | | | | | | Staff Administrasi | 0.033333 3 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 |
| | | | | | | | Surveyor Pengukuran | 0.200000 0 |
| | | | | | | | Tukang | 0.200000 0 |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 |
| | | | | | | | Tenaga Lokal | 0.200000 |

| | | | | | | | | |
|--|--|--|--|--|--|---|---------------|------|
| | | | | | | (Porter 2) | 0 | |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| | | | B.7.2.2.2 | Pembuatan dan pemasangan titik bantu (dengan kondisi alam sedang, keamanan sedang) | Tanda Titik Bantu | Titik | <table border="1"> <thead> <tr> <th>Daftar Personil</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th>Daftar Alat</th> <th></th> <th></th> </tr> <tr> <td>Laptop</td> <td>0.450000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital</td> <td>0.300000 0</td> <td>UH</td> </tr> </tbody> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.050000 0 | OH | Staff Administrasi | 0.050000 0 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | Surveyor Pengukuran | 0.300000 0 | OH | Tukang | 0.300000 0 | OH | Tenaga Lokal (Porter 1) | 0.300000 0 | OH | Tenaga Lokal (Porter 2) | 0.300000 0 | OH | Tenaga Lokal (Porter 3) | 0.300000 0 | OH | Tenaga Lokal (Porter 4) | 0.300000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.450000 0 | UH | Kompas | 0.300000 0 | UH | Kamera Digital | 0.300000 0 | UH |
|---|---------------|----|------------------|---|-------------------|-------|---|------------------------|--|--|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|----------------|---------------|----|
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.450000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|----------------------|--|---|------------------------|------|
| | | | | | | Geotagging | | |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.7.2.2.2 .e. | Pembuatan dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan berat) | Tanda Titik Bantu | Titik | |
| | | | | | | | Daftar Personil | |
| | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | Surveyor Pengukuran | 0.300000 0 | OH |
| | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.450000 0 | UH |
| | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |

| | | | | | | | | | |
|--|--|--|----------------------|--|-------------------|-------|---|---------------|------|
| | | | | | | | Daftar Bahan | | |
| | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.2 .f. | Pembuatan dan pemasangan titik bantu (dengan kondisi alam sedang, keamanan berat) | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |

| | | | | | | | | |
|--|--|--|--|---|--|--|---------------|----|
| | | | | ringan, keamanan ringan) | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 0.016666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | | | Tukang | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | Kompas | 0.100000 0 | UH |
| | | | | | | GPS Handheld dan kelengkap nya | 0.100000 0 | UH |
| | | | | | | GPS Geodetik dan Kelengkapan | 0.100000 0 | UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | RDTL | | |
| | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.450000 0 | UH |
| | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | ETS | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 | UH |

| | | | | | | | | |
|--|--|--|----------------------|--|-------------------|---|---|---------------|
| | | | | | | | 0 | |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.3 .d. | Pengukuran Titik Bantu (dengan kondisi alam sedang, keamanan berat) | Tanda Titik Bantu | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.066666 7 |
| | | | | | | | Staff Administrasi | 0.066666 7 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 |
| | | | | | | | Tukang | 0.400000 0 |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 |

| | | | | | | | | |
|---------------------|--|--|--|--|--|--|---------------|----|
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| a) Jumlah | | | | | | | | |
| Daftar Alat | | | | | | | | |
| | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapan nya | 0.400000 0 | UH |
| | | | | | | GPS Geodetik dan Kelengkapan nya | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | ETS | 0.400000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |

| | | | | | | | | |
|----------------------|---|-------------------|-------|--|--|--|---|---|
| | | | | | | | | |
| | | | | | | | | c) Jumlah |
| | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | | | | | | Daftar Personil |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 OH |
| | | | | | | | Staff Administrasi | 0.050000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 OH |
| | | | | | | | Tukang | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 OH |
| | | | | | | | a) Jumlah | |
| | | | | | | | Daftar Alat | |
| | | | | | | | Laptop | 0.450000 0 UH |
| B.7.2.2.3 .e. | Pengukuran Titik Bantu (dengan kondisi alam sedang, keamanan sedang) | Tanda Titik Bantu | Titik | | | | | |

BADAN INFORMASI GEOSPASIAL

| | | | | | | | | |
|--|--|--|----------------------|-------------------------|-------------------|---|------------------------|----|
| | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | ETS | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.3 .f. | Pengukuran Titik | Tanda Titik Bantu | Titik | Daftar Personil | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----|--|--|--|--|--|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|------------------------------|---------------|----|
| | | | | Bantu (dengan kondisi alam sedang, keamanan ringan) | | | <table border="1"> <tr> <td>Ketua Tim Pelaksana</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.033333 3</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.200000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Laptop</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.200000 0</td> <td>UH</td> </tr> <tr> <td>GPS Handheld dan kelengkapan</td> <td>0.200000 0</td> <td>UH</td> </tr> </table> | Ketua Tim Pelaksana | 0.033333 3 | OH | Staff Administrasi | 0.033333 3 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH | Surveyor Pengukuran | 0.200000 0 | OH | Tukang | 0.200000 0 | OH | Tenaga Lokal (Porter 1) | 0.200000 0 | OH | Tenaga Lokal (Porter 2) | 0.200000 0 | OH | Tenaga Lokal (Porter 3) | 0.200000 0 | OH | Tenaga Lokal (Porter 4) | 0.200000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.300000 0 | UH | Kompas | 0.200000 0 | UH | GPS Handheld dan kelengkapan | 0.200000 0 | UH |
| Ketua Tim Pelaksana | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.200000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.200000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Handheld dan kelengkapan | 0.200000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|-------|---|---------------|----|
| | | | | | | | dan Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | | | Surveyor Pengolahan Data | 0.025000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.037500 0 | UH |
| | | | | | | | Software CAD berlisensi | 0.029166 7 | UH |
| | | | | | | | Software Pengolahan Data GPS Geodetik | 0.025000 0 | UH |
| | | | | | | | Basecamp | 0.037500 0 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.5 .a. | Penentuan dan pemasangan patok tanda pilar sementara | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.016666 7 | OH |
| | | | | | | | Staff Administrasi | 0.016666 7 | OH |

| | | | | | | | | | |
|--|--|--|--|---|--|--|---|---------------|----|
| | | | | (dengan kondisi alam ringan, keamanan ringan) | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.016666 7 | OH |
| | | | | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | | | | Tukang | 0.100000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | | Kompas | 0.100000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | GPS Handheld dan kelengkapannya | 0.100000 0 | UH |

| | | | | | | | | | |
|--|--|--|----------------------|--|---------------------------------------|---|---|---------------|----|
| | | | | | | Perlengkapan Flying Camp | 0.100000 0 | UH | |
| | | | | | | Basecamp | 0.650000 0 | UH | |
| | | | | | | Mobil di Lokasi | 0.100000 0 | UH | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Daftar Bahan | | | |
| | | | | | | Kayu | 1.000000 0 | Unit | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | |
| | | | B.7.2.2.5 .b. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam ringan, kemanan sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| | | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | | Tenaga Lokal | 0.200000 | OH |

| | | | | | | | | |
|--|--|--|--|--|--|---|---------------|------|
| | | | | | | (Porter 2) | 0 | |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.300000 0 | UH |
| | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----|------------------|---|---------------------------------------|-------|---|------------------------|--|--|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|--------|---------------|----|--------|---------------|----|----------------|---------------|----|
| | | | B.7.2.2.5 | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam ringan, kemanan berat) | Tanda Patok dan Tanda Pilar Sementara | Titik | <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.450000 0</td> <td>UH</td> </tr> <tr> <td>Kompas</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital</td> <td>0.300000 0</td> <td>UH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.050000 0 | OH | Staff Administrasi | 0.050000 0 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | Surveyor Pengukuran | 0.300000 0 | OH | Tukang | 0.300000 0 | OH | Tenaga Lokal (Porter 1) | 0.300000 0 | OH | Tenaga Lokal (Porter 2) | 0.300000 0 | OH | Tenaga Lokal (Porter 3) | 0.300000 0 | OH | Tenaga Lokal (Porter 4) | 0.300000 0 | OH | a) Jumlah | | | Daftar Alat | | | Laptop | 0.450000 0 | UH | Kompas | 0.300000 0 | UH | Kamera Digital | 0.300000 0 | UH |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.450000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kompas | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|----------------------|---|---------------|------------------------|
| | | | | | | Geotagging | | |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | B.7.2.2.5 .d. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam sedang, kemanan berat) | | |
| | | | | | | Tanda Patok dan Tanda Pilar Sementara | | Titik |
| | | | | | | | | Daftar Personil |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.600000 0 | UH |
| | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |

| | | | | | | | | |
|--|--|--|----------------------|--|---------------------------------------|---|---|---------------------|
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.5 .e. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam sedang, kemanan sedang) | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 OH |
| | | | | | | | Staff Administrasi | 0.050000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 OH |
| | | | | | | | Tukang | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 OH |
| | | | | | | | a) Jumlah | |
| | | | | | | Daftar Alat | | |

| | | | | | | | | | |
|--|--|--|----------------------|---|---------------------------------------|---|------------------------|---------------|----|
| | | | | | | Laptop | 0.450000 0 | UH | |
| | | | | | | Kompas | 0.300000 0 | UH | |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH | |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH | |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH | |
| | | | | | | Basecamp | 1.950000 0 | UH | |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Daftar Bahan | | | |
| | | | | | | Kayu | 1.000000 0 | Unit | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | |
| | | | B.7.2.2.5 .f. | Penentuan dan pemasangan patok tanda pilar sementara | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | Staff Administrasi | 0.033333 3 | OH |

(dengan kondisi alam sedang, kemanan ringan)

| | | |
|---|---------------|----|
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| Surveyor Pengukuran | 0.200000 0 | OH |
| Tukang | 0.200000 0 | OH |
| Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 0.300000 0 | UH |
| Kompas | 0.200000 0 | UH |
| Kamera Digital Geotagging | 0.200000 0 | UH |
| GPS Handheld dan kelengkapannya | 0.200000 0 | UH |

| | | | | | | | | |
|--|--|--|------------------|---------------------|---------------------------|---|---|---------------|
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.2.2.6 | Demobilisasi | Berita acara demobilisasi | Dokumen | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 1.000000 0 |
| | | | | | | | Staff Administrasi | 0.000000 0 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 |
| | | | | | | | Surveyor Pengukuran | 2.000000 0 |
| | | | | | | | a) Jumlah | |
| | | | | | | | Daftar Alat | |
| | | | | | | | Tiket Transportasi | 4.000000 0 |

| | | | | | | | | |
|--|--|--|------------------|------------------------------|---------------------|---|----------------|----|
| | | | | | | Mobil Bandara ke Base | 1.000000 0 | UH |
| | | | | | | Mobil Penginapan ke Bandara | 1.000000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | -- | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | OH |
| | | | | | | Staf Administrasi | 5.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 5.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 15.00000 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | B.7.2.2.7 | Pelaporan Staking Out | Laporan Staking Out | Dokumen | | |

| | | | | | | | | | | |
|---------------|--|----------------|--|------------------|--|----------------------------------|---------|---|---------------|-----|
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.7.3. | Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | B.7.3.1 | Pembuatan Kerangka Pilar Batas Negara RI-RDTL | B.7.3.1.1 | Penyiapan Alat dan Personil Pembuatan Kerangka Pilar Batas Negara RI-RDTL | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | | | | | Ketua Tim Pelaksana | 1.000000 0 | OH |
| | | | | | | | | Staff Administrasi | 1.000000 0 | OH |
| | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH |
| | | | | | | | | Surveyor Pengukuran | 2.000000 0 | OH |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | | | | | Laptop | 5.000000 0 | UH |
| | | | | | | | | Kamera Digital Geotagging | 0.000000 0 | UH |
| | | | | | | | | Printer | 1.000000 0 | UH |
| | | | | | | | | Alat Las | 0.000000 0 | UH |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Daftar Bahan | | |
| | | | | | | | | Kertas HVS | 0.200000 | set |

| | | | | | | | |
|--|--|------------------|-------------------|-------------------------|---|---|---------------|
| | | | | | A4 | 0 | |
| | | | | | Tinta Printer | 0.020000 0 | Unit |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | B.7.3.1.2 | Mobilisasi | Berita acara mobilisasi | Dokumen | Daftar Personil | |
| | | | | | | Ketua Tim Pelaksana | 1.000000 0 |
| | | | | | | Staff Administrasi | 0.000000 0 |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 |
| | | | | | | Surveyor Pengukuran | 2.000000 0 |
| | | | | | | a) Jumlah | |
| | | | | | | Daftar Alat | |
| | | | | | | Tiket Transportasi | 4.000000 0 |
| | | | | | | Mobil Base ke Bandara | 1.000000 0 |
| | | | | | | Mobil Bandara ke Penginapan | 1.000000 0 |
| | | | | | | b) Jumlah | |
| | | | | | | Daftar Bahan | |

| | | | | | | |
|------------------|---|----------------------------|---------|---|---------------|----|
| | | | | -- | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.7.3.1.3 | Belanja Bahan Kerangka Pilar dan Pilar | Dokumen ketersediaan bahan | Dokumen | Daftar Personil | | |
| . | | | | Ketua Tim Pelaksana | 2.000000 0 | OH |
| | | | | Staff Administrasi | 2.000000 0 | OH |
| | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 2.000000 0 | OH |
| | | | | a) Jumlah | | |
| | | | | Daftar Alat | | |
| | | | | Mobil di Lokasi | 2.000000 0 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | Semen | 0.000000 0 | |
| | | | | Pasir | 0.000000 0 | |
| | | | | Batu Split | 0.000000 0 | |
| | | | | Besi | 0.000000 0 | |
| | | | | Plak | 0.000000 | |

| | | | | | | | | |
|--|--|--|------------------|--|----------------|---|---|----------------------|
| | | | | | | Kuningan | 0 | |
| | | | | | | Air | 0.000000 0 | |
| | | | | | | Thinner | 0.000000 0 | |
| | | | | | | Brass Tablet | 0.000000 0 | |
| | | | | | | Paku | 0.000000 0 | |
| | | | | | | Cat | 0.000000 0 | |
| | | | | | | Papan | 0.000000 0 | |
| | | | | | | Kawat | 0.000000 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.1.4 | Pembuatan Kerangka Pilar Batas Negara RI-RDTL | Kerangka Pilar | Unit | Daftar Personil | |
| | | | . | | | | Ketua Tim Pelaksana | 0.066666 7 OH |
| | | | | | | | Staff Administrasi | 0.066666 7 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 OH |
| | | | | | | | Tukang Las | 0.133333 3 OH. |

| | | | | | | |
|--|--|--|--|--|--|---|
| | | | | | | a) Jumlah Daftar Alat Kamera Digital Geotagging 0.0666667 UH Alat Las 0.1333333 UH Mobil 0.0666667 UH b) Jumlah Daftar Bahan Besi 37.2960000 Kg Kawat 0.9324000 Kg c) Jumlah d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | | | | Personil Ketua Tim 5.0000000 OH Staf Administrasi 5.0000000 OH Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL 5.0000000 OH a) Jumlah Alat |
| | | | | | | B.7.3.1.5 Pelaporan Pembuatan Kerangka Pilar Batas Negara RI-RDTL Laporan pembuatan kerangka pilar batas negara RI-RDTL Dokumen |

| | | | | | | | | |
|----------------|--|------------------|--|----------------------------------|---------|---|----------------|-----|
| | | | | | | Laptop | 15.00000 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.7.3.2 | Pemasangan Pilar Batas Negara RI-RDTL | B.7.3.2.1 | Penyiapan Alat dan Personil Pemasangan Pilar Batas Negara RI-RDTL | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 1.000000 0 | OH |
| | | | | | | Staff Administrasi | 1.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH |
| | | | | | | Surveyor Pengukuran | 2.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 5.000000 0 | UH |
| | | | | | | Printer | 1.000000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS | 0.200000 | set |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|------------------------|------|
| | | | | | | A4 | 0 | |
| | | | | | | Tinta Printer | 0.020000 0 | Unit |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .a. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 0.016666 7 | OH |
| | | | | | | Staff Administrasi | 0.016666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.016666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | | | Tukang | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | | | a) Jumlah | | |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

| Daftar Alat | | |
|---------------------------------|-----------------|-------|
| Generator | 0.100000 0 | UH |
| Kamera Digital Geotagging | 0.100000 0 | UH |
| GPS Handheld dan kelengkapannya | 0.100000 0 | UH |
| Basecamp | 0.150000 0 | UH |
| Perlengkapan Flying Camp | 0.100000 0 | UH |
| Mobil | 0.100000 0 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 8.579861 1 | Sak |
| Pasir | 0.411833 3 | Kg |
| Batu Split | 0.617750 0 | Kg |
| Plak Kuningan | 1.000000 0 | Unit |
| Air | 214.4965 278 | Liter |
| Thinner | 0.102500 0 | Liter |
| Brass Tablet | 1.000000 0 | Unit |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|---|---------------|
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .b. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan sedang, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.033333 3 |
| | | | | | | | Staff Administrasi | 0.033333 3 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 |
| | | | | | | | Surveyor Pengukuran | 0.200000 0 |
| | | | | | | | Tukang | 0.200000 0 |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 |
| | | | | | | | Tenaga Lokal | 0.200000 |

| | | | | | | | | |
|--|--|--|--|--|--|--|---------------|-------|
| | | | | | | (Porter 3) | 0 | |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapan nya | 0.200000 0 | UH |
| | | | | | | Basecamp | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Mobil | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 | Liter |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---|------------------|
| | | | | | | | 278 | |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .c. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 OH |
| | | | | | | | Staff Administrasi | 0.050000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 OH |
| | | | | | | | Tukang | 0.300000 0 OH |

| | | | | | | | |
|--|--|--|--|--|---------------------------------|---------------|-----|
| | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.300000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | Basecamp | 0.450000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | Mobil | 0.300000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Semen | 8.579861 1 | Sak |
| | | | | | Pasir | 0.411833 3 | Kg |

| | | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|---|---------------|----|
| | | | | | | Batu Split | 0.617750 0 | Kg | |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit | |
| | | | | | | Air | 214.4965 278 | Liter | |
| | | | | | | Thinner | 0.102500 0 | Liter | |
| | | | | | | Brass Tablet | 1.000000 0 | Unit | |
| | | | | | | Paku | 0.500000 0 | Kg | |
| | | | | | | Cat | 0.512500 0 | Liter | |
| | | | | | | Papan | 7.000000 0 | Lembar | |
| | | | | | | Kawat | 0.025000 0 | Kg | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | |
| | | | B.7.3.2.2 .d. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- | 0.033333 3 | OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | RDTL | | |
| | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | Basecamp | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Mobil | 0.200000 0 | UH |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-----------------|--------|----------------------|---|----------------------|--|---------------------|--|--|-------|---------------|-----|-------|---------------|----|------------|---------------|----|---------------|---------------|------|-----|-----------------|-------|---------|---------------|-------|--------------|---------------|------|------|---------------|----|-----|---------------|-------|-------|---------------|--------|-------|---------------|----|------------------------|--|--|---------------------|---------------|----|-------|----------|----|
| | | | | | | <p>b) Jumlah</p> <table border="1"> <tr> <td>Daftar Bahan</td> <td></td> <td></td> </tr> <tr> <td>Semen</td> <td>8.579861 1</td> <td>Sak</td> </tr> <tr> <td>Pasir</td> <td>0.411833 3</td> <td>Kg</td> </tr> <tr> <td>Batu Split</td> <td>0.617750 0</td> <td>Kg</td> </tr> <tr> <td>Plak Kuningan</td> <td>1.000000 0</td> <td>Unit</td> </tr> <tr> <td>Air</td> <td>214.4965 278</td> <td>Liter</td> </tr> <tr> <td>Thinner</td> <td>0.102500 0</td> <td>Liter</td> </tr> <tr> <td>Brass Tablet</td> <td>1.000000 0</td> <td>Unit</td> </tr> <tr> <td>Paku</td> <td>0.500000 0</td> <td>Kg</td> </tr> <tr> <td>Cat</td> <td>0.512500 0</td> <td>Liter</td> </tr> <tr> <td>Papan</td> <td>7.000000 0</td> <td>Lembar</td> </tr> <tr> <td>Kawat</td> <td>0.025000 0</td> <td>Kg</td> </tr> </table> <p>c) Jumlah</p> <p>d) Standar Biaya Sub-Sub Tahapan (a+b+c)</p> <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Staff</td> <td>0.050000</td> <td>OH</td> </tr> </table> | Daftar Bahan | | | Semen | 8.579861 1 | Sak | Pasir | 0.411833 3 | Kg | Batu Split | 0.617750 0 | Kg | Plak Kuningan | 1.000000 0 | Unit | Air | 214.4965 278 | Liter | Thinner | 0.102500 0 | Liter | Brass Tablet | 1.000000 0 | Unit | Paku | 0.500000 0 | Kg | Cat | 0.512500 0 | Liter | Papan | 7.000000 0 | Lembar | Kawat | 0.025000 0 | Kg | Daftar Personil | | | Ketua Tim Pelaksana | 0.050000 0 | OH | Staff | 0.050000 | OH |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Semen | 8.579861 1 | Sak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pasir | 0.411833 3 | Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Batu Split | 0.617750 0 | Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plak Kuningan | 1.000000 0 | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air | 214.4965 278 | Liter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thinner | 0.102500 0 | Liter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brass Tablet | 1.000000 0 | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paku | 0.500000 0 | Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cat | 0.512500 0 | Liter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Papan | 7.000000 0 | Lembar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kawat | 0.025000 0 | Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff | 0.050000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | B.7.3.2.2 .e. | Pemasangan Pilar di Lapangan (dengan kesulitan | Bangunan Fisik Pilar | Titik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|---|---------------|----|
| | | | | aksesibilitas rendah, keamanan sedang, kondisi alam sedang) | | | | |
| | | | | | | Administrasi | 0 | |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH |
| | | | | | | Surveyor Pengukuran | 0.300000 0 | OH |
| | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Basecamp | 0.450000 | UH |

| | | | | | | | | |
|---|--|--|--|--|--|--------------------------|-----------------|--------|
| | | | | | | | 0 | |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Mobil | 0.300000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | | |

| | | | B.7.3.2.2 .f. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | <table border="1"> <thead> <tr> <th>Daftar Personil</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0666667</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0666667</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.0666667</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.4000000</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th>Daftar Alat</th> <th></th> <th></th> </tr> <tr> <td>Generator</td> <td>0.4000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.4000000</td> <td>UH</td> </tr> <tr> <td>GPS</td> <td>0.4000000</td> <td>UH</td> </tr> </tbody> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0666667 | OH | Staff Administrasi | 0.0666667 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.0666667 | OH | Surveyor Pengukuran | 0.4000000 | OH | Tukang | 0.4000000 | OH | Tenaga Lokal (Porter 1) | 0.4000000 | OH | Tenaga Lokal (Porter 2) | 0.4000000 | OH | Tenaga Lokal (Porter 3) | 0.4000000 | OH | Tenaga Lokal (Porter 4) | 0.4000000 | OH | a) Jumlah | | | Daftar Alat | | | Generator | 0.4000000 | UH | Kamera Digital Geotagging | 0.4000000 | UH | GPS | 0.4000000 | UH |
|---|-----------|----|----------------------|--|----------------------|-------|--|------------------------|--|--|---------------------|-----------|----|--------------------|-----------|----|---|-----------|----|---------------------|-----------|----|--------|-----------|----|-------------------------|-----------|----|-------------------------|-----------|----|-------------------------|-----------|----|-------------------------|-----------|----|------------------|--|--|--------------------|--|--|-----------|-----------|----|---------------------------|-----------|----|-----|-----------|----|
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0666667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0666667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.0666667 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.4000000 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generator | 0.4000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.4000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS | 0.4000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|--|--|--|-----------------------------|-----------------|--------|
| | | | | | Handheld dan kelengkapannya | 0 | |
| | | | | | Basecamp | 0.600000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | Mobil | 0.400000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Semen | 8.579861 1 | Sak |
| | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | Air | 214.4965 278 | Liter |
| | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | Paku | 0.500000 0 | Kg |
| | | | | | Cat | 0.512500 0 | Liter |
| | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | Kawat | 0.025000 | Kg |

| | | | | | | | | |
|--|--|--|------------------|---|----------------------|---|---|---------------------|
| | | | | | | | 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | .g. | | | | Ketua Tim Pelaksana | 0.033333 3 OH |
| | | | | | | | Staff Administrasi | 0.033333 3 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 OH |
| | | | | | | | Surveyor Pengukuran | 0.200000 0 OH |
| | | | | | | | Tukang | 0.200000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 OH |
| | | | | | | | a) Jumlah | |
| | | | | | | | Daftar Alat | |
| | | | | | | | Generator | 0.200000 UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|-----------------|-------|
| | | | | | | | 0 | |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | Basecamp | 0.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | Mobil | 0.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|---|---------------------|
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .h. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan sedang, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 OH |
| | | | | | | | Staff Administrasi | 0.050000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 OH |
| | | | | | | | Tukang | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 OH |
| | | | | | | | Tenaga Lokal | 0.300000 0 OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|-----------------|-------|
| | | | | | | (Porter 4) | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Basecamp | 0.450000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Mobil | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 | Liter |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---------------|--------|
| | | | | | | | 0 | |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .i. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | | |
| | | | | | | | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|------|
| | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Basecamp | 0.200000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Mobil | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |

| | | | | | | | | |
|--|--|--|--------------------------|---|----------------------|---|---|---------------------|
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .j. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.050000 0 OH |
| | | | | | | | Staff Administrasi | 0.050000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 OH |
| | | | | | | | Surveyor Pengukuran | 0.300000 0 OH |
| | | | | | | | Tukang | 0.300000 OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|-----|
| | | | | | | | 0 | |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | Basecamp | 0.450000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Mobil | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 | Kg |

| | | | | | | | | | |
|--|--|--|----------------------|---|----------------------|-------|--|-----------------|--------|
| | | | | | | | | 3 | |
| | | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .k. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan sedang, kondisi alam | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas | 0.066666 7 | OH |

| | | | | | | | | | |
|--|--|--|----------------|--|--|--|--|---------------|----|
| | | | sedang) | | | | Negara RI- RDTL | | |
| | | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | GPS Handheld dan kelengkapan nya | 0.400000 0 | UH |
| | | | | | | | Basecamp | 0.600000 0 | UH |
| | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | | Mobil | 0.400000 0 | UH |

| | | | | | | |
|--|--|--|----------------------|---|----------------------|---|
| | | | | | | b) Jumlah |
| | | | | | | Daftar Bahan |
| | | | | | | Semen 8.579861 1 Sak |
| | | | | | | Pasir 0.411833 3 Kg |
| | | | | | | Batu Split 0.617750 0 Kg |
| | | | | | | Plak Kuningan 1.000000 0 Unit |
| | | | | | | Air 214.4965 278 Liter |
| | | | | | | Thinner 0.102500 0 Liter |
| | | | | | | Brass Tablet 1.000000 0 Unit |
| | | | | | | Paku 0.500000 0 Kg |
| | | | | | | Cat 0.512500 0 Liter |
| | | | | | | Papan 7.000000 0 Lembar |
| | | | | | | Kawat 0.025000 0 Kg |
| | | | | | | c) Jumlah |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | | | | Daftar Personil |
| | | | | | | Ketua Tim Pelaksana 0.083333 3 OH |
| | | | | | | Staff 0.083333 OH |
| | | | B.7.3.2.2 .1. | Pemasangan Pilar di Lapangan (dengan kesulitan | Bangunan Fisik Pilar | Titik |

| | | | | | | | | |
|--|--|--|--|---|--|---|---------------|----|
| | | | | aksesibilitas sedang, keamanan berat, kondisi alam sedang) | | | | |
| | | | | | | Administrasi | 3 | |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 | OH |
| | | | | | | Surveyor Pengukuran | 0.500000 0 | OH |
| | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | Basecamp | 0.750000 | UH |

| | | | | | | | | |
|---|--|--|--|--|--|--------------------------|-----------------|--------|
| | | | | | | | 0 | |
| | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | Mobil | 0.500000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | | |

| | | | B.7.3.2.2 .m. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | <table border="1"> <thead> <tr> <th>Daftar Personil</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.050000 0</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>0.300000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <th>Daftar Alat</th> <th></th> <th></th> </tr> <tr> <td>Generator</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.300000 0</td> <td>UH</td> </tr> <tr> <td>GPS</td> <td>0.300000</td> <td>UH</td> </tr> </tbody> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.050000 0 | OH | Staff Administrasi | 0.050000 0 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | Surveyor Pengukuran | 0.300000 0 | OH | Tukang | 0.300000 0 | OH | Tenaga Lokal (Porter 1) | 0.300000 0 | OH | Tenaga Lokal (Porter 2) | 0.300000 0 | OH | Tenaga Lokal (Porter 3) | 0.300000 0 | OH | Tenaga Lokal (Porter 4) | 0.300000 0 | OH | a) Jumlah | | | Daftar Alat | | | Generator | 0.300000 0 | UH | Kamera Digital Geotagging | 0.300000 0 | UH | GPS | 0.300000 | UH |
|---|---------------|----|----------------------|--|----------------------|-------|--|------------------------|--|--|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|-----------|---------------|----|---------------------------|---------------|----|-----|----------|----|
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.050000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 0.300000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generator | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.300000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS | 0.300000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|-----------------------------|-----------------|--------|
| | | | | | | Handheld dan kelengkapannya | 0 | |
| | | | | | | Basecamp | 0.450000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | Mobil | 0.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 | Kg |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---|-----------------|
| | | | | | | | 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .n. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.0666667 OH |
| | | | | | | | Staff Administrasi | 0.0666667 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.0666667 OH |
| | | | | | | | Surveyor Pengukuran | 0.4000000 OH |
| | | | | | | | Tukang | 0.4000000 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 OH |
| | | | | | | | a) Jumlah | |
| | | | | | | | Daftar Alat | |
| | | | | | | | Generator | 0.4000000 UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|-----------------|-------|
| | | | | | | | 0 | |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | Basecamp | 0.600000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | Mobil | 0.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|---|------------------|
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .o. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.083333 3 OH |
| | | | | | | | Staff Administrasi | 0.083333 3 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 OH |
| | | | | | | | Surveyor Pengukuran | 0.500000 0 OH |
| | | | | | | | Tukang | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 OH |
| | | | | | | | Tenaga Lokal | 0.500000 OH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|-----------------|-------|
| | | | | | | (Porter 4) | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | Mobil | 0.500000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 | Liter |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---------------|--------|
| | | | | | | | 0 | |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .p. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | | |
| | | | | | | | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |

| | | | | | | | |
|--|--|--|--|--|---------------------------------|---------------|-----|
| | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.400000 0 | UH |
| | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | Basecamp | 0.600000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | Mobil | 0.400000 0 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | Semen | 8.579861 1 | Sak |
| | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | Batu Split | 0.617750 0 | Kg |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---|---------------------|
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .q. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.083333 3 OH |
| | | | | | | | Staff Administrasi | 0.083333 3 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 OH |
| | | | | | | | Surveyor | 0.500000 OH |

| | | | | | | | | |
|--|--|--|--|--|--|--|---------------|-----|
| | | | | | | Pengukuran | 0 | |
| | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapan nya | 0.500000 0 | UH |
| | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | Mobil | 0.500000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 | Sak |

| | | | | | | | | |
|--|--|--|------------------|--|----------------------|---|---------------------------|------------------|
| | | | | | | | 1 | |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | .r. | | | | | |
| | | | | | | | Ketua Tim Pelaksana | 0.100000 0 OH |
| | | | | | | | Staff Administrasi | 0.100000 0 OH |
| | | | | | | | Koordinator Pembuatan dan | 0.100000 0 OH |

| | | | | | | | | | |
|--|--|--|--|-----------------------------|--|--|---------------------------------------|---------------|----|
| | | | | kondisi alam sedang) | | | Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | | | Surveyor Pengukuran | 0.600000 0 | OH |
| | | | | | | | Tukang | 0.600000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.600000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.600000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.600000 0 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.600000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Generator | 0.600000 0 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.600000 0 | UH |
| | | | | | | | GPS Handheld dan kelengkapannya | 0.600000 0 | UH |
| | | | | | | | Basecamp | 0.900000 0 | UH |
| | | | | | | | Perlengkapan Flying Camp | 0.600000 0 | UH |
| | | | | | | | Mobil | 0.600000 | UH |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---------------------|---|--------|
| | | | | | | | 0 | |
| | | | | | | | b) Jumlah | |
| | | | | | | | Daftar Bahan | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | | c) Jumlah | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | |
| | | | | | | | Daftar Personil | |
| | | | | | | Ketua Tim Pelaksana | 0.183333 3 | OH |
| | | | B.7.3.2.2 .s. | Pemasangan Pilar di Lapangan (dengan | Bangunan Fisik Pilar | Titik | | |

| | | | | | | | | |
|--|--|--|--|--|--|---|---------------|----|
| | | | kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam ringan) | | | Staff Administrasi | 0.183333 3 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.183333 3 | OH |
| | | | | | | Surveyor Pengukuran | 1.100000 0 | OH |
| | | | | | | Tukang | 1.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 1.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 1.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 1.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 1.100000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Generator | 1.100000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 1.100000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 1.100000 0 | UH |
| | | | | | | GPS Handheld dan | 1.100000 0 | UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------|-----------------|------------|
| | | | | | | kelengkapan nya | | |
| | | | | | | Basecamp | 4.950000 0 | UH |
| | | | | | | Mobil | 1.100000 0 | UH |
| | | | | | | Helikopter | 1.100000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lemba r |
| | | | | | | Kawat | 0.025000 0 | Kg |

| | | | | | | |
|--|--|--|------------------|---|----------------------|--|
| | | | | | | c) Jumlah |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) |
| | | | B.7.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam ringan) | Bangunan Fisik Pilar | Titik |
| | | | .t. | | | |
| | | | | | | Daftar Personil |
| | | | | | | Ketua Tim Pelaksana 0.200000 0 OH |
| | | | | | | Staff Administrasi 0.200000 0 OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL 0.200000 0 OH |
| | | | | | | Surveyor Pengukuran 1.200000 0 OH |
| | | | | | | Tukang 1.200000 0 OH |
| | | | | | | Tenaga Lokal (Porter 1) 1.200000 0 OH |
| | | | | | | Tenaga Lokal (Porter 2) 1.200000 0 OH |
| | | | | | | Tenaga Lokal (Porter 3) 1.200000 0 OH |
| | | | | | | Tenaga Lokal (Porter 4) 1.200000 0 OH |
| | | | | | | a) Jumlah |
| | | | | | | Daftar Alat |
| | | | | | | Generator 1.200000 0 UH |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|-----------------|-------|
| | | | | | | Kamera Digital Geotagging | 1.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 1.200000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 1.200000 0 | UH |
| | | | | | | Basecamp | 5.400000 0 | UH |
| | | | | | | Mobil | 1.200000 0 | UH |
| | | | | | | Helikopter | 1.200000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 | Kg |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|---|---------------|
| | | | | | | | 0 | |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .u. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan berat, kondisi alam ringan) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.216666 7 |
| | | | | | | | Staff Administrasi | 0.216666 7 |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.216666 7 |
| | | | | | | | Surveyor Pengukuran | 1.300000 0 |
| | | | | | | | Tukang | 1.300000 0 |
| | | | | | | | Tenaga Lokal (Porter 1) | 1.300000 0 |
| | | | | | | | Tenaga Lokal (Porter 2) | 1.300000 0 |
| | | | | | | | Tenaga Lokal (Porter 3) | 1.300000 0 |

| | | | | | | | | |
|---------------------|--|--|--|--|--|--|---------------|------|
| | | | | | | Tenaga Lokal (Porter 4) | 1.300000 0 | OH |
| a) Jumlah | | | | | | | | |
| Daftar Alat | | | | | | | | |
| | | | | | | Generator | 1.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 1.300000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 1.300000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 1.300000 0 | UH |
| | | | | | | Basecamp | 5.850000 0 | UH |
| | | | | | | Mobil | 1.300000 0 | UH |
| | | | | | | Helikopter | 1.300000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |

| | | | | | | | | |
|--|--|--|----------------------|---|----------------------|---|---|---------------------|
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .v. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam sedang) | Bangunan Fisik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.200000 0 OH |
| | | | | | | | Staff Administrasi | 0.200000 0 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.200000 0 OH |
| | | | | | | | Surveyor Pengukuran | 1.200000 0 OH |
| | | | | | | | Tukang | 1.200000 OH |

| | | | | | | | | |
|---------------------|--|--|--|--|--|---------------------------------|---------------|-----|
| | | | | | | | 0 | |
| | | | | | | Tenaga Lokal (Porter 1) | 1.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 1.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 1.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 1.200000 0 | OH |
| a) Jumlah | | | | | | | | |
| Daftar Alat | | | | | | | | |
| | | | | | | Generator | 1.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 1.200000 0 | UH |
| | | | | | | GPS Handheld dan kelengkapannya | 1.200000 0 | UH |
| | | | | | | Perlengkapan Flying Camp | 1.200000 0 | UH |
| | | | | | | Basecamp | 5.400000 0 | UH |
| | | | | | | Mobil | 1.200000 0 | UH |
| | | | | | | Helikopter | 1.200000 0 | UH |
| b) Jumlah | | | | | | | | |
| Daftar Bahan | | | | | | | | |
| | | | | | | Semen | 8.579861 | Sak |

| | | | | | | | | |
|--|--|--|----------------------|--|----------------------|---|-----------------|--------|
| | | | | | | | 1 | |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .w. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan sedang, | Bangunan Fisik Pilar | Titik | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.216666 7 | OH |
| | | | | | | Staff Administrasi | 0.216666 7 | OH |
| | | | | | | Koordinator Pembuatan dan | 0.216666 7 | OH |

| | | | | | | | |
|--|--|--|-----------------------------|--|---------------------------------------|---------------|----|
| | | | kondisi alam sedang) | | Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | Surveyor Pengukuran | 1.300000 0 | OH |
| | | | | | Tukang | 1.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 1.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 1.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 1.300000 0 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 1.300000 0 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 1.300000 0 | UH |
| | | | | | Kamera Digital Geotagging | 1.300000 0 | UH |
| | | | | | GPS Handheld dan kelengkapannya | 1.300000 0 | UH |
| | | | | | Perlengkapan Flying Camp | 1.300000 0 | UH |
| | | | | | Basecamp | 5.850000 0 | UH |
| | | | | | Mobil | 1.300000 | UH |

| | | | | | | | | |
|--|--|--|----------------------|----------------------------|----------------------|---|------------------------|--------|
| | | | | | | | 0 | |
| | | | | | | Helikopter | 1.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.2 .x. | Pemasangan Pilar di | Bangunan Fisik Pilar | Titik | Daftar Personil | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----|---|--|--|---|---------------------|---------------|----|--------------------|---------------|----|---|---------------|----|---------------------|---------------|----|--------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|-------------------------|---------------|----|------------------|--|--|--------------------|--|--|-----------|---------------|----|---------------------------|---------------|----|------------------|---------------|----|
| | | | Lapangan (dengan kesulitan aksesibilita s khusus, keamanan berat, kondisi alam sedang) | | | <table border="1"> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>0.233333 3</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.233333 3</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL</td> <td>0.233333 3</td> <td>OH</td> </tr> <tr> <td>Surveyor Pengukuran</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td>Tukang</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 1)</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 2)</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 3)</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td>Tenaga Lokal (Porter 4)</td> <td>1.400000 0</td> <td>OH</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Daftar Alat</td> </tr> <tr> <td>Generator</td> <td>1.400000 0</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>1.400000 0</td> <td>UH</td> </tr> <tr> <td>GPS Handheld dan</td> <td>1.400000 0</td> <td>UH</td> </tr> </tbody> </table> | Ketua Tim Pelaksana | 0.233333 3 | OH | Staff Administrasi | 0.233333 3 | OH | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.233333 3 | OH | Surveyor Pengukuran | 1.400000 0 | OH | Tukang | 1.400000 0 | OH | Tenaga Lokal (Porter 1) | 1.400000 0 | OH | Tenaga Lokal (Porter 2) | 1.400000 0 | OH | Tenaga Lokal (Porter 3) | 1.400000 0 | OH | Tenaga Lokal (Porter 4) | 1.400000 0 | OH | a) Jumlah | | | Daftar Alat | | | Generator | 1.400000 0 | UH | Kamera Digital Geotagging | 1.400000 0 | UH | GPS Handheld dan | 1.400000 0 | UH |
| Ketua Tim Pelaksana | 0.233333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.233333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.233333 3 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pengukuran | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tukang | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 1) | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 2) | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 3) | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tenaga Lokal (Porter 4) | 1.400000 0 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generator | 1.400000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 1.400000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Handheld dan | 1.400000 0 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|-----------------------------|-----------------|--------|
| | | | | | | kelengkapan nya | | |
| | | | | | | Perlengkapan Flying Camp | 1.400000 0 | UH |
| | | | | | | Basecamp | 6.300000 0 | UH |
| | | | | | | Mobil | 1.400000 0 | UH |
| | | | | | | Helikopter | 1.400000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Semen | 8.579861 1 | Sak |
| | | | | | | Pasir | 0.411833 3 | Kg |
| | | | | | | Batu Split | 0.617750 0 | Kg |
| | | | | | | Plak Kuningan | 1.000000 0 | Unit |
| | | | | | | Air | 214.4965 278 | Liter |
| | | | | | | Thinner | 0.102500 0 | Liter |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Paku | 0.500000 0 | Kg |
| | | | | | | Cat | 0.512500 0 | Liter |
| | | | | | | Papan | 7.000000 0 | Lembar |

| | | | | | | | | |
|--|--|------------------|---------------------|---------------------------|---------|---|---------------|----|
| | | | | | | Kawat | 0.025000 0 | Kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | B.7.3.2.3 | Demobilisasi | Berita acara demobilisasi | Dokumen | Daftar Personil | | |
| | | . | | | | Ketua Tim Pelaksana | 1.000000 0 | OH |
| | | | | | | Staff Administrasi | 0.000000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH |
| | | | | | | Surveyor Pengukuran | 2.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Tiket Transportasi | 4.000000 0 | UH |
| | | | | | | Mobil Bandara ke Base | 1.000000 0 | UH |
| | | | | | | Mobil Penginapan ke Bandara | 1.000000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |

| | | | | | | | | | |
|---------------|---|----------------|--|--|---|---------|---|----------------|----|
| | | | | | | | -- | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | B.7.3.2.4 | Pelaporan Pemasangan Pilar Batas Negara RI-RDTL | Laporan pemasangan pilar batas negara RI-RDTL | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.000000 0 | OH |
| | | | | | | | Staf Administrasi | 5.000000 0 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 5.000000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 15.00000 00 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.7.4. | Pembuatan Deskripsi Pilar Batas Negara | B.7.4.1 | Penyiapan Alat dan Personil Pembuatan Deskripsi Pilar Batas | | Dokumen hasil penyiapan alat dan personil | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 1.000000 0 | OH |
| | | | | | | | Staff Administrasi | 1.000000 0 | OH |

| | | | | | | | | | | |
|---------------------------------|----------------|--|-----------------------|--|--|--|--|---|---------------|------|
| | RI-RDTL | | Negara RI-RDTL | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 1.000000 0 | OH |
| a) Jumlah | | | | | | | | | | |
| Daftar Alat | | | | | | | | | | |
| Laptop | | | | | | | | | 2.000000 0 | UH |
| Printer | | | | | | | | | 1.000000 0 | UH |
| GPS Handheld dan Kelengkapannya | | | | | | | | | 1.000000 0 | UH |
| Kamera Digital Geotagging | | | | | | | | | 0.000000 0 | UH |
| Mobil di Lokasi | | | | | | | | | 0.000000 0 | UH |
| Basecamp | | | | | | | | | 0.000000 0 | UH |
| b) Jumlah | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | |
| Kertas HVS A4 | | | | | | | | | 0.200000 0 | set |
| Tinta Printer | | | | | | | | | 0.020000 0 | Unit |
| c) Jumlah | | | | | | | | | | |

| | | | | | | | | |
|------------------------------|---|--|--|-------------------------|---------|---|---------------|----|
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.4.2 .a. | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi Alam Berat dan Kondisi Keamanan Berat) | | | Dokumen Deskripsi Pilar | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.083333 3 | OH |
| | | | | | | Staff Administrasi | 0.083333 3 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.083333 3 | OH |
| | | | | | | Surveyor Pengukuran | 0.500000 0 | OH |
| | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.250000 0 | UH |
| | | | | | | GPS Handheld | 0.500000 0 | UH |

| | | | | | | | | |
|--|-------------------|--|--|--|-------------------------|---|---------------|----|
| | | | | | | dan Kelengkapannya | | |
| | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.500000 0 | UH |
| | | | | | | Basecamp | 3.250000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | Tukang | 0.400000 0 | OH |
| | B.7.4.2 .b | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi Alam Berat dan Kondisi Keamanan Sedang) | | | Dokumen Deskripsi Pilar | Dokumen | | |

| | | | | | | | | |
|--------------------|-------------------------|--|--|-------------------|---------|---|---------------|----|
| | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.4.2 .c. | Survei Pembuatan | | | Dokumen Deskripsi | Dokumen | Daftar Personil | | |

| | | | | | | | | |
|--|--|---|--|--------------|--|--|-----------------------|-----------|
| | | <p>Deskripsi Pilar Batas Negara RI- RDTL (dengan Kondisi Alam Berat dan Kondisi Keamanan Ringan)</p> | | <p>Pilar</p> | | <p>Ketua Tim Pelaksana</p> | <p>0.050000 0</p> | <p>OH</p> |
| | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 0.050000 0 | OH |
| | | | | | | Surveyor Pengukuran | 0.300000 0 | OH |
| | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.300000 0 | UH |
| | | | | | | Kamera | 0.300000 | UH |

| | | | | | | | | |
|--|--------------------|--|--|--|-------------------------|---|---------------|----|
| | | | | | | Digital Geotagging | 0 | |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.066666 7 | OH |
| | | | | | | Surveyor Pengukuran | 0.400000 0 | OH |
| | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal | 0.400000 | OH |
| | B.7.4.2 .d. | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi Alam Sedang dan Kondisi Keamanan Berat) | | | Dokumen Deskripsi Pilar | Dokumen | | |

| | | | | | | | | |
|--|--------------------|--|--|--|-------------------------|---|---------------|----|
| | | | | | | (Porter 2) | 0 | |
| | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.200000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.400000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | Basecamp | 2.600000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | Staff | 0.050000 | OH |
| | B.7.4.2 .e. | Survei Pembuatan Deskripsi Pilar Batas Negara RI- | | | Dokumen Deskripsi Pilar | Dokumen | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|---------------|----|
| | | RDTL (dengan Kondisi Alam Sedang dan Kondisi Keamanan Sedang) | | | | Administrasi | 0 | |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI- RDTL | 0.050000 0 | OH |
| | | | | | | Surveyor Pengukuran | 0.300000 0 | OH |
| | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | Mobil di | 0.300000 | UH |

| | | | | | | | | |
|--------------------|---|--|--|-------------------------|---------|---|---------------|----|
| | | | | | | Lokasi | 0 | |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| B.7.4.2 .f. | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi Alam Sedang dan Kondisi Keamanan Ringan) | | | Dokumen Deskripsi Pilar | Dokumen | | | |

| | | | | | | | | |
|--|--------------------|--|--|--|-------------------------|---|---------------|----|
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.100000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | Koordinator Pembuatan | 0.050000 0 | OH |
| | B.7.4.2 .g. | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi | | | Dokumen Deskripsi Pilar | Dokumen | | |

| | | | | | | | | |
|--|--|--|--|--|--|---|---------------|----|
| | | Alam Ringan dan Kondisi Keamanan Berat) | | | | dan Pemasangan Pilar Batas Negara RI-RDTL | | |
| | | | | | | Surveyor Pengukuran | 0.300000 0 | OH |
| | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.150000 0 | UH |
| | | | | | | Software Pengolah Data GPS Handheld | 0.300000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.300000 0 | UH |
| | | | | | | Basecamp | 1.950000 0 | UH |
| | | | | | | b) Jumlah | | |

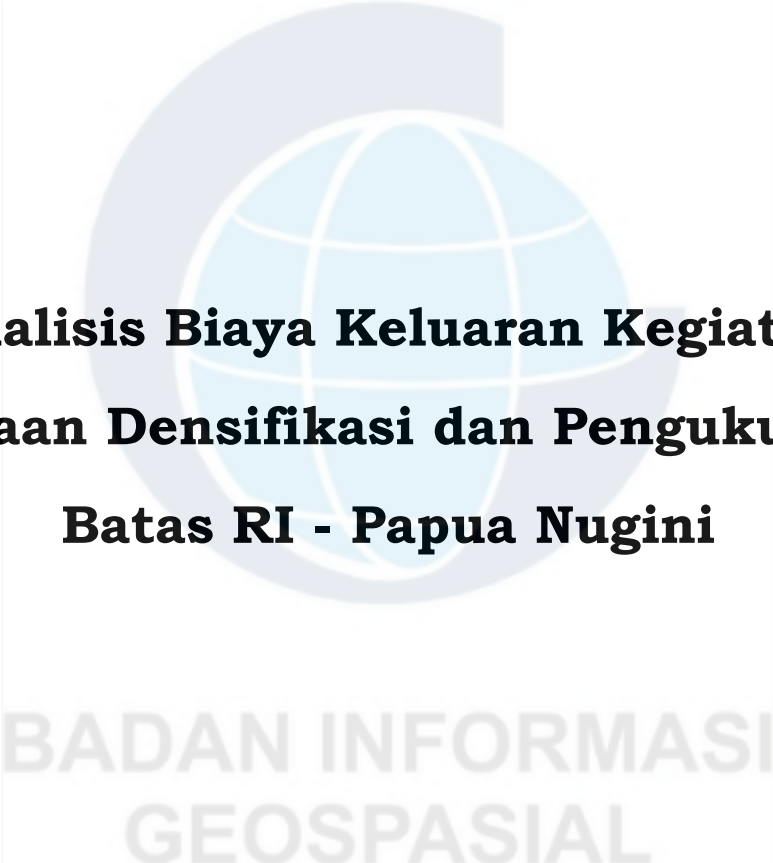
| | | | | | | | | |
|----------------|---|--|--|-------------------------|---------|---|---------------|----|
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.4.2 | Survei Pembuatan Deskripsi Pilar Batas Negara RI-RDTL (dengan Kondisi Alam Ringan dan Kondisi Keamanan Sedang) | | | Dokumen Deskripsi Pilar | Dokumen | Daftar Personil | | |
| .h. | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 0.033333 3 | OH |
| | | | | | | Surveyor Pengukuran | 0.200000 0 | OH |
| | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |

| | | | | | | | | |
|--|----------------|----------------------------|--|--|-----------|---|---------------|----|
| | | | | | | Laptop | 0.100000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapan nya | 0.200000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | Basecamp | 1.300000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | B.7.4.2 | Survei | | | Dokumen | Daftar | | |
| | .i. | Pembuatan | | | Deskripsi | Personil | | |
| | | Deskripsi | | | Pilar | Ketua Tim | 0.016666 7 | OH |
| | | Pilar Batas | | | | Staff | 0.016666 7 | OH |
| | | Negara RI- RDTL | | | | Koordinator | 0.016666 7 | OH |
| | | (dengan | | | | Pembuatan | | |
| | | Kondisi | | | | dan | | |
| | | Alam | | | | Pemasangan | | |
| | | Ringan dan | | | | Pilar Batas | | |
| | | Kondisi | | | | Negara RI- RDTL | | |
| | | Keamanan | | | | | | |
| | | Ringan) | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|---------------------------------|---------------|----|
| | | | | | | Surveyor Pengukuran | 0.100000 0 | OH |
| | | | | | | Tukang | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 1) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 3) | 0.100000 0 | OH |
| | | | | | | Tenaga Lokal (Porter 4) | 0.100000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.050000 0 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.100000 0 | UH |
| | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | Mobil di Lokasi | 0.100000 0 | UH |
| | | | | | | Basecamp | 0.650000 0 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| | | | | | | | | | |
|---------------|---|---|--|--|--|---|---|----------------|----|
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | B.7.4.3 | Pelaporan Pembuatan Deskripsi Pilar Batas Negara RI-RDTL | | | Laporan Pembuatan Deskripsi Pilar Batas Negara RI-RDTL | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 5.000000 0 | OH |
| | | | | | | | Staff Administrasi | 5.000000 0 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas Negara RI-RDTL | 5.000000 0 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 10.00000 00 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.7.5. | Pelaporan Akhir Pembuatan dan Pemasangan Pilar Batas | | | | Laporan Hasil dan Album Peta | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 14.00000 00 | OH |
| | | | | | | | Staf Administrasi | 14.00000 00 | OH |
| | | | | | | | a) Jumlah | | |

| | | | | | | | |
|---|-----------------------|-----------|-----|-------------|--|--|--|
| Negara Perbatasan n RI- RDTL | | | | | | | |
| | Daftar Alat | | | | | | |
| | Laptop | 28.000000 | | UH | | | |
| | Printer | 14.000000 | | UH | | | |
| | b) Jumlah | | | | | | |
| | Daftar Bahan | | | | | | |
| | Kertas HVS A4 | 2.000000 | | Rim | | | |
| | ATK | 1.000000 | | Set | | | |
| | Penjilidan A4 | 11.000000 | | Rang kap | | | |
| | Harddisk Eksternal | 1.000000 | | Unit | | | |
| Tinta Printer | 0.200000 | | Set | | | | |
| c) Jumlah | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |



Analisis Biaya Keluaran Kegiatan
g. Pekerjaan Densifikasi dan Pengukuran Pilar
Batas RI - Papua Nugini

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG dipengaruhi oleh faktor produktifitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemotretan Udara menggunakan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG:

1. Faktor Keamanan

Faktor keamanan adalah salah satu faktor penghambat pekerjaan dilapangan terkait dengan kondisi lingkungan yang dijadikan lokasi tujuan survei. Faktor keamanan ini dikelaskan menjadi 3, yaitu:

Keamanan Berat : Merupakan kondisi dimana masyarakat setempat melarang kegiatan survei dilaksanakan dan pihak satgas pamtas tidak dapat menjamin pelaksanaan.

Keamanan Sedang : Merupakan kondisi dimana Pihak satgas pamtas dapat menjamin keamanan pelaksanaan dengan kondisi2 tertentu. Misal : pelaksanaan tidak dapat dilaksanakan pada hari Ibadah.

Keamanan Ringan : Merupakan kondisi dimana tidak ada hambatan terkait keamanan.

2. Faktor Alam

Faktor alam juga merupakan salah satu faktor penghambat pekerjaan dilapangan. Faktor alam ini berkaitan dengan bencana alam yang dapat terjadi di lapangan. Faktor alam dikelaskan menjadi 3, yaitu:

Alam Berat : Merupakan kondisi ketika dilapangan terjadi bencana longsor, banjir, badai sehingga tidak dapat dilaksanakan survey.

Alam Sedang : Merupakan kondisi ketika dilapangan terjadi hujan, angin ribut sehingga menghambat mobilisasi di lapangan.

Alam Ringan : Merupakan kondisi ketika tidak ada hambatan terkait kondisi alam yang telah disebutkan pada dua kelas sebelumnya.

3. Faktor Cuaca

Faktor lokasi merupakan faktor yang menghambat mobilitas menuju lokasi tujuan survei. Faktor lokasi dikelaskan menjadi 4, yaitu:

Lokasi Khusus : Merupakan kondisi dimana untuk mencapai lokasi hanya dapat dijangkau dengan transportasi udara.

Lokasi Berat : Merupakan kondisi dimana untuk mencapai lokasi ditempuh dengan waktu diatas 2 hari.

Lokasi Medium : Merupakan kondisi dimana untuk mencapai lokasi ditempuh dengan waktu dibawah 2 hari.

Lokasi Ringan : Merupakan kondisi dimana lokasi dapat dicapai dengan kendaraan roda 4.

4. Faktor Koordinasi

Faktor koordinasi merupakan faktor yang dipengaruhi oleh pihak negara tetangga dalam kesiapan untuk melakukan survey bersama. Faktor koordinasi dikelaskan menjadi 3, yaitu:

Koordinasi Tidak Berjalan : Merupakan kondisi apabila tim survei negara tetangga tidak dapat datang tidak berkoordinasi dengan satgas pamtasnya. Sehingga tim survei tidak dapat melaksanakan pekerjaan karena tidak mendapatkan ijin masalah keamanan.

Koordinasi Berjalan Lambat : Merupakan kondisi apabila tim survei negara tetangga tidak dapat datang ke lapangan tetapi sudah berkoordinasi dengan satgas pamtas sebelah, sehingga masih dapat mengawal jalannya survei. Menjadi lambat karena tidak dapat pengambil keputusan secepatnya dilapangan.

Koordinasi Lancar : Merupakan kondisi dimana tim survei negara tetangga hadir dalam survey.

Tabel berikut menunjukkan besaran koefisien pada Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG:

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|---|----------|---|------|-----------------|--------|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.1. | Persiapan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | B.9.1.1. | Pembuatan Rencana Detail Kegiatan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | Dokumen Rencana Kegiatan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000000 | OH |
| | | | | | | | | | Staff Administrasi | 2.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Mobil | 2.0000000 | UH |
| | | | | | | | | | Laptop | 6.0000000 | UH |
| Kamera Digital Geotagging | 2.0000000 | UH | | | | | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|-----------------|--|------|-----------------|--------|--|----------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Printer | 2.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.2000 000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0200 000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.9.1.2. | Penyiapan Alat dan Personil Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | Dokumen hasil persiapan alat dan personil | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000 000 | OH |
| | | | | | | | | | Staff Administrasi | 2.0000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 2.0000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 6.0000 000 | UH |
| | | | | | | | | | Workstation PC | 0.0000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|-----------------|--|------|-----------------|--------|----------------------------|----------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Mobil di Lokasi | 0.0000 000 | UH |
| | | | | | | | | | Tiket Transportasi | 0.0000 000 | UH |
| | | | | | | | | | Basecamp | 0.0000 000 | UH |
| | | | | | | | | | Gergaji Mesin | 0.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200 000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020 000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.9.1.3. | Pelaporan Persiapan Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | Laporan Pendahuluan | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim | 5.0000 000 | OH |
| | | | | | | | | | Pelaksana | 5.0000 000 | OH |
| | | | | | | | | | Staff Administrasi | 5.0000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 5.0000 000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|---|-----------------|----------------------|-------------------|--|---------------|---|----------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 15.000 0000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.9.2. | Survei Pendahuluan dan Penentuan Posisi Pilar Batas RI-PNG | B.9.2.1. | Reconnaisance | B.9.2.1.1. | Penyediaan Alat dan Personil Reconnaissance | | Dokumen kesiapan alat dan personil | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim | 1.0000 000 | OH |
| | | | | | | | | | Pelaksana | 1.0000 000 | OH |
| | | | | | | | | | Staff Administrasi | 1.0000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 1.0000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.0000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.0000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|----------------|-----------------|------------|----------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.0000 000 | UH |
| | | | | | | | | | Printer | 1.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200 000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020 000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.2. | Perijinan | Koordinasi | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.0000 000 | OH |
| | | | | | | | | | Staff Administrasi | 2.0000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 4.0000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 2.0000 000 | UH |
| | | | | | | | | | Basecamp | 4.0000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|-------------------|--------|--------------------------------|----------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Mobil Base | 2.0000 000 | UH |
| | | | | | | | | | Printer | 2.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200 000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020 000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.3. | Mobilisasi | | Berita acara mobilisasi | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.0000 000 | OH |
| | | | | | | | | | Staff Administrasi | 0.0000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 1.0000 000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 2.0000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------------------|---|------------|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tiket Transportasi | 4.0000 000 | UH |
| | | | | | | | | | Mobil Base ke Bandara | 1.0000 000 | UH |
| | | | | | | | | | Mobil Bandara ke Penginapan | 1.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | -- | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.4.a. | Koordinasi dengan Pihak PNG (koordinasi lancar) | Koordinasi | Dokumen Kesepakatan Jadwal Staking Out | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.1000 000 | OH |
| | | | | | | | | | Staff Administrasi | 0.1000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 0.1000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.3000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------|-----------------------------|------------|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | lambat) | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.9000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.3000 000 | UH |
| | | | | | | | | | Basecamp | 0.9000 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.3000 000 | UH |
| | | | | | | | | | Printer | 0.3000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200 000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020 000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.4.c | Koordinasi dengan Pihak PNG | Koordinasi | Dokumen Kesepakatan Jadwal Staking Out | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.5000 000 | OH |
| | | | | | | | | | Staff Administrasi | 0.5000 000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------|-----------------------------|---------------|--------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | (koordinasi tidak berjalan) | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 0.5000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.5000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.5000000 | UH |
| | | | | | | | | | Basecamp | 1.5000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.5000000 | UH |
| | | | | | | | | | Printer | 0.5000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. | Penent | Survei | Tanda | Titik | Daftar Personil | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------|--|--------|--|-------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | 1.5.a | uan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam ringan) | | Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | dan Dokumen | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.1000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------------|---------------------------------------|---------------|--|----------------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Laptop | 0.2500 000 | UH |
| | | | | | | | | | Kompas | 0.1000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.0333 333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.1000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.1000 000 | UH |
| | | | | | | | | | Basecamp | 0.9500 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.2000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.5.b. | Penentuan dan pemasaan | Survei | Tanda Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0333 333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0333 333 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | patok tanda pilar sementara (dengan kesulitan aksesibilitas rendah, keamanan sedang, kondisi alam ringan) | | a & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.5000000 | UH |
| | | | | | | | | | Kompas | 0.2000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------|---|--------|--|-------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.0666667 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.2000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.2000000 | UH |
| | | | | | | | | | Basecamp | 1.9000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.4000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.c. | Penentuan dan pemasangan patok tanda pilar sement | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasang | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor | 0.4000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|------------------------------------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | ara (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam ringan) | | an Patok dan Tanda Pilar Sementara | | Pengukuran (1) | 000 | |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000000 | UH |
| | | | | | | | | | Kompas | 0.4000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1333333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.4000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------|---|--------|--|-------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Perlengkapan Flying Camp | 0.4000000 | UH |
| | | | | | | | | | Basecamp | 3.8000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.d. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0333333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0333333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | an aksesibilitas sedang, keamanan ringan, kondisi alam ringan) | | a | | | 000 | |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.5000 000 | UH |
| | | | | | | | | | Kompas | 0.2000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.0666 667 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.2000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.2000 000 | UH |
| | | | | | | | | | Basecamp | 1.9000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|---|---------------|---|--------------------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Mobil di Lokasi | 0.4000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.e. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim | 0.0500 000 | OH |
| | | | | | | | | | Pelaksana | | |
| | | | | | | | | | Staff Administrasi | 0.0500 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0500 000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.3000 000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.3000 000 | OH |
| | | | | | | | | | Tukang | 0.3000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.3000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter | 0.3000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---------------------------------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | keamanan sedang, kondisi alam ringan) | | | | 2) | 000 | |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.3000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.3000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.3000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.3000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.7500 000 | UH |
| | | | | | | | | | Kompas | 0.3000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1000 000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.3000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.3000 000 | UH |
| | | | | | | | | | Basecamp | 2.8500 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.6000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|---|---------------|---|--------------------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.f. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666 667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666 667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666 667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000 000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000 000 | OH |
| | | | | | | | | | Tukang | 0.4000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter | 0.4000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | alam ringan) | | | | 4) | 000 | |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000 000 | UH |
| | | | | | | | | | Kompas | 0.4000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1333 333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.4000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.4000 000 | UH |
| | | | | | | | | | Basecamp | 3.8000 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|---------------|---|--------------------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.g. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------|-----------------|---------------|--------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000 000 | UH |
| | | | | | | | | | Kompas | 0.4000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1333 333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.4000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.4000 000 | UH |
| | | | | | | | | | Basecamp | 3.8000 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. | Penent | Survei | Tanda | Titik | Daftar Personil | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------|---|--------|--|-------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | 1.5.h. | uan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam ringan) | | Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | dan Dokumen | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------------|---------------------------------------|---------------|--|----------------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Laptop | 1.0000 000 | UH |
| | | | | | | | | | Kompas | 0.4000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1333 333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.4000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.4000 000 | UH |
| | | | | | | | | | Basecamp | 3.8000 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.5.i. | Penentuan dan pemasaan | Survei | Tanda Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0833 333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0833 333 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam ringan) | | a & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.5000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.5000000 | OH |
| | | | | | | | | | Tukang | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.5000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.2500000 | UH |
| | | | | | | | | | Kompas | 0.5000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------|---|--------|--|-------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.1666667 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.5000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.5000000 | UH |
| | | | | | | | | | Basecamp | 4.7500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.j. | Penentuan dan pemasangan patok tanda pilar sement | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasang | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.1666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.1666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.1666667 | OH |
| | | | | | | | | | Surveyor | 1.0000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|------------------------------------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | ara (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam ringan) | | an Patok dan Tanda Pilar Sementara | | Pengukuran (1) | 000 | |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.0000 000 | OH |
| | | | | | | | | | Tukang | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.0000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.0000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 2.5000 000 | UH |
| | | | | | | | | | Kompas | 1.0000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.3333 333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.0000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------------------|---|--------|--|-------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Perlengkapan Flying Camp | 1.0000 000 | UH |
| | | | | | | | | | Basecamp | 9.5000 000 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.0000 000 | UH |
| | | | | | | | | | Helikopter | 1.0000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.5.k. | Penentuan dan pemasangan patok tanda pilar sementara (denga | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2000 000 | OH |
| | | | | | | | | | Staff Administrasi | 0.2000 000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2000 000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.2000 000 | OH |
| | | | | | | | | | Surveyor | 1.2000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|-----------------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | n kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam ringan) | | Pilar Sementara | | Pengukuran (2) | 000 | |
| | | | | | | | | | Tukang | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.2000 000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.2000 000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.0000 000 | UH |
| | | | | | | | | | Kompas | 1.2000 000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.4000 000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.2000 000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 1.2000 000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------------------|---|--------|--|-------------------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Basecamp | 11.400 0000 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.4000 000 | UH |
| | | | | | | | | | Helikopter | 1.2000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2. 1.5.1. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2166 667 | OH |
| | | | | | | | | | Staff Administrasi | 0.2166 667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166 667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.3000 000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.3000 000 | OH |
| | | | | | | | | | Tukang | 1.3000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|---------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | an aksesibilitas khusus, keamanan berat, kondisi alam ringan) | | a | | | 000 | |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.3000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.2500000 | UH |
| | | | | | | | | | Kompas | 1.3000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.4333333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.3000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 1.3000000 | UH |
| | | | | | | | | | Basecamp | 12.3500000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Mobil di Lokasi | 2.6000 000 | UH |
| | | | | | | | | | Helikopter | 1.3000 000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.0000 000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|--|-----------------|--------------------|---------------------|---|---------------|---|--------------------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3 | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2. | Staking Out | B.9.2.1.5.m. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam sedang) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2000000 | OH |
| | | | | | | | | | Staff Administrasi | 0.2000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.2000000 | OH |
| | | | | | | | | | Tukang | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.2000000 | OH |
| Tenaga Lokal (Porter 6) | 1.2000000 | OH | | | | | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.000000 0 | UH |
| | | | | | | | | | Kompas | 1.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 1.200000 0 | UH |
| | | | | | | | | | Basecamp | 11.400000 00 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.400000 0 | UH |
| | | | | | | | | | Helikopter | 1.200000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|---|---------------|---|--------------------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | B.9.2.1.5.n. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam sedang) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.2166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.3000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.3000000 | OH |
| | | | | | | | | | Tukang | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.3000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.250000 0 | UH |
| | | | | | | | | | Kompas | 1.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.433333 3 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.300000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 1.300000 0 | UH |
| | | | | | | | | | Basecamp | 12.350000 00 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.600000 0 | UH |
| | | | | | | | | | Helikopter | 1.300000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|--------------------|--|---------------|---|--------------------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | B.9.2.1.5.o | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas khusus, keamanan berat, kondisi alam sedang) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2333333 | OH |
| | | | | | | | | | Staff Administrasi | 0.2333333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.4000000 | OH |
| | | | | | | | | | Tukang | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.4000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.500000 0 | UH |
| | | | | | | | | | Kompas | 1.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.466666 7 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.400000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 1.400000 0 | UH |
| | | | | | | | | | Basecamp | 13.300000 00 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.800000 0 | UH |
| | | | | | | | | | Helikopter | 1.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|--------------------|--|---------------|---|--------------------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | B.9.2.1.5.p | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam sedang) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|----------------------|---------------|------------------------------|------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.133333 3 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 3.800000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.q | Penentuan dan | Survei | Tanda Patok dan Tanda | Titik dan | Daftar Personil | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--|--|---------|---------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam sedang) | | Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Dokumen | Ketua Tim Pelaksana | 0.0833333 | OH |
| | | | | | | Staff Administrasi | | | 0.0833333 | OH | |
| | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | | | 0.0833333 | OH | |
| | | | | | | Surveyor Pengukuran (1) | | | 0.5000000 | OH | |
| | | | | | | Surveyor Pengukuran (2) | | | 0.5000000 | OH | |
| | | | | | | Tukang | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 1) | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 2) | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 3) | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 4) | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 5) | | | 0.5000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 6) | | | 0.5000000 | OH | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Daftar Alat | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|---|---------------|--|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Laptop | 1.250000 0 | UH |
| | | | | | | | | | Kompas | 0.500000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.166666 7 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | | | | Basecamp | 4.750000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.r | Penentuan dan pemasangan patok tanda | Survei | Tanda Patok dan Tanda Pilar Sementara & | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.100000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|---|--------|--------------------|--|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | <p>pilar sementara (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam sedang)</p> | | <p>Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara</p> | | Staff Administrasi | 0.1000000 | OH | |
| | | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.1000000 | OH |
| | | | | | | | | | | Surveyor Pengukuran (1) | 0.6000000 | OH |
| | | | | | | | | | | Surveyor Pengukuran (2) | 0.6000000 | OH |
| | | | | | | | | | | Tukang | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 1) | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 2) | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 3) | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 4) | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 5) | 0.6000000 | OH |
| | | | | | | | | | | Tenaga Lokal (Porter 6) | 0.6000000 | OH |
| | | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | | Laptop | 1.5000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|---|---------------|--|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kompas | 0.600000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.600000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.600000 0 | UH |
| | | | | | | | | | Basecamp | 5.700000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.200000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.s | Penentuan dan pemasangan patok tanda pilar sementara | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam sedang) | | Pemasangan Patok dan Tanda Pilar Sementara | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|--|---------------|---|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 2.850000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.t | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas) | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | | | Koordinator Pembuatan dan | 0.066666 7 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|-----------|--------|-------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | sedang, keamanan sedang, kondisi alam sedang) | | Sementara | | Pemasangan Pilar | | |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.400000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.400000 0 | OH |
| | | | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital | 0.133333 3 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|---|---------------|---|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | | |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 3.800000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas sedang, | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | u. | | | | | Ketua Tim Pelaksana | 0.083333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.083333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.083333 3 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--------------------------------------|--------|--------|--------|-------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | keamanan berat, kondisi alam sedang) | | | | Pilar | | |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.500000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.500000 0 | OH |
| | | | | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.500000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.250000 0 | UH |
| | | | | | | | | | Kompas | 0.500000 0 | UH |
| | | | | | | | | | Kamera Digital | 0.166666 7 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|---|---------------|---|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | | |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.500000 0 | UH |
| | | | | | | | | | Basecamp | 4.750000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.v | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.033333 3 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---------------------------------------|--------|--------|--------|-------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | keamanan ringan, kondisi alam sedang) | | | | Pilar | | |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.200000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.200000 0 | OH |
| | | | | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.200000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 0 | UH |
| | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | Kamera Digital | 0.066666 7 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|---------------|---|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | | |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.200000 0 | UH |
| | | | | | | | | | Basecamp | 1.900000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.w. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.050000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---------------------------------------|--------|--------|--------|-------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | keamanan sedang, kondisi alam sedang) | | | | Pilar | | |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital | 0.100000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|---|---------------|---|--------------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | | |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 2.850000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.5.x | Penentuan dan pemasangan patok tanda pilar sementara (dengan kesulitan aksesibilitas ringan, | Survei | Tanda Patok dan Tanda Pilar Sementara & Dokumen Tanda Pemasangan Patok dan Tanda Pilar Sementara | Titik dan Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.066666 7 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--------------------------------------|--------|--------|--------|-------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | keamanan berat, kondisi alam sedang) | | | | Pilar | | |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.400000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.400000 0 | OH |
| | | | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital | 0.133333 3 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|---------------------------------|--------|-------------------------------|----------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | | |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 3.800000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 0 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.1.6. | Pelaporan Reconnaissance | | Laporan Reconnaissance | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim | 5.000000 0 | OH |
| | | | | | | | | | Staf Administrasi | 5.000000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 5.000000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------------|---|--------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 15.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.1. | Persiapan Alat dan Personil Staking Out | | Dokumen kesiapan alat dan personil | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.000000 | OH |
| | | | | | | | | | Staff Administrasi | 1.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar Batas RI-PNG | 1.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.000000 | UH |
| | | | | | | | | | Kompas | 1.000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|------------------|--------|--------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 1.000000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.000000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 4.000000 0 | UH |
| | | | | | | | | | ETS | 1.000000 0 | UH |
| | | | | | | | | | Generator | 1.000000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 1.000000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.2.a | Pembuatan | | Tanda Titik | Titik | Daftar | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan ringan) | | Bantu | | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.1000000 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|------------------|--------|--------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.250000 0 | UH |
| | | | | | | | | | Kompas | 0.100000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.100000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.100000 0 | UH |
| | | | | | | | | | Basecamp | 0.950000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 0.100000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.200000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 0 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.2.b | Pembuatan | | Tanda Titik | Titik | Daftar | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | dan pemasangan titik bantu (dengan kondisi alam sedang, keamanan ringan) | | Bantu | | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0333333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0333333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|------------------|--------|--------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 0 | UH |
| | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | | | | Basecamp | 1.900000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 0.200000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 0 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.2.c | Pembuatan | | Tanda Titik | Titik | Daftar | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan sedang) | | Bantu | | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0333333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0333333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|------------------|--------|--------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 0 | UH |
| | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | | | | Basecamp | 1.900000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 0.200000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 0 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.2.d | Pembuatan | | Tanda Titik | Titik | Daftar | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | dan pemasangan titik bantu (dengan kondisi alam sedang, keamanan sedang) | | Bantu | | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|------------------|--------|--------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 2.850000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 0 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.2.e | Pembuatan | | Tanda Titik | Titik | Daftar | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | dan pemasangan titik bantu (dengan kondisi alam ringan, keamanan berat) | | Bantu | | Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 2.850000 0 | UH |
| | | | | | | | | | Gergaji Mesin | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 0 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 0 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---|----------|-------------|--------------|---|--------|-------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3 | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2. | Staking Out | B.9.2.2.2.f. | Pembuatan dan pemasangan titik bantu (dengan kondisi alam sedang, keamanan berat) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| Daftar Alat | | | | | | | | | | | |
| Laptop | 1.0000000 | UH | | | | | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|----------------------|---|--------|--------------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kompas | 0.400000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 | UH |
| | | | | | | | | | Basecamp | 3.800000 | UH |
| | | | | | | | | | Gergaji Mesin | 0.400000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Paralon | 1.000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.000000 | Buah |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2. 3.a. | Pengukuran Titik Bantu (dengan kondisi alam ringan, keamanan ringan) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.016667 | OH |
| | | | | | | | | | Staff Administrasi | 0.016667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.016667 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.100000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.100000 | OH |
| | | | | | | | | | Tukang | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.100000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.250000 | UH |
| | | | | | | | | | Kompas | 0.100000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.100000 | UH |
| | | | | | | | | | GPS Geodetik dan kelengkapannya | 0.400000 | UH |
| | | | | | | | | | Kamera Digital | 0.100000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|----------------------|---|--------|--------------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Geotagging | 00 | |
| | | | | | | | | | Generator | 0.100000 | UH |
| | | | | | | | | | ETS | 0.100000 | UH |
| | | | | | | | | | Basecamp | 0.950000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.200000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2. 3.b. | Pengukuran Titik Bantu (dengan kondisi alam ringan, keamanan sedang) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 | OH |
| | | | | | | | | | Staff Administrasi | 0.033333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.033333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.200000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.200000 | OH |
| | | | | | | | | | Tukang | 0.200000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.200000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 | UH |
| | | | | | | | | | Kompas | 0.200000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 | UH |
| | | | | | | | | | GPS Geodetik dan kelengkapannya | 0.800000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 | UH |
| | | | | | | | | | Generator | 0.200000 | UH |
| | | | | | | | | | ETS | 0.200000 | UH |
| | | | | | | | | | Basecamp | 1.900000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|---------------|--------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 00 | |
| | | | | | | | | | Mobil di Lokasi | 0.400000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.3.c. | Pengukuran Titik Bantu (dengan kondisi alam ringan, keamanan berat) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 | OH |
| | | | | | | | | | Tukang | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|---------------|--------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.3.d. | Pengukuran Titik Bantu (dengan kondisi alam sedang, keamanan berat) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|-------------------------------|--------|--------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 | UH |
| | | | | | | | | | Kompas | 0.400000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 | UH |
| | | | | | | | | | GPS Geodetik dan kelengkapannya | 1.600000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 | UH |
| | | | | | | | | | Generator | 0.400000 | UH |
| | | | | | | | | | ETS | 0.400000 | UH |
| | | | | | | | | | Basecamp | 3.800000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.3.e. | Pengukuran Titik Bantu | | Tanda Titik | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.05000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | (dengan kondisi alam sedang, keamanan sedang) | | Bantu | | | 00 | |
| | | | | | | | | | Staff Administrasi | 0.050000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 | OH |
| | | | | | | | | | Tukang | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 | UH |
| | | | | | | | | | Kompas | 0.300000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|--------|--------------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 | UH |
| | | | | | | | | | GPS Geodetik dan kelengkapannya | 1.200000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 | UH |
| | | | | | | | | | Generator | 0.300000 | UH |
| | | | | | | | | | ETS | 0.300000 | UH |
| | | | | | | | | | Basecamp | 2.850000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.3.f. | Pengukuran Titik Bantu (dengan kondisi alam sedang, keamanan ringan) | | Tanda Titik Bantu | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 | OH |
| | | | | | | | | | Staff Administrasi | 0.033333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.033333 | OH |
| | | | | | | | | | Surveyor Pengukuran | 0.200000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | (1) | 00 | |
| | | | | | | | | | Surveyor Pengukuran | 0.200000 | OH |
| | | | | | | | | | (2) Tukang | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.200000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 | UH |
| | | | | | | | | | Kompas | 0.200000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 | UH |
| | | | | | | | | | GPS Geodetik dan kelengkapannya | 0.800000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|---|----------------------------|--------------------------------------|----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Generator | 0.200000 | UH |
| | | | | | | | | | ETS | 0.200000 | UH |
| | | | | | | | | | Basecamp | 1.900000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.4. | Pengolahan Data Pengukuran Titik Bantu | Pengolahan Data GPS | Dokumen Koordinat Titik Bantu | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.025000 | OH |
| | | | | | | | | | Staff Administrasi | 0.025000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.025000 | OH |
| | | | | | | | | | Surveyor Pengolahan Data | 0.050000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.125000 | UH |
| | | | | | | | | | Software CAD berlisensi | 0.075000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|----------------------|--|------------------------------|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 00 | |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.0250000 | UH |
| | | | | | | | | | Printer | 0.0250000 | UH |
| | | | | | | | | | Basecamp | 0.1250000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | | | | Daftar Personil | | |
| | | | | B.9.2.2. 5.a. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam ringan, kemanan ringan) | Survei dan Konstruksi | Tanda Patok dan Tanda Pilar Sementara | Titik | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.1000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.100000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.100000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.250000 | UH |
| | | | | | | | | | Kompas | 0.100000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.033333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.100000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.100000 | UH |
| | | | | | | | | | Basecamp | 0.950000 | UH |
| | | | | | | | | | Mobil | 0.200000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|--|------------------------------|--|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 00 | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.5.b. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam ringan, kemanan sedang) | Survei dan Konstruksi | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 | OH |
| | | | | | | | | | Staff Administrasi | 0.033333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.033333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.200000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.200000 | OH |
| | | | | | | | | | Tukang | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.200000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.200000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|------------------------------|------------------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 00 | |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 | UH |
| | | | | | | | | | Kompas | 0.200000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.066667 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.200000 | UH |
| | | | | | | | | | Basecamp | 1.900000 | UH |
| | | | | | | | | | Mobil | 0.400000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.5.c. | Penentuan dan pemasangan patok tanda | Survei dan Konstruksi | Tanda Patok dan Tanda | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|-----------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | pilar sementara (dengan kondisi alam ringan, kemanan berat) | | Pilar Sementara | | | 00 | |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 | OH |
| | | | | | | | | | Tukang | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 | UH |
| | | | | | | | | | Kompas | 0.300000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.100000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|----------------------|---|------------------------------|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.300000 | UH |
| | | | | | | | | | Basecamp | 2.850000 | UH |
| | | | | | | | | | Mobil | 0.600000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2. 5.d. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam sedang, kemanan berat) | Survei dan Konstruksi | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066667 | OH |
| | | | | | | | | | Staff Administrasi | 0.066667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.066667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.400000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.400000 | OH |
| | | | | | | | | | Tukang | 0.400000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 | UH |
| | | | | | | | | | Kompas | 0.400000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.133333 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.400000 | UH |
| | | | | | | | | | Basecamp | 3.800000 | UH |
| | | | | | | | | | Mobil | 0.800000 | UH |
| | | | | | | | | | b) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|------------------------------|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.5.e. | Penentuan dan pemasangan patok tanda pilar sementara (dengan kondisi alam sedang, kemanan sedang) | Survei dan Konstruksi | Tanda Patok dan Tanda Pilar Sementara | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 | OH |
| | | | | | | | | | Tukang | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|----------------------|-------------------|--------------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 00 | |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 | UH |
| | | | | | | | | | Kompas | 0.300000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.100000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.300000 | UH |
| | | | | | | | | | Basecamp | 2.850000 | UH |
| | | | | | | | | | Mobil | 0.600000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.5.f. | Penentuan dan | Survei dan | Tanda Patok | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.03333 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|------------|---------------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | pemasangan patok tanda pilar sementara (dengan kondisi alam sedang, kewanaran ringan) | Konstruksi | dan Tanda Pilar Sementara | | | 33 | |
| | | | | | | | | | Staff Administrasi | 0.0333333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.5000000 | UH |
| | | | | | | | | | Kompas | 0.2000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|---------------------|--------|----------------------------------|----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.066667 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 0.200000 | UH |
| | | | | | | | | | Basecamp | 1.900000 | UH |
| | | | | | | | | | Mobil | 0.400000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kayu | 1.000000 | unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.6. | Demobilisasi | | Berita acara demobilisasi | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.000000 | OH |
| | | | | | | | | | Staff Administrasi | 0.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 2.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|------------------------------|--------|----------------------------|----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tiket Transportasi | 4.000000 | UH |
| | | | | | | | | | Mobil Base ke Bandara | 1.000000 | UH |
| | | | | | | | | | Mobil Bandara ke Penginapan | 1.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.2.2.7. | Pelaporan Staking Out | | Laporan Staking Out | Dokumen | Personil | | |
| | | | | | | | | | Ketua Tim | 5.000000 | OH |
| | | | | | | | | | Staf Administrasi | 5.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 5.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 15.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-------------------|---|-------------------|---|----------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.1.1. | Penyiapan Alat dan Personil Pembuatan Kerangka Pilar Batas Negara RI-PNG | Koordinasi | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.000000 | OH |
| | | | | | | | | | Staff Administrasi | 1.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.000000 | UH |
| | | | | | | | | | Printer | 1.000000 | UH |
| | | | | | | | | | Plotter | 0.000000 | UH |
| | | | | | | | | | Mobil | 0.000000 | UH |
| | | | | | | | | | Basecamp | 0.000000 | UH |
| | | | | | | | | | Scanner A0 | 0.000000 | UH |
| | | | | | | | | | Alat Las | 0.000000 | UH |
| | | | | | | | | | b) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-------------------|-------------------|--------|--------------------------------|----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.020000 | Rim |
| | | | | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.1.2. | Mobilisasi | | Berita acara mobilisasi | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.000000 | OH |
| | | | | | | | | | Staff Administrasi | 0.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 2.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Tiket Transportasi | 4.000000 | UH |
| | | | | | | | | | Mobil Base ke Bandara | 1.000000 | UH |
| | | | | | | | | | Mobil Bandara ke Penginapan | 1.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |

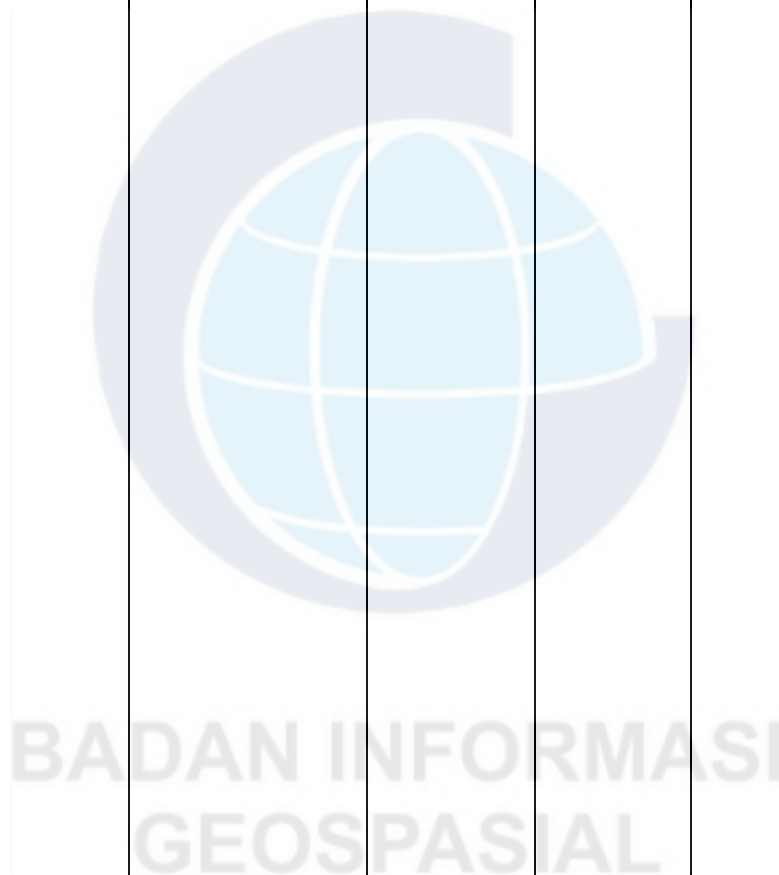
| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-------------------|------------------------|---------------|-----------------------------------|----------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.1.3. | Belanja Bahan | | Dokumen ketersediaan bahan | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 2.000000 | OH |
| | | | | | | | | | Staff Administrasi | 2.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 2.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Mobil di Lokasi | 2.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Semen | 0.000000 | |
| | | | | | | | | | Pasir | 0.000000 | |
| | | | | | | | | | Batu Split | 0.000000 | |
| | | | | | | | | | Besi | 0.000000 | |
| | | | | | | | | | Plak Kuningan | 0.000000 | |
| | | | | | | | | | Air | 0.000000 | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-------------------|---|-------------------|-----------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Thinner | 0.000000 | |
| | | | | | | | | | Brass Tablet | 0.000000 | |
| | | | | | | | | | Paku | 0.000000 | |
| | | | | | | | | | Cat | 0.000000 | |
| | | | | | | | | | Papan | 0.000000 | |
| | | | | | | | | | Kawat | 0.000000 | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.1.4. | Pembuatan Kerangka Pilar Batas Negara RI-PNG | Konstruksi | Kerangka Pilar | Unit | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066667 | OH |
| | | | | | | | | | Staff Administrasi | 0.066667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.066667 | OH |
| | | | | | | | | | Tukang Las | 0.066667 | OH. |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Kamera Digital Geotagging | 0.066667 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-----------------|---|-------------------|---|----------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Penyiapan Alat dan Personil Pemasangan Pilar Batas Negara RI-PNG | Koordinasi | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | 1. | | | | | Ketua Tim Pelaksana | 1.000000 | OH |
| | | | | | | | | | Staff Administrasi | 1.000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 2.000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 1.000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 5.000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.020000 | Rim |
| | | | | | | | | | Tinta Printer | 0.002000 | Paket |

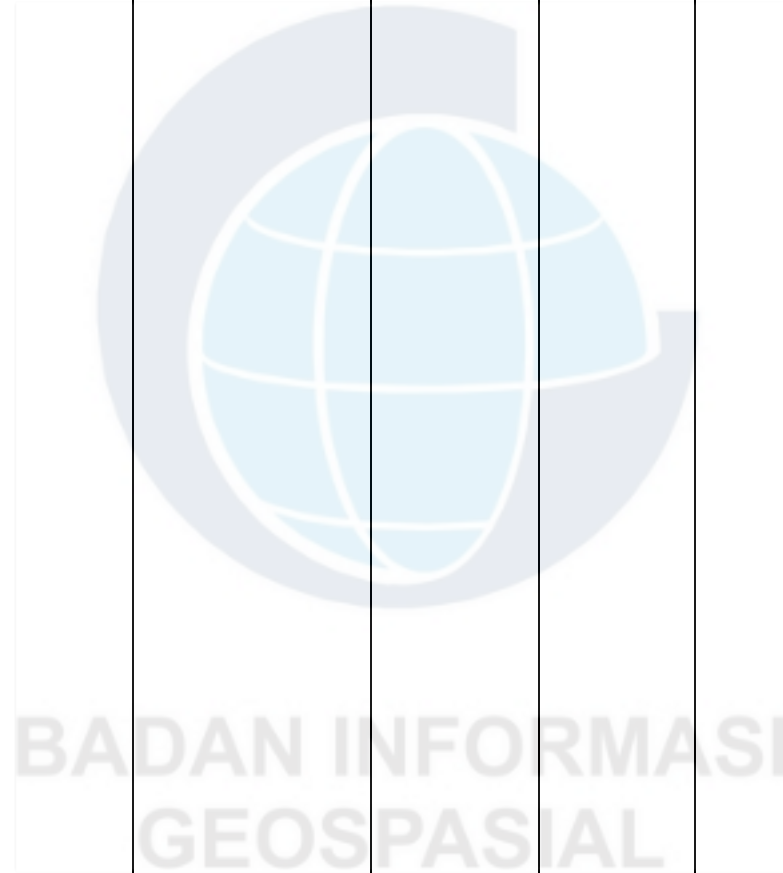
| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-------------|------------------------|---------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---|----------|-------------|--------------|--|------------|----------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3. | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2. | Staking Out | B.9.3.2.2.a. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.1000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| Daftar Alat | | | | | | | | | | | |
| Generator | 0.10000 | UH | | | | | | | | | |



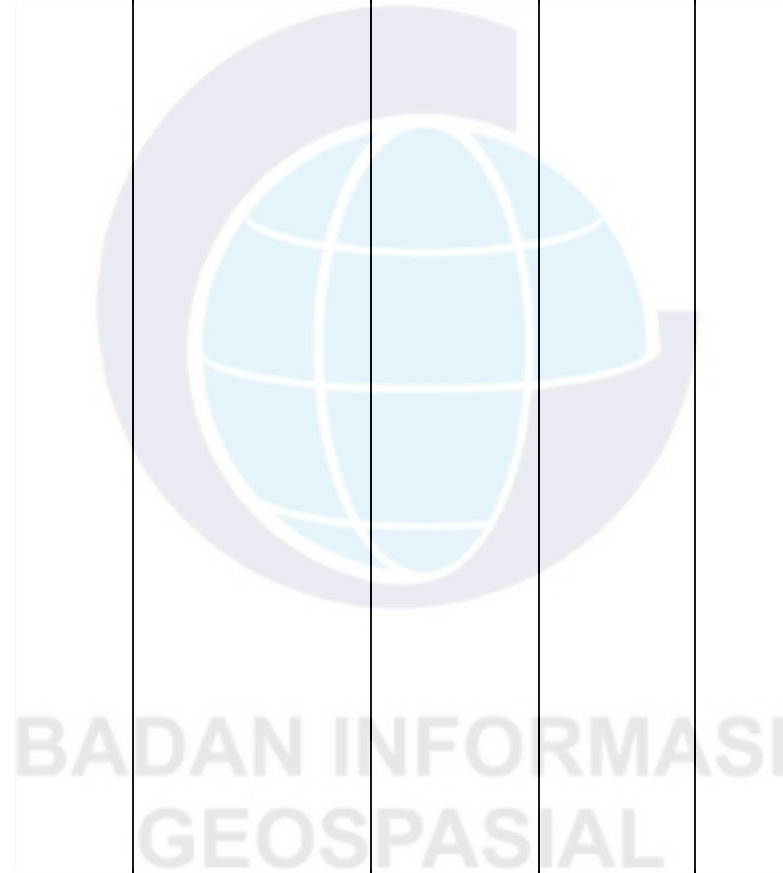
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.10000 00 | UH |
| Basecamp | 0.15000 00 | UH |
| Perlengkapan Flying Camp | 0.23333 33 | UH |
| Mobil di Lokasi | 0.10000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .b. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan sedang, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.03333 33 | OH |
| | | | | | Staff Administrasi | 0.03333 33 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.03333 33 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.20000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.20000 00 | OH |
| | | | | | Tukang | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.20000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.20000 | UH |



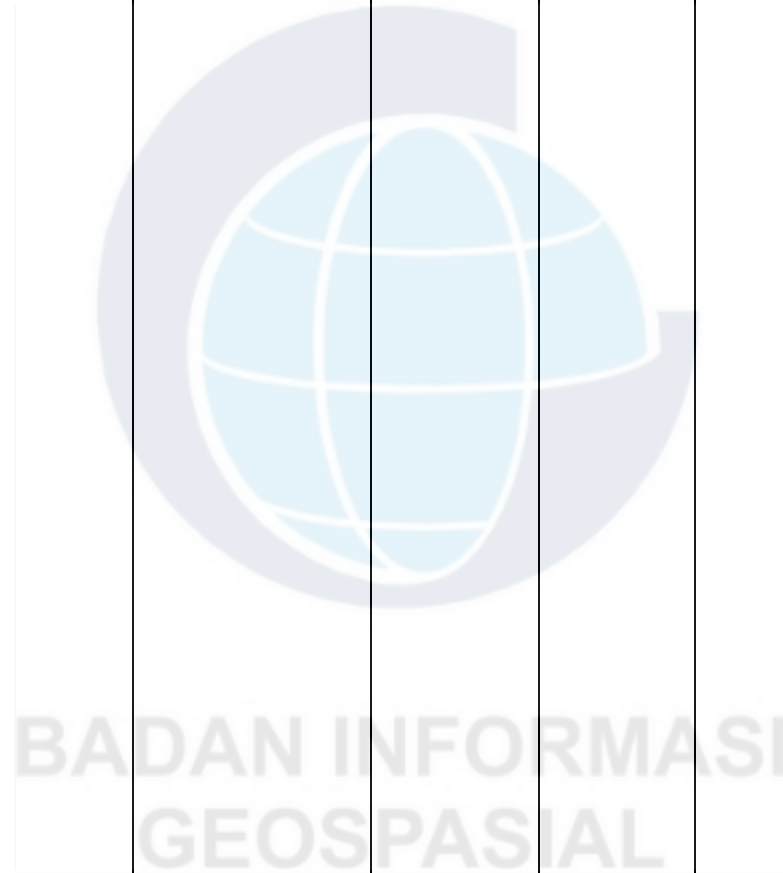
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.20000 00 | UH |
| Basecamp | 0.50000 00 | UH |
| Perlengkapan Flying Camp | 1.90000 00 | UH |
| Mobil di Lokasi | 0.40000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .c. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.05000 00 | OH |
| | | | | | Staff Administrasi | 0.05000 00 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.05000 00 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.30000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.30000 00 | OH |
| | | | | | Tukang | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.30000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.30000 | UH |



| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.30000 00 | UH |
| Basecamp | 0.75000 00 | UH |
| Perlengkapan Flying Camp | 2.85000 00 | UH |
| Mobil di Lokasi | 0.60000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .d. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.03333 33 | OH |
| | | | | | Staff Administrasi | 0.03333 33 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.03333 33 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.20000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.20000 00 | OH |
| | | | | | Tukang | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.20000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.20000 | UH |



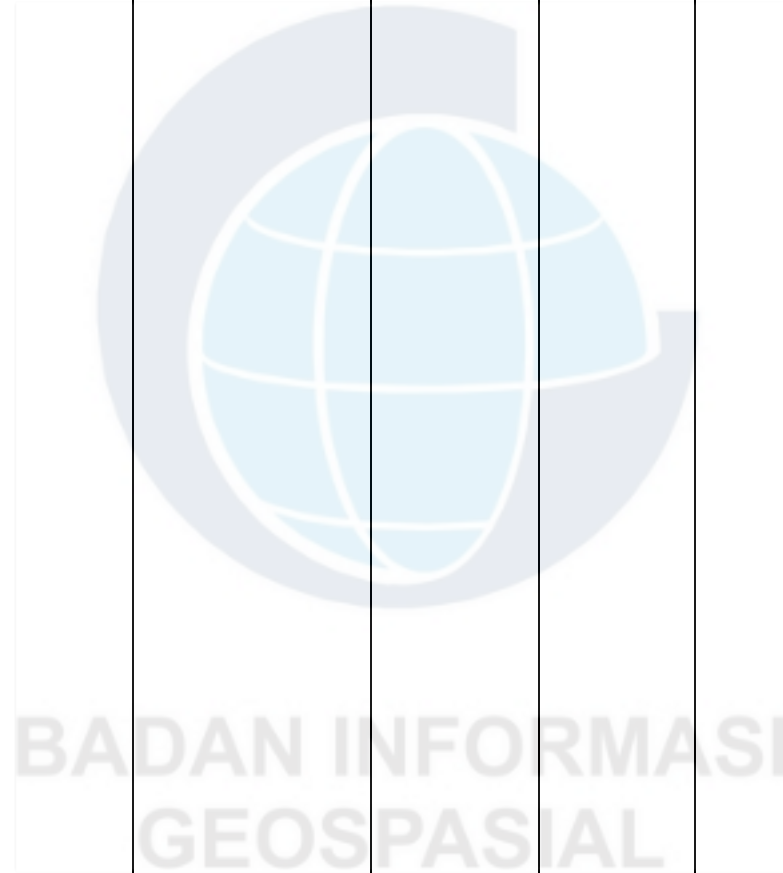
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.20000 00 | UH |
| Basecamp | 0.50000 00 | UH |
| Perlengkapan Flying Camp | 1.90000 00 | UH |
| Mobil di Lokasi | 0.40000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .e. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan sedang, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.05000 00 | OH |
| | | | | | Staff Administrasi | 0.05000 00 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.05000 00 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.30000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.30000 00 | OH |
| | | | | | Tukang | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.30000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.30000 | UH |



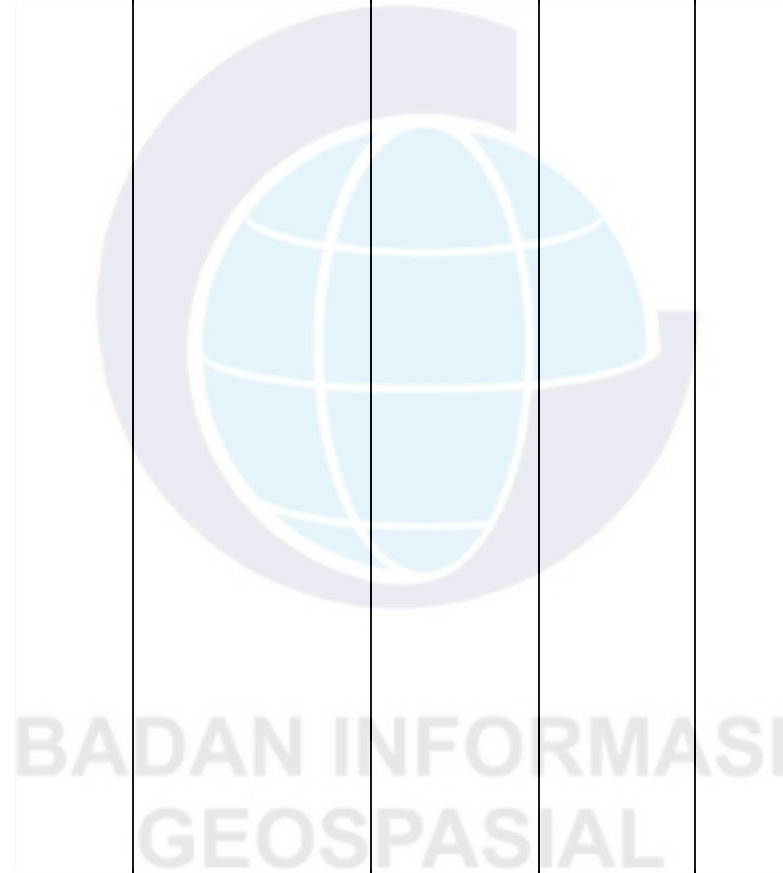
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.30000 00 | UH |
| Basecamp | 0.75000 00 | UH |
| Perlengkapan Flying Camp | 2.85000 00 | UH |
| Mobil di Lokasi | 0.60000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .f. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.06666 67 | OH |
| | | | | | Staff Administrasi | 0.06666 67 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.06666 67 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.40000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.40000 00 | OH |
| | | | | | Tukang | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.40000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.40000 | UH |



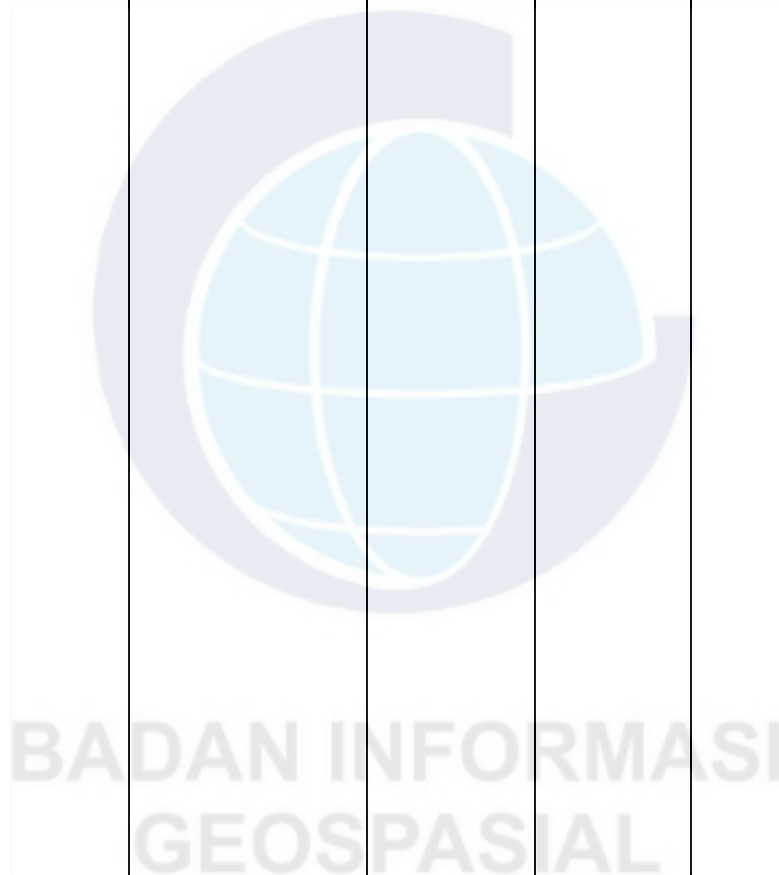
| | | |
|---------------------------|-----------------|--------|
| | 00 | |
| Kamera Digital Geotagging | 0.40000 00 | UH |
| Basecamp | 1.00000 00 | UH |
| Perlengkapan Flying Camp | 3.80000 00 | UH |
| Mobil di Lokasi | 0.80000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lembar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .g. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.03333 33 | OH |
| | | | | | Staff Administrasi | 0.03333 33 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.03333 33 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.20000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.20000 00 | OH |
| | | | | | Tukang | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.20000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.20000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.20000 | UH |



| | | |
|---------------------------|------------|--------|
| | 00 | |
| Kamera Digital Geotagging | 0.200000 | UH |
| Basecamp | 0.300000 | UH |
| Perlengkapan Flying Camp | 0.466667 | UH |
| Mobil di Lokasi | 0.200000 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.277778 | Sak |
| Pasir | 0.205333 | Kg |
| Batu Split | 0.308000 | Kg |
| Plak Kuningan | 2.000000 | Unit |
| Air | 106.944444 | Liter |
| Thinner | 0.080000 | Liter |
| Brass Tablet | 1.000000 | Unit |
| Paku | 0.500000 | Kg |
| Cat | 0.400000 | Liter |
| Papan | 6.000000 | Lembar |
| Kawat | 0.010000 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .h. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan sedang, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.05000 00 | OH |
| | | | | | Staff Administrasi | 0.05000 00 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.05000 00 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.30000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.30000 00 | OH |
| | | | | | Tukang | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.30000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.30000 | UH |



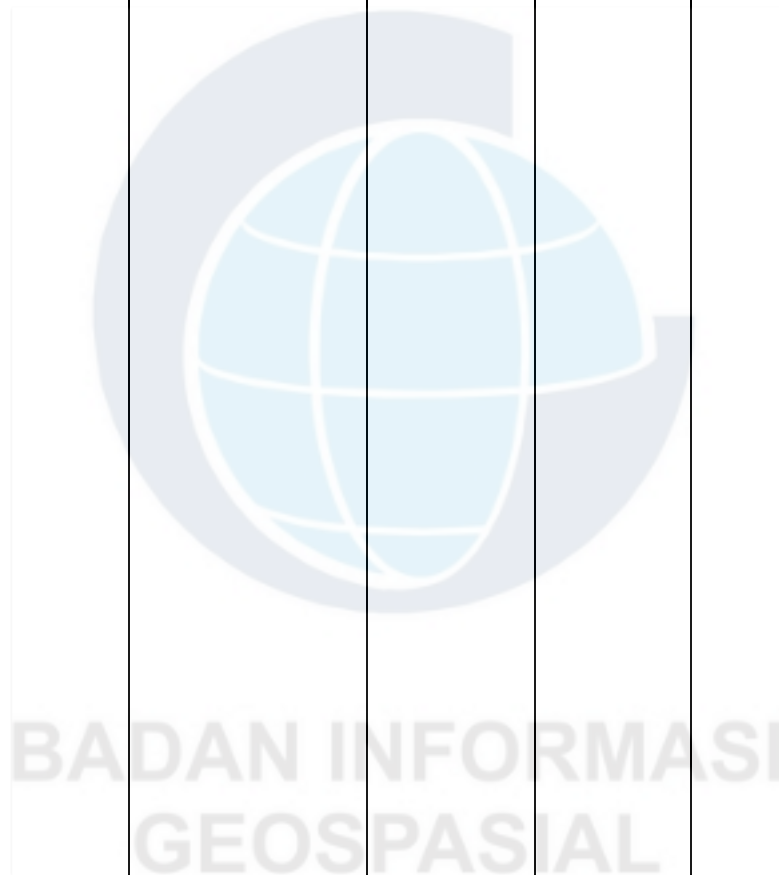
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.30000 00 | UH |
| Basecamp | 0.75000 00 | UH |
| Perlengkapan Flying Camp | 2.85000 00 | UH |
| Mobil di Lokasi | 0.60000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| .i. | | | | | Ketua Tim Pelaksana | 0.06666 67 | OH |
| | | | | | Staff Administrasi | 0.06666 67 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.06666 67 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.40000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.40000 00 | OH |
| | | | | | Tukang | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.40000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.40000 | UH |



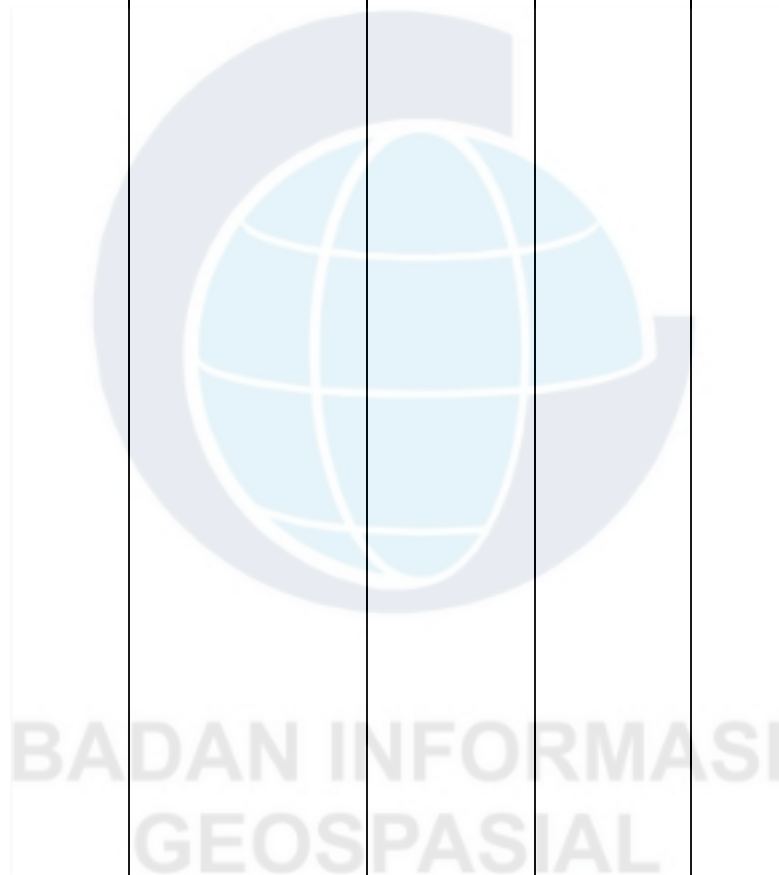
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.40000 00 | UH |
| Basecamp | 1.00000 00 | UH |
| Perlengkapan Flying Camp | 3.80000 00 | UH |
| Mobil di Lokasi | 0.80000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| j. | | | | | Ketua Tim Pelaksana | 0.05000 00 | OH |
| | | | | | Staff Administrasi | 0.05000 00 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.05000 00 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.30000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.30000 00 | OH |
| | | | | | Tukang | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.30000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | Generator | 0.30000 | UH | | | | |



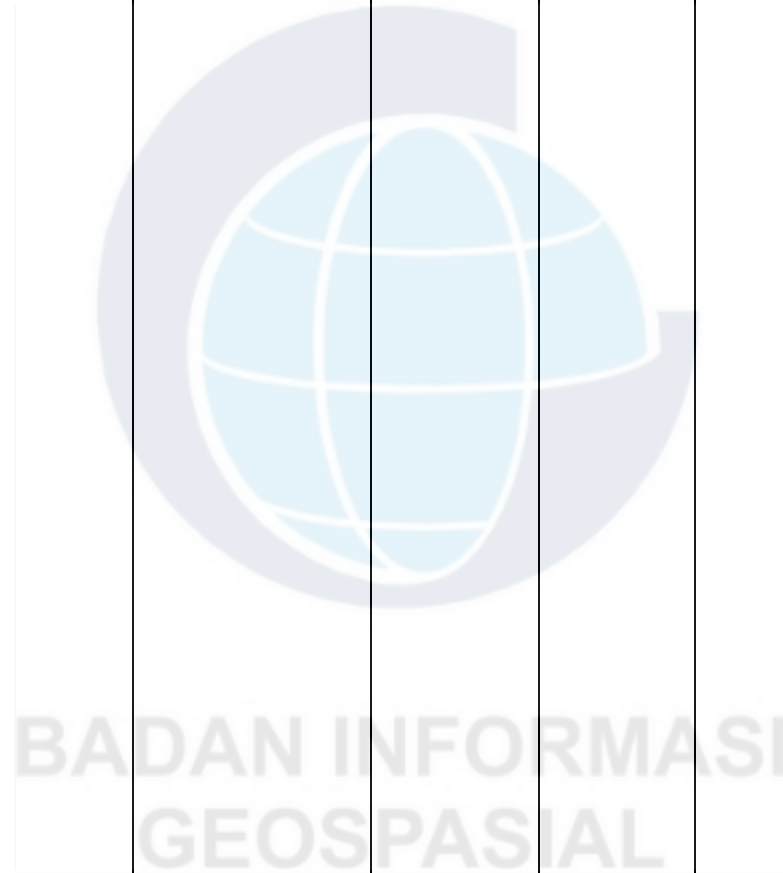
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.30000 00 | UH |
| Basecamp | 0.75000 00 | UH |
| Perlengkapan Flying Camp | 2.85000 00 | UH |
| Mobil di Lokasi | 0.60000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .k. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan sedang, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.06666 67 | OH |
| | | | | | Staff Administrasi | 0.06666 67 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.06666 67 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.40000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.40000 00 | OH |
| | | | | | Tukang | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.40000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.40000 | UH |



| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.40000 00 | UH |
| Basecamp | 1.00000 00 | UH |
| Perlengkapan Flying Camp | 3.80000 00 | UH |
| Mobil di Lokasi | 0.80000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam sedang)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| .1. | | | | | Ketua Tim Pelaksana | 0.08333 33 | OH |
| | | | | | Staff Administrasi | 0.08333 33 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.08333 33 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.50000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.50000 00 | OH |
| | | | | | Tukang | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.50000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.50000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | Generator | 0.50000 | UH | | | | |



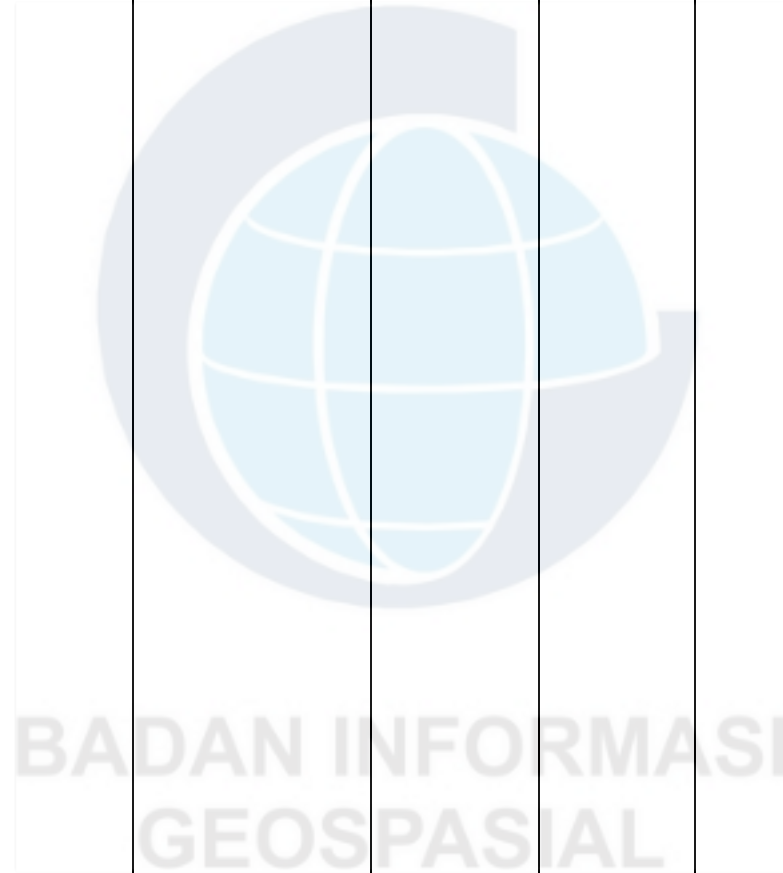
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.50000 00 | UH |
| Basecamp | 1.25000 00 | UH |
| Perlengkapan Flying Camp | 4.75000 00 | UH |
| Mobil di Lokasi | 1.00000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|----------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 .m. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.05000 00 | OH |
| | | | | | Staff Administrasi | 0.05000 00 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.05000 00 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.30000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.30000 00 | OH |
| | | | | | Tukang | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.30000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.30000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Generator | 0.30000 | UH |



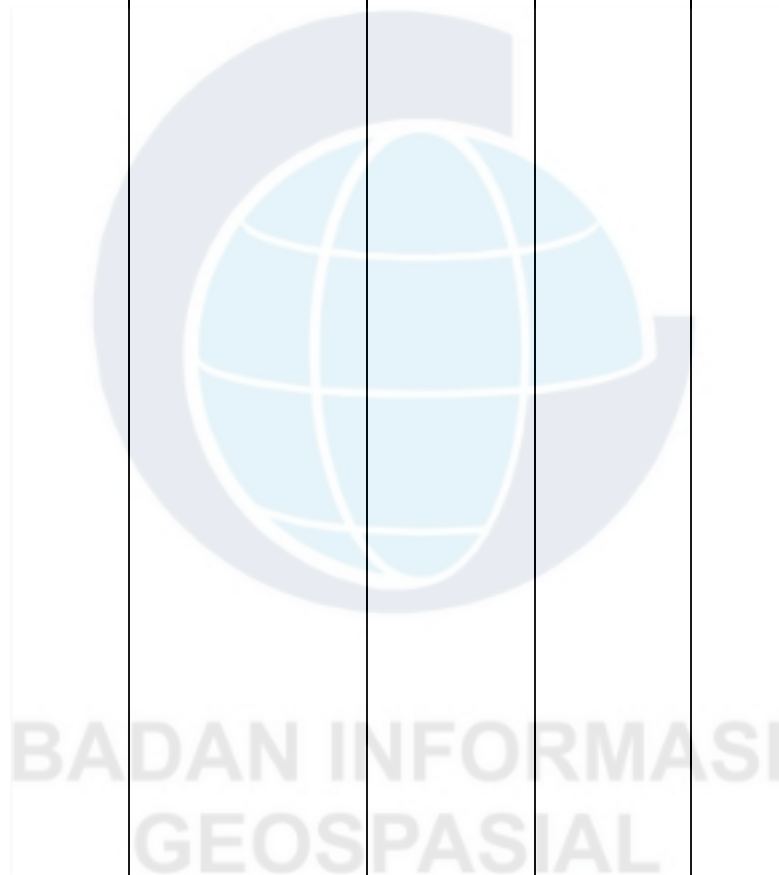
| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.30000 00 | UH |
| Basecamp | 0.75000 00 | UH |
| Perlengkapan Flying Camp | 2.85000 00 | UH |
| Mobil di Lokasi | 0.60000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | |
|------------------|--|-------------------|-----------------------------|--------------|---|---------------|----|
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| .n. | | | | | Ketua Tim Pelaksana | 0.06666 67 | OH |
| | | | | | Staff Administrasi | 0.06666 67 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.06666 67 | OH |
| | | | | | Surveyor Pengukuran (1) | 0.40000 00 | OH |
| | | | | | Surveyor Pengukuran (2) | 0.40000 00 | OH |
| | | | | | Tukang | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 0.40000 00 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 0.40000 00 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | Generator | 0.40000 | UH | | | | |



| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.40000 00 | UH |
| Basecamp | 1.00000 00 | UH |
| Perlengkapan Flying Camp | 3.80000 00 | UH |
| Mobil di Lokasi | 0.80000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | | | | | |
|------------------|---|-------------------|-----------------------------|--------------|---|---------------|----|--------------------|--|--|
| | | | | | c) Jumlah | | | | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | |
| B.9.3.2.2 | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam ringan)-Pilar Beton | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | | | | |
| .o. | | | | | Ketua Tim Pelaksana | 0.08333 33 | OH | | | |
| | | | | | Staff Administrasi | 0.08333 33 | OH | | | |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.08333 33 | OH | | | |
| | | | | | Surveyor Pengukuran (1) | 0.50000 00 | OH | | | |
| | | | | | Surveyor Pengukuran (2) | 0.50000 00 | OH | | | |
| | | | | | Tukang | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 1) | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 2) | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 3) | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 4) | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 5) | 0.50000 00 | OH | | | |
| | | | | | Tenaga Lokal (Porter 6) | 0.50000 00 | OH | | | |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Daftar Alat | | |
| | | | | Generator | 0.50000 | UH | | | | |



| | | |
|---------------------------|-----------------|------------|
| | 00 | |
| Kamera Digital Geotagging | 0.50000 00 | UH |
| Basecamp | 1.25000 00 | UH |
| Perlengkapan Flying Camp | 4.75000 00 | UH |
| Mobil di Lokasi | 1.00000 00 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| Semen | 4.27777 78 | Sak |
| Pasir | 0.20533 33 | Kg |
| Batu Split | 0.30800 00 | Kg |
| Plak Kuningan | 2.00000 00 | Unit |
| Air | 106.944 4444 | Liter |
| Thinner | 0.08000 00 | Liter |
| Brass Tablet | 1.00000 00 | Unit |
| Paku | 0.50000 00 | Kg |
| Cat | 0.40000 00 | Liter |
| Papan | 6.00000 00 | Lemb ar |
| Kawat | 0.01000 00 | Kg |

| | | | | | | |
|--|--|--|--|--|--|---|
| | | | | | | c) Jumlah |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) |



| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---|----------|-------------|---------------|---|------------|----------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3. | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2. | Staking Out | B.9.3.2.2.ag. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan)-Pilar Alumunium | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.4000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.4000000 | UH |
| | | | | | | | | | Basecamp | 1.0000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 3.8000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| Alumunium | 2.4000000 | Lembar | | | | | | | | | |
| Kawat | 0.0250000 | Kg | | | | | | | | | |
| Plak Kuningan | 2.0000000 | Unit | | | | | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.ah. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0500000 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0500000 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0500000 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.3000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.3000000 | OH |
| | | | | | sedang, | | | | Tukang | 0.3000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.3000000 | OH |
| | | | | | ringan, | | | | Tenaga Lokal (Porter 2) | 0.3000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 0.3000000 | OH |
| | | | | | sedang)-Pilar | | | | Tenaga Lokal (Porter 4) | 0.3000000 | OH |
| | | | | | Aluminium | | | | Tenaga Lokal (Porter 5) | 0.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.3000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.3000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.3000000 | UH |
| | | | | | | | | | Basecamp | 0.7500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 2.8500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.6000000 | UH |
| | | | | | | | | | b) Jumlah | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.ai. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0666667 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | sedang, | | | | Tukang | 0.4000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | sedang, | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | sedang)-Pilar | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.4000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.4000000 | UH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|-----------------------|-------------------|----------------|--------------|---|-----------|--------|
| | | | | | | | | | Basecamp | 1.0000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 3.8000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.aj. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0833333 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0833333 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.5000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.5000000 | OH |
| | | | | | sedang, | | | | Tukang | 0.5000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| | | | | | berat, kondisi | | | | Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| | | | | | alam sedang)- | | | | Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| | | | | | Pilar | | | | Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 5) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.5000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.5000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.5000000 | UH |
| | | | | | | | | | Basecamp | 1.2500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 4.7500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.ak. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0500000 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0500000 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan | 0.0500000 | OH |
| | | | | | kesulitan | | | | Pemasangan Pilar | | |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (1) | 0.3000000 | OH |
| | | | | | berat, | | | | Surveyor Pengukuran (2) | 0.3000000 | OH |
| | | | | | keamanan | | | | Tukang | 0.3000000 | OH |
| | | | | | ringan, | | | | Tenaga Lokal (Porter 1) | 0.3000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 2) | 0.3000000 | OH |
| | | | | | ringan)-Pilar | | | | | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------------|--|-------------------|-----------------------------|--------------|---|-----------|--------|
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 3) | 0.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.3000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.3000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.3000000 | UH |
| | | | | | | | | | Basecamp | 0.7500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 2.8500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.6000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. 2.al. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--------------|---------------------|--|---------------------------|-----------------------|--------------|-------------------------|-----------|--------|
| | | | | | berat, keamanan sedang, kondisi alam ringan)-Pilar Alumunium | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | Tukang | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Daftar Alat | | | | | |
| | | | | | | Generator | 0.4000000 | UH | | | |
| | | | | | | Kamera Digital Geotagging | 0.4000000 | UH | | | |
| | | | | | | Basecamp | 1.0000000 | UH | | | |
| | | | | | | Perlengkapan Flying Camp | 3.8000000 | UH | | | |
| | | | | | | Mobil di Lokasi | 0.8000000 | UH | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Daftar Bahan | | | | | |
| | | | | | | Alumunium | 2.4000000 | Lembar | | | |
| | | | | | | Kawat | 0.0250000 | Kg | | | |
| | | | | | | Plak Kuningan | 2.0000000 | Unit | | | |
| | | | | | Brass Tablet | 1.0000000 | Unit | | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | |
| | | | | B.9.3.2. | Pemasangan Pilar di | Konstruksi | Bangunan Fisik | Titik | Daftar Personil | | |
| | | | 2.am. | Ketua Tim Pelaksana | | | | | 0.0833333 | OH | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|------|--|--------|--------|--------|--|-----------|--------|
| | | | | | Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam ringan)-Pilar Alumunium | | Pilar | | Staff Administrasi | 0.0833333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.5000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.5000000 | OH |
| | | | | | | | | | Tukang | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.5000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.5000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.5000000 | UH |
| | | | | | | | | | Basecamp | 1.2500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 4.7500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-------------------|---|------------|----------------------|--------|---|-----------|--------|
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. 2.an. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam sedang)-Pilar Alumunium | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.4000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.4000000 | UH |
| | | | | | | | | | Basecamp | 1.0000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 3.8000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.8000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.a0. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0833333 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0833333 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.5000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.5000000 | OH |
| | | | | | berat, | | | | Tukang | 0.5000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| | | | | | sedang, | | | | Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| | | | | | sedang)-Pilar | | | | Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 5) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.5000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 0.5000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.5000000 | UH |
| | | | | | | | | | Basecamp | 1.2500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 4.7500000 | UH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|-----------------------|-------------------|----------------|--------------|---|-----------|--------|
| | | | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.ap. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.1000000 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.1000000 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.1000000 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.6000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.6000000 | OH |
| | | | | | berat, | | | | Tukang | 0.6000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.6000000 | OH |
| | | | | | berat, kondisi | | | | Tenaga Lokal (Porter 2) | 0.6000000 | OH |
| | | | | | alam sedang)- | | | | Tenaga Lokal (Porter 3) | 0.6000000 | OH |
| | | | | | Pilar | | | | Tenaga Lokal (Porter 4) | 0.6000000 | OH |
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 5) | 0.6000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.6000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| | | | | | | | | | Generator | 0.6000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.6000000 | UH |
| | | | | | | | | | Basecamp | 1.5000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 5.7000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.2000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.aq. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.1833333 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.1833333 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.1833333 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 1.1000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 1.1000000 | OH |
| | | | | | khusus, | | | | Tukang | 1.1000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 1.1000000 | OH |
| | | | | | ringan, | | | | Tenaga Lokal (Porter 2) | 1.1000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 1.1000000 | OH |
| | | | | | ringan)-Pilar | | | | Tenaga Lokal (Porter 4) | 1.1000000 | OH |
| | | | | | Alumunium | | | | | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|------------|--------|
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.1000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 1.1000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.1000000 | UH |
| | | | | | | | | | Basecamp | 2.7500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 10.4500000 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.2000000 | UH |
| | | | | | | | | | Helikopter | 1.1000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.ar. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.2000000 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.2000000 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan | 0.2000000 | OH |
| | | | | | kesulitan | | | | Pemasangan Pilar | | |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (1) | 1.2000000 | OH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
|------|---------|------|-------------|------|---|---------------------------|--------|--------|-------------------------|-----------|-----------------|--------|
| | | | | | khusus, keamanan sedang, kondisi alam ringan)-Pilar Alumunium | | | | Surveyor Pengukuran (2) | 1.2000000 | OH | |
| | | | | | | Tukang | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 1) | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 2) | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 3) | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 4) | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 5) | | | | 1.2000000 | OH | |
| | | | | | | Tenaga Lokal (Porter 6) | | | | 1.2000000 | OH | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Daftar Alat | | | | | | |
| | | | | | | Generator | | | | | 1.2000000 | UH |
| | | | | | | Kamera Digital Geotagging | | | | | 1.2000000 | UH |
| | | | | | | Basecamp | | | | | 3.0000000 | UH |
| | | | | | | Perlengkapan Flying Camp | | | | | 11.4000000 0 | UH |
| | | | | | | Mobil di Lokasi | | | | | 2.4000000 | UH |
| | | | | | | Helikopter | | | | | 1.2000000 | UH |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Daftar Bahan | | | | | | |
| | | | | | | Alumunium | | | | | 2.4000000 | Lembar |
| | | | | | | Kawat | | | | | 0.0250000 | Kg |
| | | | | | Plak Kuningan | | | | | 2.0000000 | Unit | |
| | | | | | Brass Tablet | | | | | 1.0000000 | Unit | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-------------------|---|------------|-----------------------------|--------|---|-----------------|--------|
| | | | | B.9.3.2. 2.as. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan berat, kondisi alam ringan)- Pilar Alumunium | Konstruksi | Banguna n Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.2166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.3000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.3000000 | OH |
| | | | | | | | | | Tukang | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.3000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 1.3000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.3000000 | UH |
| | | | | | | | | | Basecamp | 3.2500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 12.3500000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.6000000 | UH |
| | | | | | | | | | Helikopter | 1.3000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.at. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.2000000 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.2000000 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2000000 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 1.2000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 1.2000000 | OH |
| | | | | | khusus, | | | | Tukang | 1.2000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 1.2000000 | OH |
| | | | | | ringan, | | | | Tenaga Lokal (Porter 2) | 1.2000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 1.2000000 | OH |
| | | | | | sedang)-Pilar | | | | Tenaga Lokal (Porter 4) | 1.2000000 | OH |
| | | | | | Alumunium | | | | Tenaga Lokal (Porter 5) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 1.2000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.2000000 | UH |
| | | | | | | | | | Basecamp | 3.0000000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 11.4000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|----------|--|------------|----------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | 0 | |
| | | | | | | | | | Mobil di Lokasi | 2.4000000 | UH |
| | | | | | | | | | Helikopter | 1.2000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan sedang, kondisi alam sedang)-Pilar Alumunium | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | 2.au. | | | | | Ketua Tim Pelaksana | 0.2166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.2166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.3000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.3000000 | OH |
| | | | | | | | | | Tukang | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.3000000 | OH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|-----------------------|-------------------|----------------|--------------|---|-----------------|--------|
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Generator | 1.3000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.3000000 | UH |
| | | | | | | | | | Basecamp | 3.2500000 | UH |
| | | | | | | | | | Perlengkapan Flying Camp | 12.3500000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.6000000 | UH |
| | | | | | | | | | Helikopter | 1.3000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Alumunium | 2.4000000 | Lembar |
| | | | | | | | | | Kawat | 0.0250000 | Kg |
| | | | | | | | | | Plak Kuningan | 2.0000000 | Unit |
| | | | | | | | | | Brass Tablet | 1.0000000 | Unit |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pemasangan | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.av. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.2333333 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.2333333 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2333333 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 1.4000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 1.4000000 | OH |
| | | | | | khusus, | | | | Tukang | 1.4000000 | OH |
| | | | | | keamanan | | | | | | |
| | | | | | berat, kondisi | | | | | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|---|---------------------------|-----------------|-------------|-------------------------|-----------|--------|
| | | | | | alam sedang)- Pilar Alumunium | | | | Tenaga Lokal (Porter 1) | 1.4000000 | OH |
| | | | | | | Tenaga Lokal (Porter 2) | 1.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 3) | 1.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 4) | 1.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 5) | 1.4000000 | OH | | | |
| | | | | | | Tenaga Lokal (Porter 6) | 1.4000000 | OH | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Daftar Alat | | | | | |
| | | | | | | Generator | 1.4000000 | UH | | | |
| | | | | | | Kamera Digital Geotagging | 1.4000000 | UH | | | |
| | | | | | | Basecamp | 3.5000000 | UH | | | |
| | | | | | | Perlengkapan Flying Camp | 13.3000000 | UH | | | |
| | | | | | | Mobil di Lokasi | 2.8000000 | UH | | | |
| | | | | | | Helikopter | 1.4000000 | UH | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Daftar Bahan | | | | | |
| | | | | | | Alumunium | 2.4000000 | Lembar | | | |
| | | | | | | Kawat | 0.0250000 | Kg | | | |
| | | | | | | Plak Kuningan | 2.0000000 | Unit | | | |
| | | | | | | Brass Tablet | 1.0000000 | Unit | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | | | | |
| | | | | B.9.3.2. | Demobilisasi | | Berita acara | Dokum en | Daftar Personil | | |
| | | | | 3. | | Ketua Tim Pelaksana | | | 1.0000000 | OH | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|---|--------|---|----------------|---|------------|--------|
| | | | | | | | demobilisasi | | Staff Administrasi | 0.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | | | | | Surveyor Pengukuran | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Tiket Transportasi | 4.0000000 | UH |
| | | | | | | | | | Mobil Base ke Bandara | 1.0000000 | UH |
| | | | | | | | | | Mobil Bandara ke Penginapan | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.2. | Pelaporan Pemasangan Pilar Batas Negara RI-PNG | | Laporan pemasangan pilar batas negara RI-PNG | Dokumen | Personil | | |
| | | | | 4. | | | | | Ketua Tim | 5.0000000 | OH |
| | | | | | | | | | Staf Administrasi | 5.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 5.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 15.0000000 | UH |
| | | | | | | | | | | 0 | |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|---|-------------------|---|----------------|--|-----------|--------|
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Jumlah Alat dan Bahan (b+c) | | |
| | | | | B.9.3.3. | Penyiapan Alat dan Personil Pengukuran Pilar Batas Negara RI-PNG | Koordinasi | Surat Ijin Pelaksanaan Pekerjaan | Dokumen | Daftar Personil | | |
| | | | | 1. | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | | | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.0000000 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 4.0000000 | UH |
| | | | | | | | | | Kompas | 1.0000000 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 1.0000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | | | | | | Generator | 1.0000000 | UH |
| | | | | | | | | | Basecamp | 3.0000000 | UH |
| | | | | | | | | | Helikopter | 0.0000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | | | c) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------------------|--|------------|----------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3. 2.a. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.1000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.1000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.2500000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.1000000 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 0.4000000 | UH |
| | | | | | | | | | Kompas | 0.1000000 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.1000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.1000000 | UH |
| | | | | | | | | | Generator | 0.1000000 | UH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|-----------------|----------------------|-------------------|----------------|--------------|---|-----------|--------|
| | | | | | | | | | Basecamp | 0.2500000 | UH |
| | | | | | | | | | Helikopter | 0.1000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.2000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3. | Pengukuran | Konstruksi | Banguna | Titik | Daftar Personil | | |
| | | | | 2.b. | Pilar di | | n Fisik | | Ketua Tim Pelaksana | 0.0333333 | OH |
| | | | | | Lapangan | | Pilar | | Staff Administrasi | 0.0333333 | OH |
| | | | | | (dengan | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | kesulitan | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | aksesibilitas | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | rendah, | | | | Tukang | 0.2000000 | OH |
| | | | | | keamanan | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | sedang, | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | kondisi alam | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | ringan) | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.5000000 | UH |

B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG

| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|------|-----------------|--------|--------|--------|---|-----------|--------|
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.2000000 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 0.8000000 | UH |
| | | | | | | | | | Kompas | 0.2000000 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.2000000 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.2000000 | UH |
| | | | | | | | | | Generator | 0.2000000 | UH |
| | | | | | | | | | Basecamp | 0.5000000 | UH |
| | | | | | | | | | Helikopter | 0.2000000 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.4000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---|---------|-------------|--------------|---|------------|----------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3 | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2 | Staking Out | B.9.3.3.2.c. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| a) Jumlah | | | | | | | | | | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | | | | Helikopter | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|---|-------------------|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.d. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan ringan, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.033333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.033333 3 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.200000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.200000 0 | OH |
| | | | | | | | | | Tukang | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.200000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.200000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.500000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.200000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 0.800000 0 | UH |
| | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | Generator | 0.200000 0 | UH |
| | | | | | | | | | Basecamp | 0.500000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------|--|------------|----------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Helikopter | 0.200000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.e. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan sedang, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.300000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|-------------------|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | | | | Helikopter | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.f. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas rendah, keamanan berat, kondisi alam | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.066666 7 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | sedang) | | | | Surveyor Pengukuran (1) | 0.400000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.400000 0 | OH |
| | | | | | | | | | Tukang | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.600000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|--|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 1.000000 0 | UH |
| | | | | | | | | | Helikopter | 0.400000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.g. | Pengukuran Pilar di Lapangan (dengan kesulitan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.033333 3 | OH |
| | | | | | | | | | Staff | 0.033333 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | aksesibilitas sedang, keamanan ringan, kondisi alam ringan) | | | | Administrasi | 3 | |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.2000000 | OH |
| | | | | | | | | | Tukang | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.5000000 | UH |
| | | | | | | | | | GPS Handheld | 0.2000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | dan kelengkapannya | 0 | |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 0.800000 0 | UH |
| | | | | | | | | | Kompas | 0.200000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.200000 0 | UH |
| | | | | | | | | | Generator | 0.200000 0 | UH |
| | | | | | | | | | Basecamp | 0.500000 0 | UH |
| | | | | | | | | | Helikopter | 0.200000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|--------------------|---|-------------------|-----------------------------|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.h | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan sedang, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | | | | Helikopter | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|-------------------|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.i. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.600000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | Generator | 0.400000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Basecamp | 1.000000 0 | UH |
| | | | | | | | | | Helikopter | 0.400000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.j. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan ringan, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|--|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 0.750000 0 | UH |
| | | | | | | | | | Helikopter | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.k | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilita | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.066666 7 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | s sedang, keamanan sedang, kondisi alam sedang) | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000000 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.4000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a | | |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.600000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 1.000000 0 | UH |
| | | | | | | | | | Helikopter | 0.400000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------|---|------------|----------------------|--------|--|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | B.9.3.3.2.1. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas sedang, keamanan berat, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0833333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.0833333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 3 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.500000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.500000 0 | OH |
| | | | | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.500000 0 | OH |
| | | | | | | | | | a) Jumlah | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.250000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 2.000000 0 | UH |
| | | | | | | | | | Kompas | 0.500000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.500000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | | | | Basecamp | 1.250000 0 | UH |
| | | | | | | | | | Helikopter | 0.500000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|-------------------|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.m. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan ringan, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.050000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.050000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.050000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.300000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.300000 0 | OH |
| | | | | | | | | | Tukang | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.300000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 0.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.200000 0 | UH |
| | | | | | | | | | Kompas | 0.300000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.300000 0 | UH |
| | | | | | | | | | Generator | 0.300000 0 | UH |
| | | | | | | | | | Basecamp | 0.750000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|--------------------|--|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Helikopter | 0.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.n | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff Administrasi | 0.066666 7 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.066666 7 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.400000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.400000 0 | OH |
| | | | | | | | | | Tukang | 0.400000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.400000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.400000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.000000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.400000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.600000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.400000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 1.000000 0 | UH |
| | | | | | | | | | Helikopter | 0.400000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.o. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.083333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.083333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.083333 3 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | ringan) | | | | Surveyor Pengukuran (1) | 0.500000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.500000 0 | OH |
| | | | | | | | | | Tukang | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.500000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.500000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.250000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 2.000000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|--|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Kompas | 0.500000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.500000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | | | | Basecamp | 1.250000 0 | UH |
| | | | | | | | | | Helikopter | 0.500000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.p. | Pengukuran Pilar di Lapangan (dengan kesulitan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.066666 7 | OH |
| | | | | | | | | | Staff | 0.066666 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|--|--------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | aksesibilitas berat, keamanan ringan, kondisi alam sedang) | | | | Administrasi | 7 | |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.0000000 | UH |
| | | | | | | | | | GPS Handheld | 0.4000000 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | dan kelengkapannya | 0 | |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 1.600000 0 | UH |
| | | | | | | | | | Kompas | 0.400000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.400000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.400000 0 | UH |
| | | | | | | | | | Generator | 0.400000 0 | UH |
| | | | | | | | | | Basecamp | 1.000000 0 | UH |
| | | | | | | | | | Helikopter | 0.400000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 0.800000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|--|-------------------|-----------------------------|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.q. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan sedang, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.0833333 | OH |
| | | | | | | | | | Staff Administrasi | 0.0833333 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0833333 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.5000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.5000000 | OH |
| | | | | | | | | | Tukang | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.5000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.500000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.250000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.500000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 2.000000 0 | UH |
| | | | | | | | | | Kompas | 0.500000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.500000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.500000 0 | UH |
| | | | | | | | | | Generator | 0.500000 0 | UH |
| | | | | | | | | | Basecamp | 1.250000 0 | UH |
| | | | | | | | | | Helikopter | 0.500000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.000000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|---------------------|---|-------------------|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.r. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas berat, keamanan berat, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.100000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.100000 0 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.100000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 0.600000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 0.600000 0 | OH |
| | | | | | | | | | Tukang | 0.600000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 0.600000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 0.600000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 0.600000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 0.600000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 0.600000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 0.600000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 1.500000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 0.600000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 2.400000 0 | UH |
| | | | | | | | | | Kompas | 0.600000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 0.600000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 0.600000 0 | UH |
| | | | | | | | | | Generator | 0.600000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|---|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Basecamp | 1.500000 0 | UH |
| | | | | | | | | | Helikopter | 0.600000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 1.200000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.s. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.183333 3 | OH |
| | | | | | | | | | Staff Administrasi | 0.183333 3 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.183333 3 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.100000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.100000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Tukang | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.100000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.100000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 2.750000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.100000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 4.400000 0 | UH |
| | | | | | | | | | Kompas | 1.100000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|---------------------|--|-------------------|-----------------------------|--------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 1.100000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.100000 0 | UH |
| | | | | | | | | | Generator | 1.100000 0 | UH |
| | | | | | | | | | Basecamp | 2.750000 0 | UH |
| | | | | | | | | | Helikopter | 1.100000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.200000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | B.9.3.3.2.t. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilita | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.200000 0 | OH |
| | | | | | | | | | Staff Administrasi | 0.200000 0 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|---|--------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | s khusus, keamanan sedang, kondisi alam ringan) | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.200000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.200000 0 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.200000 0 | OH |
| | | | | | | | | | Tukang | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.200000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.200000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.000000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.200000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | a | | |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 4.800000 0 | UH |
| | | | | | | | | | Kompas | 1.200000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 1.200000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.200000 0 | UH |
| | | | | | | | | | Generator | 1.200000 0 | UH |
| | | | | | | | | | Basecamp | 3.000000 0 | UH |
| | | | | | | | | | Helikopter | 1.200000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.400000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|--------------------|--|---------------|----------------------|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | B.9.3.3.2.u | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan berat, kondisi alam ringan) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2166667 | OH |
| | | | | | | | | | Staff Administrasi | 0.2166667 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166667 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.3000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.3000000 | OH |
| | | | | | | | | | Tukang | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | | | | | Tenaga Lokal | 1.3000000 | OH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---------|------|-------------|------|-----------------|--------|--------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | (Porter 2) | 0 | |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.300000 0 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.300000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 3.250000 0 | UH |
| | | | | | | | | | GPS Handheld dan kelengkapannya | 1.300000 0 | UH |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 5.200000 0 | UH |
| | | | | | | | | | Kompas | 1.300000 0 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 1.300000 0 | UH |
| | | | | | | | | | Kamera Digital Geotagging | 1.300000 0 | UH |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|---|----------------|-------------|--------------------|-------------|------------------------|---------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | | Generator | 1.300000 0 | UH |
| | | | | | | | | | Basecamp | 3.250000 0 | UH |
| | | | | | | | | | Helikopter | 1.300000 0 | UH |
| | | | | | | | | | Mobil di Lokasi | 2.600000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|---|----------|-------------|-------------|--|------------|----------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.3 | Densifikasi dan Pengukuran Pilar Batas RI - PNG | B.9.2.2. | Staking Out | B.9.3.3.2.v | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas khusus, keamanan ringan, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 0.2000000 | OH |
| | | | | | | | | | Staff Administrasi | 0.2000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (1) | 1.2000000 | OH |
| | | | | | | | | | Surveyor Pengukuran (2) | 1.2000000 | OH |
| | | | | | | | | | Tukang | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 1) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 2) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 3) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 4) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 5) | 1.2000000 | OH |
| | | | | | | | | | Tenaga Lokal (Porter 6) | 1.2000000 | OH |



| a) Jumlah | | |
|---|-----------|----|
| Daftar Alat | | |
| Laptop | 3.0000000 | UH |
| GPS Handheld dan kelengkapannya | 1.2000000 | UH |
| GPS Geodetik dan Kelengkapannya | 4.8000000 | UH |
| Kompas | 1.2000000 | UH |
| Software Pengolahan Data GPS Geodetik | 1.2000000 | UH |
| Kamera Digital Geotagging | 1.2000000 | UH |
| Generator | 1.2000000 | UH |
| Basecamp | 3.0000000 | UH |
| Helikopter | 1.2000000 | UH |
| Mobil di Lokasi | 2.4000000 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| | | |
| c) Jumlah | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

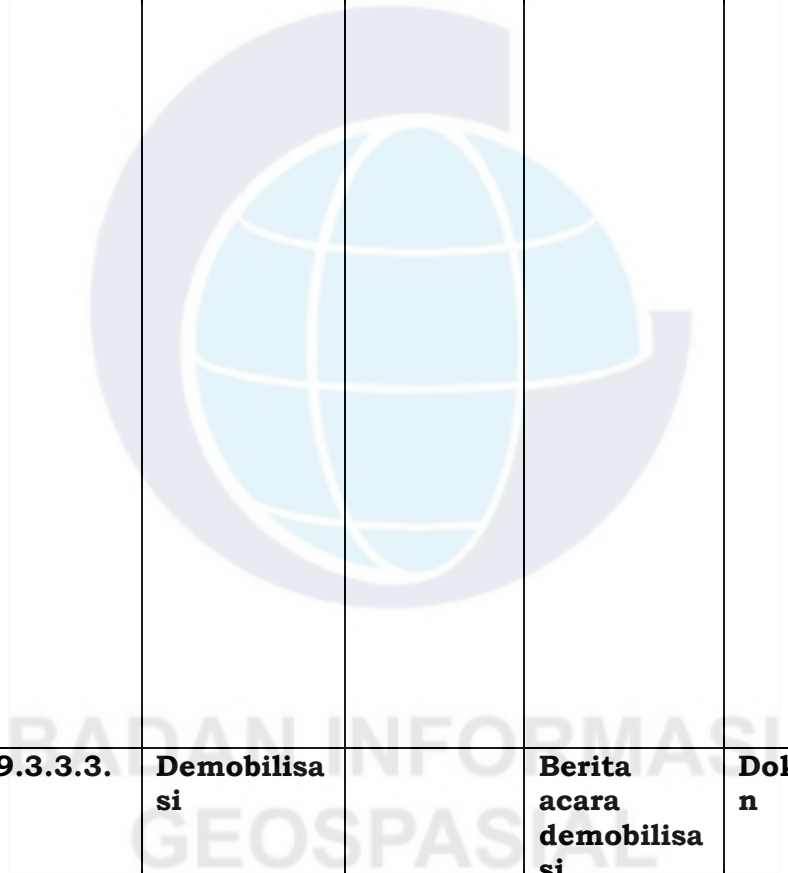
| | | | | | | | |
|--------------------------------|--|-------------------|---------------------------------------|--------------|--|-----------|----|
| B.9.3.3.2. w. | Pengukuran Pilar di Lapangan (dengan kesulitan aksesibilitas husus, keamanan sedang, kondisi alam sedang) | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| | | | | | Ketua Tim Pelaksana | 0.2166667 | OH |
| | | | | | Staff Administrasi | 0.2166667 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.2166667 | OH |
| | | | | | Surveyor Pengukuran (1) | 1.3000000 | OH |
| | | | | | Surveyor Pengukuran (2) | 1.3000000 | OH |
| | | | | | Tukang | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 1) | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 2) | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 3) | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 4) | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 5) | 1.3000000 | OH |
| | | | | | Tenaga Lokal (Porter 6) | 1.3000000 | OH |
| | | | | | a) Jumlah | | |
| Daftar Alat | | | | | | | |
| Laptop | 3.2500000 | UH | | | | | |



| | | | | | | | |
|-------------------|---|-------------------|-----------------------------|--------------|---|-----------|----|
| | | | | | GPS Handheld dan kelengkapannya | 1.3000000 | UH |
| | | | | | GPS Geodetik dan Kelengkapannya | 5.2000000 | UH |
| | | | | | Kompas | 1.3000000 | UH |
| | | | | | Software Pengolahan Data GPS Geodetik | 1.3000000 | UH |
| | | | | | Kamera Digital Geotagging | 1.3000000 | UH |
| | | | | | Generator | 1.3000000 | UH |
| | | | | | Basecamp | 3.2500000 | UH |
| | | | | | Helikopter | 1.3000000 | UH |
| | | | | | Mobil di Lokasi | 2.6000000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.3.2. | Pengukuran Pilar di Lapangan (dengan | Konstruksi | Bangunan Fisik Pilar | Titik | Daftar Personil | | |
| x. | | | | | Ketua Tim Pelaksana | 0.2333333 | OH |

kesulitan aksesibilitas khusus, keamanan berat, kondisi alam sedang)

| | | |
|--|-----------|----|
| Staff Administrasi | 0.2333333 | OH |
| Koordinator Pembuatan dan Pemasangan Pilar | 0.2333333 | OH |
| Surveyor Pengukuran (1) | 1.4000000 | OH |
| Surveyor Pengukuran (2) | 1.4000000 | OH |
| Tukang | 1.4000000 | OH |
| Tenaga Lokal (Porter 1) | 1.4000000 | OH |
| Tenaga Lokal (Porter 2) | 1.4000000 | OH |
| Tenaga Lokal (Porter 3) | 1.4000000 | OH |
| Tenaga Lokal (Porter 4) | 1.4000000 | OH |
| Tenaga Lokal (Porter 5) | 1.4000000 | OH |
| Tenaga Lokal (Porter 6) | 1.4000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 3.5000000 | UH |
| GPS Handheld dan kelengkapannya | 1.4000000 | UH |



| | | | | | | |
|-------------------|---------------------|----------------------------------|----------------|---|-----------|----|
| | | | | GPS Geodetik dan Kelengkapannya | 5.6000000 | UH |
| | | | | Kompas | 1.4000000 | UH |
| | | | | Software Pengolahan Data GPS Geodetik | 1.4000000 | UH |
| | | | | Kamera Digital Geotagging | 1.4000000 | UH |
| | | | | Generator | 1.4000000 | UH |
| | | | | Basecamp | 3.5000000 | UH |
| | | | | Helikopter | 1.4000000 | UH |
| | | | | Mobil di Lokasi | 2.8000000 | UH |
| | | | | b) Jumlah | | |
| | | | | Daftar Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.3.3. | Demobilisasi | Berita acara demobilisasi | Dokumen | Daftar Personil | | |
| | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | Staff Administrasi | 0.0000000 | OH |

| | | | | | | | |
|-------------------|---|--|---|----------------|---|-----------|----|
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | Surveyor Pengukuran | 2.0000000 | OH |
| | | | | | a) Jumlah | | |
| | | | | | Daftar Alat | | |
| | | | | | Tiket Transportasi | 4.0000000 | UH |
| | | | | | Mobil Base ke Bandara | 1.0000000 | UH |
| | | | | | Mobil Bandara ke Penginapan | 1.0000000 | UH |
| | | | | | b) Jumlah | | |
| | | | | | Daftar Bahan | | |
| | | | | | -- | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.3.3.4. | Pelaporan Pengukuran Pilar Batas Negara RI-PNG | | Laporan Pengukuran Pilar Batas negara RI-PNG | Dokumen | Personil | | |
| | | | | | Ketua Tim | 5.0000000 | OH |
| | | | | | Staf Administrasi | 5.0000000 | OH |
| | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 5.0000000 | OH |
| | | | | | a) Jumlah | | |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

| | | |
|--|----------------|----|
| Alat | | |
| Laptop | 15.000000 0 | UH |
| b) Jumlah | | |
| Bahan | | |
| | | |
| c) Jumlah | | |
| d) Standar Biaya Sub- Sub Tahapan (a+b+c) | | |

| B.9. Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI-PNG | | | | | | | | | | | |
|--|-----------------------------|----------|---|------|-----------------|------------|--------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Kode | Sub-sub Tahapan | Metode | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.9.4 | Pengolahan Data Pilar Batas | B.9.4.1. | Penyiapan Alat dan Personil Pengolahan Data Pilar Batas | | | Koordinasi | | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | | | | | | Staff Administrasi | 1.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | | | | | Surveyor Pengolahan Data | 2.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 5.0000000 | UH |
| | | | | | | | | | Software CAD berlisensi | 3.0000000 | UH |
| | | | | | | | | | Software Pengolahan Data GPS Geodetik | 1.0000000 | UH |
| | | | | | | | | | Printer | 1.0000000 | UH |
| | | | | | | | | | Basecamp | 5.0000000 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |

| | | | | | | | | |
|-----------------|---|--|--|----------------------------|------------------------------|---|--|--------------|
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.4.2. | Pengolahan Data Pengukuran Pilar Batas | | | Pengolahan Data GPS | Koordinat Titik Pilar | Titik | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.0250000 OH |
| | | | | | | | Staff Administrasi | 0.0250000 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0250000 OH |
| | | | | | | | Surveyor Pengolahan Data | 0.0500000 OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 0.1250000 UH |
| | | | | | | | Software CAD berlisensi | 0.0750000 UH |
| | | | | | | | Software Pengolahan Data GPS Geodetik | 0.0250000 UH |
| | | | | | | | Printer | 0.0250000 UH |
| | | | | | | | Basecamp | 0.1250000 UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |

| | | | | | | | | | | | |
|--------------|--|-----------------|---|--|--|--|--|----------------|---|-----------------|----|
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | B.9.4.3. | Pelaporan Pengolahan Data Pengukuran Pilar Batas | | | | Laporan Pengolahan Pengukuran Pilar Batas | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 5.0000000 | OH |
| | | | | | | | | | Staff Administrasi | 5.0000000 | OH |
| | | | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 5.0000000 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 15.0000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5 | Pembuatan Deskripsi Pilar Batas | B.9.5.1. | Penyiapan Alat dan Personil Pembuatan | | | | Dokumen hasil persiapan alat dan | Dokumen | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |

| | | | | | | | | |
|----------|------------------------------------|--|--|--|---------------------------|--|------------------------|-----------------|
| RI-PNG | Deskripsi Pilar Batas RI-PNG | | | | personil | Staff Administrasi | 1.0000000 | OH |
| | | | | | | Koordinator Pembuatan Deskripsi Pilar Batas Negara RI-RDTL | 1.0000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 2.0000000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | UH |
| | | | | | | Kamera Digital Geotagging | 1.0000000 | UH |
| | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.2. | Mobilisasi | | | | Berita acara demobilisasi | Dokumen | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 1.0000000 OH |
| | | | | | | | Staff Administrasi | 0.0000000 OH |

| | | | | | | | | | |
|------------------|---|--|--|---------------|---|----------------|---|-----------|----|
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | | | Surveyor Pengukuran | 2.0000000 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Tiket Transportasi | 4.0000000 | UH |
| | | | | | | | Mobil Base ke Bandara | 1.0000000 | UH |
| | | | | | | | Mobil Bandara ke Penginapan | 1.0000000 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | -- | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.3.a | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Berat dan Kondisi | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0833333 | OH |
| | | | | | | | Staff Administrasi | 0.0833333 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan | 0.0833333 | OH |

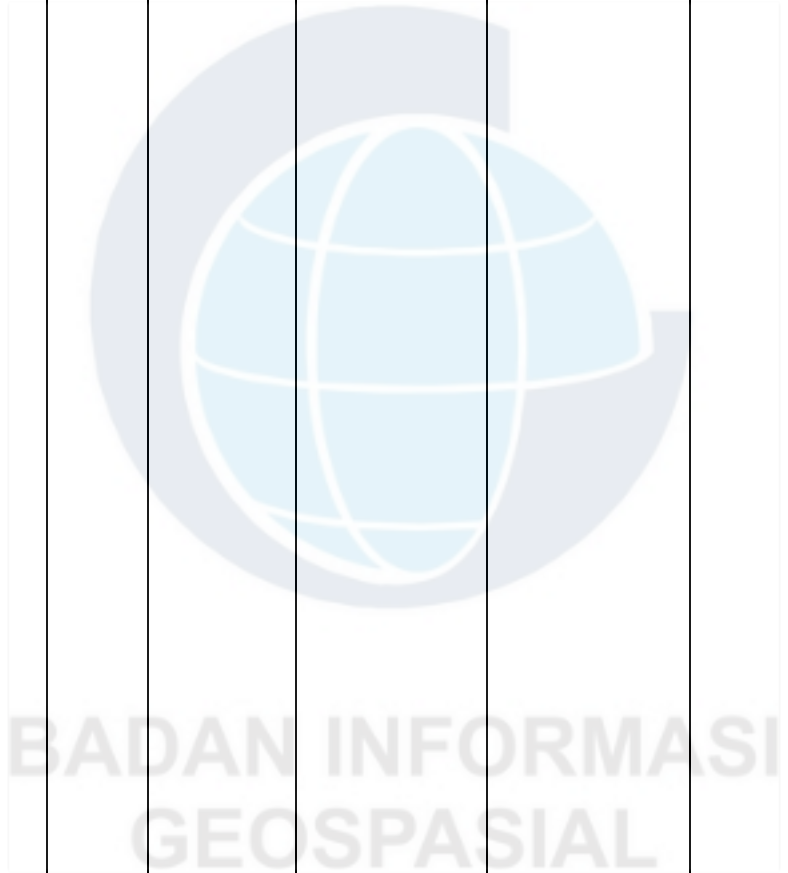
| | | | | | | | |
|--|--|--|------------------------|--|--|--|--|
| | | | Keamanan Berat) | | | | |
|--|--|--|------------------------|--|--|--|--|

| | | |
|-------------------------------------|-----------|----|
| Pilar | | |
| Surveyor Pengukuran (1) | 0.5000000 | OH |
| Surveyor Pengukuran (2) | 0.5000000 | OH |
| Tukang | 0.5000000 | OH |
| Tenaga Lokal (Porter 1) | 0.5000000 | OH |
| Tenaga Lokal (Porter 2) | 0.5000000 | OH |
| Tenaga Lokal (Porter 3) | 0.5000000 | OH |
| Tenaga Lokal (Porter 4) | 0.5000000 | OH |
| Tenaga Lokal (Porter 5) | 0.5000000 | OH |
| Tenaga Lokal (Porter 6) | 0.5000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 1.2500000 | UH |
| GPS Handheld dan Kelengkapannya | 0.5000000 | UH |
| Software Pengolah Data GPS Handheld | 1.0000000 | UH |
| Kamera Digital Geotagging | 0.5000000 | UH |

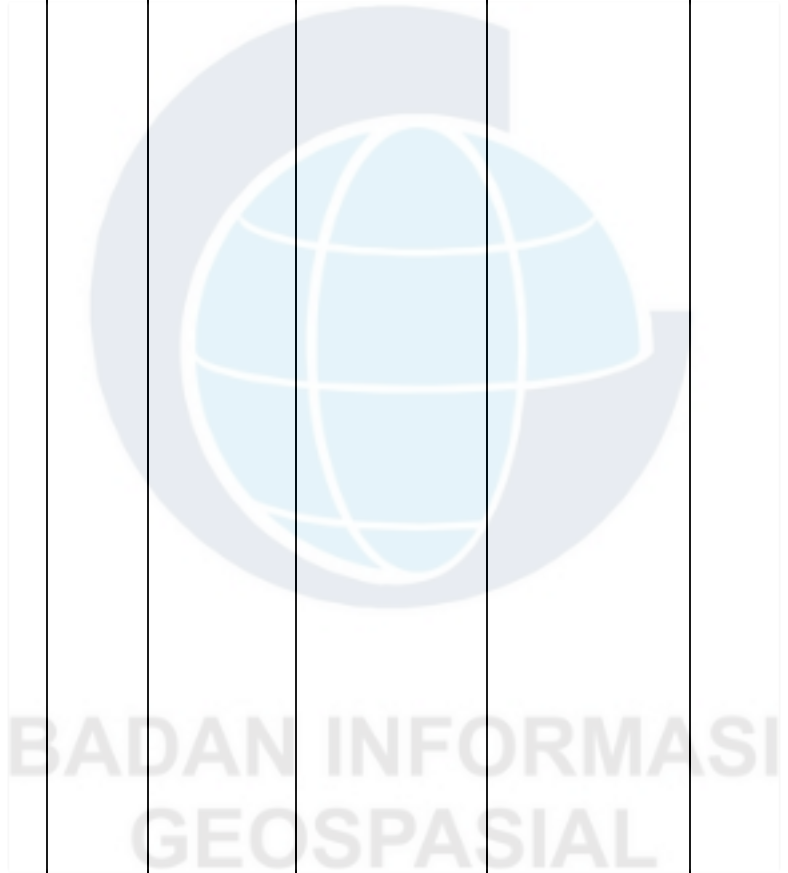
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| | | | | | | | | | |
|------------------|--|--|--|---------------|---|----------------|---|-----------|----|
| | | | | | | | Mobil di Lokasi | 1.0000000 | UH |
| | | | | | | | Basecamp | 1.2500000 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.3.b | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Berat dan Kondisi Keamanan Sedang) | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0666667 | OH |
| | | | | | | | Staff Administrasi | 0.0666667 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 | OH |
| | | | | | | | Surveyor Pengukuran (1) | 0.4000000 | OH |
| | | | | | | | Surveyor Pengukuran (2) | 0.4000000 | OH |
| | | | | | | | Tukang | 0.4000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| | | | | | | | Tenaga Lokal | 0.4000000 | OH |

| | | | | | | | | | |
|-----------|----------------------------|--|--|--------|-------------------------------|---------|---|-----------|----|
| | | | | | | | (Porter 3) | | |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Laptop | 1.0000000 | UH |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.4000000 | UH |
| | | | | | | | Software Pengolah Data GPS Handheld | 0.8000000 | UH |
| | | | | | | | Kamera Digital Geotagging | 0.4000000 | UH |
| | | | | | | | Mobil di Lokasi | 0.8000000 | UH |
| | | | | | | | Basecamp | 1.0000000 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | | Daftar Personil | | |
| | | | | | | | Ketua Tim | 0.0500000 | OH |
| B.9.5.3.c | Survei Pembuatan Deskripsi | | | Survei | Dokumen Deskripsi Pilar Batas | Dokumen | | | |



| | | | | | | | | |
|--------------------|--|--|--|---------------|---|---|--|--------------|
| | | | | | | ya | | |
| | | | | | | Software Pengolah Data GPS Handheld | 0.6000000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.3000000 | UH |
| | | | | | | Mobil di Lokasi | 0.6000000 | UH |
| | | | | | | Basecamp | 0.7500000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.3. d. | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Sedang dan Kondisi Keamanan Berat) | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | Daftar Personil | |
| | | | | | | | Ketua Tim Pelaksana | 0.0666667 OH |
| | | | | | | | Staff Administrasi | 0.0666667 OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0666667 OH |
| | | | | | | | Surveyor Pengukuran (1) | 0.4000000 OH |
| | | | | | | | Surveyor Pengukuran (2) | 0.4000000 OH |



| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | |
|---|-----------|----|
| Tukang | 0.4000000 | OH |
| Tenaga Lokal (Porter 1) | 0.4000000 | OH |
| Tenaga Lokal (Porter 2) | 0.4000000 | OH |
| Tenaga Lokal (Porter 3) | 0.4000000 | OH |
| Tenaga Lokal (Porter 4) | 0.4000000 | OH |
| Tenaga Lokal (Porter 5) | 0.4000000 | OH |
| Tenaga Lokal (Porter 6) | 0.4000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 1.0000000 | UH |
| GPS Handheld dan Kelengkapannya | 0.4000000 | UH |
| Software Pengolah Data GPS Handheld | 0.8000000 | UH |
| Kamera Digital Geotagging | 0.4000000 | UH |
| Mobil di Lokasi | 0.8000000 | UH |
| Basecamp | 1.0000000 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| | | |
| c) Jumlah | | |

| | | | | | | | | | |
|------------------|---|--|--|---------------|---|---|--|-----------|----|
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | | |
| B.9.5.3.e | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Sedang dan Kondisi Keamanan Sedang) | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0500000 | OH |
| | | | | | | | Staff Administrasi | 0.0500000 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0500000 | OH |
| | | | | | | | Surveyor Pengukuran (1) | 0.3000000 | OH |
| | | | | | | | Surveyor Pengukuran (2) | 0.3000000 | OH |
| | | | | | | | Tukang | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 4) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 5) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 6) | 0.3000000 | OH |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----|--|--------|--------------------------------------|---------|--|------------------------|--|--|---------------------|-----------|----|---------------------------------|-----------|----|--|-----------|----|---------------------------|-----------|----|-----------------|-----------|----|----------|-----------|----|
| | | | | | | | a) Jumlah <table border="1"> <tr> <td>Daftar Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.7500000</td> <td>UH</td> </tr> <tr> <td>GPS Handheld dan Kelengkapannya</td> <td>0.3000000</td> <td>UH</td> </tr> <tr> <td>Software Pengolah Data GPS Handheld</td> <td>0.6000000</td> <td>UH</td> </tr> <tr> <td>Kamera Digital Geotagging</td> <td>0.3000000</td> <td>UH</td> </tr> <tr> <td>Mobil di Lokasi</td> <td>0.6000000</td> <td>UH</td> </tr> <tr> <td>Basecamp</td> <td>0.7500000</td> <td>UH</td> </tr> </table> | Daftar Alat | | | Laptop | 0.7500000 | UH | GPS Handheld dan Kelengkapannya | 0.3000000 | UH | Software Pengolah Data GPS Handheld | 0.6000000 | UH | Kamera Digital Geotagging | 0.3000000 | UH | Mobil di Lokasi | 0.6000000 | UH | Basecamp | 0.7500000 | UH |
| Daftar Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.7500000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Handheld dan Kelengkapannya | 0.3000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software Pengolah Data GPS Handheld | 0.6000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital Geotagging | 0.3000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil di Lokasi | 0.6000000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basecamp | 0.7500000 | UH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | b) Jumlah <table border="1"> <tr> <td>Daftar Bahan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> | Daftar Bahan | | | | | | | | | | | | | | | | | | | | |
| Daftar Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | c) Jumlah | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) <table border="1"> <tr> <td>Daftar Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>0.0333333</td> <td>OH</td> </tr> <tr> <td>Staff Administrasi</td> <td>0.0333333</td> <td>OH</td> </tr> <tr> <td>Koordinator Pembuatan dan Pemasangan Pilar</td> <td>0.0333333</td> <td>OH</td> </tr> </table> | Daftar Personil | | | Ketua Tim Pelaksana | 0.0333333 | OH | Staff Administrasi | 0.0333333 | OH | Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH | | | | | | | | | |
| Daftar Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 0.0333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 0.0333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.9.5.3.f | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Sedang dan Kondisi Keamanan | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|--|----------------|--|--|--|--|
| | | | Ringan) | | | | |
|--|--|--|----------------|--|--|--|--|

| | | |
|-------------------------------------|-----------|----|
| Surveyor Pengukuran (1) | 0.2000000 | OH |
| Surveyor Pengukuran (2) | 0.2000000 | OH |
| Tukang | 0.2000000 | OH |
| Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 0.5000000 | UH |
| GPS Handheld dan Kelengkapannya | 0.2000000 | UH |
| Software Pengolah Data GPS Handheld | 0.4000000 | UH |
| Kamera Digital Geotagging | 0.2000000 | UH |
| Mobil di Lokasi | 0.4000000 | UH |
| Basecamp | 0.5000000 | UH |

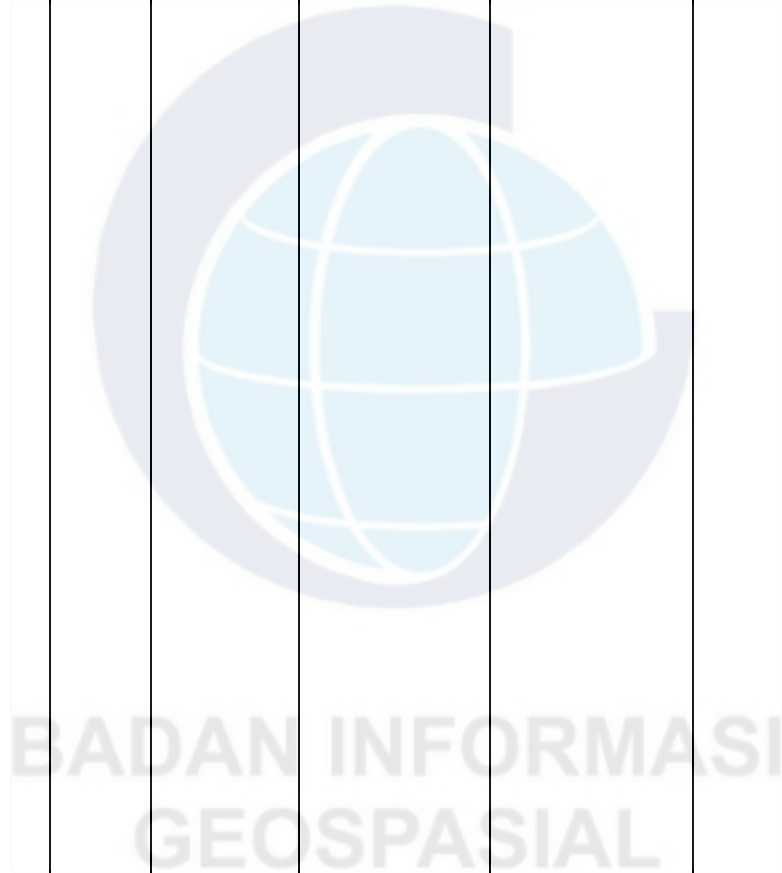
| | | | | | | | | | |
|------------------|--|--|---------------|---|----------------|--|---|-----------|----|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.3.g | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Ringan dan Kondisi Keamanan Berat) | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0500000 | OH |
| | | | | | | | Staff Administrasi | 0.0500000 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0500000 | OH |
| | | | | | | | Surveyor Pengukuran (1) | 0.3000000 | OH |
| | | | | | | | Surveyor Pengukuran (2) | 0.3000000 | OH |
| | | | | | | | Tukang | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 1) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 2) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal (Porter 3) | 0.3000000 | OH |
| | | | | | | | Tenaga Lokal | 0.3000000 | OH |

| | | | | | | | | |
|-------------------|--|--|--|---------------|---|---|-----------|----|
| | | | | | | (Porter 4) | | |
| | | | | | | Tenaga Lokal (Porter 5) | 0.3000000 | OH |
| | | | | | | Tenaga Lokal (Porter 6) | 0.3000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.7500000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.3000000 | UH |
| | | | | | | Software Pengolah Data GPS Handheld | 0.6000000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.3000000 | UH |
| | | | | | | Mobil di Lokasi | 0.6000000 | UH |
| | | | | | | Basecamp | 0.7500000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 0.0333333 | OH |
| | | | | | | Staff | 0.0333333 | OH |
| B.9.5.3.h. | Survei Pembuatan Deskripsi Pilar Batas RI-PNG | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | | |

(dengan
Kondisi
Alam
Ringan dan
Kondisi
Keamanan
Sedang)

| | | |
|--|-----------|----|
| Administrasi | | |
| Koordinator Pembuatan dan Pemasangan Pilar | 0.0333333 | OH |
| Surveyor Pengukuran (1) | 0.2000000 | OH |
| Surveyor Pengukuran (2) | 0.2000000 | OH |
| Tukang | 0.2000000 | OH |
| Tenaga Lokal (Porter 1) | 0.2000000 | OH |
| Tenaga Lokal (Porter 2) | 0.2000000 | OH |
| Tenaga Lokal (Porter 3) | 0.2000000 | OH |
| Tenaga Lokal (Porter 4) | 0.2000000 | OH |
| Tenaga Lokal (Porter 5) | 0.2000000 | OH |
| Tenaga Lokal (Porter 6) | 0.2000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 0.5000000 | UH |
| GPS Handheld dan Kelengkapannya | 0.2000000 | UH |
| Software | 0.4000000 | UH |

| | | | | | | | | | |
|------------------|---|--|--|---------------|---|----------------|---|-----------|----|
| | | | | | | | Pengolah Data GPS Handheld | | |
| | | | | | | | Kamera Digital Geotagging | 0.2000000 | UH |
| | | | | | | | Mobil di Lokasi | 0.4000000 | UH |
| | | | | | | | Basecamp | 0.5000000 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.3.i | Survei Pembuatan Deskripsi Pilar Batas RI-PNG (dengan Kondisi Alam Ringan dan Kondisi Keamanan Ringan) | | | Survei | Dokumen Deskripsi Pilar Batas RI-PNG | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 0.0166667 | OH |
| | | | | | | | Staff Administrasi | 0.0166667 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 0.0166667 | OH |
| | | | | | | | Surveyor Pengukuran (1) | 0.1000000 | OH |
| | | | | | | | Surveyor Pengukuran (2) | 0.1000000 | OH |
| | | | | | | | Tukang | 0.1000000 | OH |
| | | | | | | | Tenaga Lokal | 0.1000000 | OH |



| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

| | | |
|---|-----------|----|
| (Porter 1) | | |
| Tenaga Lokal (Porter 2) | 0.1000000 | OH |
| Tenaga Lokal (Porter 3) | 0.1000000 | OH |
| Tenaga Lokal (Porter 4) | 0.1000000 | OH |
| Tenaga Lokal (Porter 5) | 0.1000000 | OH |
| Tenaga Lokal (Porter 6) | 0.1000000 | OH |
| a) Jumlah | | |
| Daftar Alat | | |
| Laptop | 0.2500000 | UH |
| GPS Handheld dan Kelengkapannya | 0.1000000 | UH |
| Software Pengolah Data GPS Handheld | 0.2000000 | UH |
| Kamera Digital Geotagging | 0.1000000 | UH |
| Mobil di Lokasi | 0.2000000 | UH |
| Basecamp | 0.2500000 | UH |
| b) Jumlah | | |
| Daftar Bahan | | |
| | | |
| c) Jumlah | | |
| d) Standar Biaya Sub-Sub Tahapan | | |

| | | | | | | | | | |
|-----------------|----------------------------|--|--|--|----------------------------------|----------------|---|-----------|----|
| | | | | | | | (a+b+c) | | |
| B.9.5.4. | Demobilisasi | | | | Berita acara demobilisasi | Dokumen | Daftar Personil | | |
| | | | | | | | Ketua Tim Pelaksana | 1.0000000 | OH |
| | | | | | | | Staff Administrasi | 0.0000000 | OH |
| | | | | | | | Koordinator Pembuatan dan Pemasangan Pilar | 1.0000000 | OH |
| | | | | | | | Surveyor Pengukuran | 2.0000000 | OH |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Daftar Alat | | |
| | | | | | | | Tiket Transportasi | 4.0000000 | UH |
| | | | | | | | Mobil Base ke Bandara | 1.0000000 | UH |
| | | | | | | | Mobil Bandara ke Penginapan | 1.0000000 | UH |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Daftar Bahan | | |
| | | | | | | | -- | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| B.9.5.5. | Pelaporan Pembuatan | | | | Laporan Pembuatan | Dokumen | Daftar Personil | | |

| | | | Deskripsi Pilar Batas RI-PNG | | | Deskripsi Pilar Batas Negara RI- PNG | | | Ketua Tim Pelaksana Staff Administrasi Koordinator Pembuatan Deskripsi Pilar Batas RI-PNG | 5.0000000 5.0000000 5.0000000 | OH OH OH |
|-------|---|--|------------------------------------|--|--|---|--|---------|--|-------------------------------------|----------------|
| B.9.6 | Pelaporan Akhir Pekerjaan Densifikasi dan Pengukuran Pilar Batas RI- PNG | | | | | Laporan Hasil dan Album Peta | | Dokumen | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 10.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Daftar Bahan | | |
| | | | | | | | | | | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |
| | | | | | | | | | Daftar Personil | | |
| | | | | | | | | | Ketua Tim Pelaksana | 14.000000 0 | OH |
| | | | | | | | | | Staf Administrasi | 14.000000 0 | OH |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Daftar Alat | | |
| | | | | | | | | | Laptop | 28.000000 0 | UH |
| | | | | | | | | | Printer | 14.000000 0 | UH |
| | | | | | | | | | b) Jumlah | | |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

| Daftar Bahan | | |
|---|-----------------|-------------|
| Kertas HVS A4 | 2.0000000 | Rim |
| ATK | 1.0000000 | Set |
| Penjilidan A4 | 10.0000000 0 | Rangka p |
| Harddisk Eksternal | 1.0000000 | Unit |
| Tinta Printer | 0.2000000 | Paket |
| c) Jumlah | | |
| d) Standar Biaya Sub-Sub Tahapan (a+b+c) | | |

Analisis Biaya Keluaran Kegiatan

- h. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar**

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar dipengaruhi oleh faktor produktifitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar:

1. Faktor Keamanan

Faktor keamanan adalah salah satu faktor penghambat pekerjaan dilapangan terkait dengan kondisi lingkungan yang dijadikan lokasi tujuan survei. Faktor keamanan ini dikelaskan menjadi 3, yaitu:

Keamanan Berat : Merupakan kondisi dimana masyarakat setempat melarang kegiatan survei dilaksanakan dan pihak satgas pamtas tidak dapat menjamin pelaksanaan.

Keamanan Sedang : Merupakan kondisi dimana Pihak satgas pamtas dapat menjamin keamanan pelaksanaan dengan kondisi2 tertentu. Misal : pelaksanaan tidak dapat dilaksanakan pada hari Ibadah.

Keamanan Ringan : Merupakan kondisi dimana tidak ada hambatan terkait keamanan.

2. Faktor Alam

Faktor alam juga merupakan salah satu faktor penghambat pekerjaan dilapangan. Faktor alam ini berkaitan dengan bencana alam yang dapat terjadi di lapangan. Faktor alam dikelaskan menjadi 3, yaitu:

Alam Berat : Merupakan kondisi ketika dilapangan terjadi bencana longsor, banjir, badai sehingga tidak dapat dilaksanakan survey.

Alam Sedang : Merupakan kondisi ketika dilapangan terjadi hujan, angin ribut sehingga menghambat mobilisasi di lapangan.

Alam Ringan : Merupakan kondisi ketika tidak ada hambatan terkait kondisi alam yang telah disebutkan pada dua kelas sebelumnya.

3. Faktor Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk makan akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Tabel berikut menunjukkan besaran koefisien pada Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar:

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|--|-----------------|---|--|---------------|--------------------------------------|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| B.6.1. | Persiapan Pemotretan Udara menggunakan Wahana UAV | B.6.1.1. | Pembuatan Rencana Teknis Pekerjaan | Pembagian Blok terbang, rencana jalur penerbangan, rencana | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 3.000000 | OH |
| | | | | | | Staff Administrasi | 3.000000 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 3.000000 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol | 3.000000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|----------------|---|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | lokasi premark dan kalibrasi kamera | | UAV | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 3.000000 | UH |
| | | | | | | Workstation PC | 9.000000 | UH |
| | | | | | | Printer | 3.000000 | UH |
| | | | | | | Software Fotogrametri | 3.000000 | UH |
| | | | | | | Software SIG | 3.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A4 | 0.020000 | Rim |
| | | | | | | Tinta Printer | 0.002000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.1.2 | Pembuatan Rencana Detail Kegiatan Pemotretan Udara | Jadwal kegiatan, manajemen personil, manajemen | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.000000 | OH |
| | | | | | | Staf Administrasi | 4.000000 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 4.000000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | | | | |
|---|----------------|----------------|--|-----------------------------|---------------|---|------------------|---------------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Menggunakan Wahana UAV | peralatan, penyediaan bahan | | | 00 | | | | |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 4.000000 | OH | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 8.000000 | UH | | | |
| | | | | | | PC Workstation | 8.000000 | UH | | | |
| | | | | | | Printer | 4.000000 | UH | | | |
| | | | | | | Scanner | 4.000000 | UH | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | Kertas HVS A4 | 0.020000 | Rim | | | |
| | | | | | | Tinta Printer | 0.002000 | set | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| | | B.6.1.3 | Pelaporan Persiapan pemotretan udara menggunakan wahana | Laporan Persiapan | Dokumen | Personil | | | | | |
| | | | | | | Ketua Tim | 3.000000 | OH | | | |
| | | | | | | Staf Administrasi | 3.000000 | OH | | | |
| | | | | | | Koordinator Pemotretan Udara UAV | 3.000000 | OH | | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|--|-----------------|-------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | UAV | | | | 00 | |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 3.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.6.2 | Pemasangan dan Pengukuran Premark UAV | B.6.2.1. | Mobilisasi | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | OH |
| | | | | | | Staf Administrasi | 1.000000 | OH |
| | | | | | | Koordinator Pemotretan Udara dengan UAV | 1.000000 | OH |
| | | | | | | Surveyor Pengukuran | 2.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil Base ke Bandara | 1.000000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|-------------------|--|------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.3.a. | Pemasangan dan Pengukuran Premark UAV (dengan keamanan ringan, alam ringan) | Bentuk Fisik GCP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0138889 | OH |
| | | | | | | Staf Administrasi | 0.0138889 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.0138889 | OH |
| | | | | | | Surveyor Pengukuran | 0.1666667 | OH |
| | | | | | | Tenaga Lokal | 0.1666667 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2083333 | UH |
| | | | | | | Kompas | 0.1666667 | UH |
| | | | | | | Kamera Digital Geotagging | 0.1666667 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.1666667 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.1666667 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.1666667 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|-------------------|--|------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Basecamp | 0.208333 | UH |
| | | | | | | Mobil di Lokasi | 0.166667 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.3.b. | Pemasangan dan Pengukuran Premark UAV (dengan keamanan sedang, alam ringan) | Bentuk Fisik GCP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.016667 | OH |
| | | | | | | Staf Administrasi | 0.016667 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.016667 | OH |
| | | | | | | Surveyor Pengukuran | 0.200000 | OH |
| | | | | | | Tenaga Lokal | 0.200000 | OH |
| | | | | | | a) Jumlah | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|-------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.250000 | UH |
| | | | | | | Kompas | 0.200000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.200000 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.200000 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.200000 | UH |
| | | | | | | Basecamp | 0.250000 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|-------------------|---|------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | B.6.2.3.c. | Pemasangan dan Pengukuran Premark UAV (dengan keamanan berat, alam ringan) | Bentuk Fisik GCP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0208333 | OH |
| | | | | | | Staf Administrasi | 0.0208333 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.0208333 | OH |
| | | | | | | Surveyor Pengukuran | 0.2500000 | OH |
| | | | | | | Tenaga Lokal | 0.2500000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3125000 | UH |
| | | | | | | Kompas | 0.2500000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.2500000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.2500000 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.2500000 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.2500000 | UH |
| | | | | | | Basecamp | 0.3125000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|-------------------|--|------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Mobil di Lokasi | 0.250000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.3.d. | Pemasangan dan Pengukuran Premark UAV (dengan keamanan ringan, alam sedang) | Bentuk Fisik GCP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.016667 | OH |
| | | | | | | Staf Administrasi | 0.016667 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.016667 | OH |
| | | | | | | Surveyor Pengukuran | 0.200000 | OH |
| | | | | | | Tenaga Lokal | 0.200000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.250000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|---------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Kompas | 0.200000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.200000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.200000 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.200000 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.200000 | UH |
| | | | | | | Basecamp | 0.250000 | UH |
| | | | | | | Mobil di Lokasi | 0.200000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2. | Pemasangan | Bentuk | Titik | Personil | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|------|--|-----------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | 3.e. | dan Pengukuran Premark UAV (dengan keamanan sedang, alam sedang) | Fisik GCP | | Ketua Tim | 0.020833 | OH |
| | | | | | | Staf Administrasi | 0.020833 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.020833 | OH |
| | | | | | | Surveyor Pengukuran | 0.250000 | OH |
| | | | | | | Tenaga Lokal | 0.250000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.312500 | UH |
| | | | | | | Kompas | 0.250000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.250000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.250000 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.250000 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.250000 | UH |
| | | | | | | Basecamp | 0.312500 | UH |
| | | | | | | Mobil di Lokasi | 0.250000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|-------------------|---|------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.3.f. | Pemasangan dan Pengukuran Premark UAV (dengan keamanan berat, alam sedang) | Bentuk Fisik GCP | Titik+G14 | Personil | | |
| | | | | | | Ketua Tim | 0.0277778 | OH |
| | | | | | | Staf Administrasi | 0.0277778 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.0277778 | OH |
| | | | | | | Surveyor Pengukuran | 0.6666667 | OH |
| | | | | | | Tenaga Lokal | 0.6666667 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.7500000 | UH |
| | | | | | | Kompas | 0.3333333 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|----------------|------------------------|--------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 33 | |
| | | | | | | Kamera Digital Geotagging | 0.333333 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.333333 | UH |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.333333 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 0.333333 | UH |
| | | | | | | Basecamp | 0.750000 | UH |
| | | | | | | Mobil di Lokasi | 0.333333 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Terpal | 1.000000 | lembar |
| | | | | | | Kayu | 1.000000 | buah |
| | | | | | | Kawat | 0.100000 | kg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.4 | Survey Toponimi | Koordinat, foto dan keterangan | NLP (4 km2) | Personil | | |
| | | | | | | Ketua Tim | 0.005000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|-----------------|---------------------------------|------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | n | | Staf Administrasi | 0.005000 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 0.005000 | OH |
| | | | | | | Surveyor Pengukuran | 0.050000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.065000 | UH |
| | | | | | | Kamera Digital Geotagging | 0.050000 | UH |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.050000 | UH |
| | | | | | | Basecamp | 0.065000 | UH |
| | | | | | | Mobil | 0.050000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.100000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.2.5. | Pelaporan Pemasangan dan | Laporan pemasangan dan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|-----------------------------|----------------|--|---|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Pengukuran Premark UAV | pengukuran premark UAV | | Staf Administrasi | 3.000000 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 3.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.6.3 | Pemotretan Udara UAV | B.6.3.1 | Uji Coba Terbang dan Pengenalan Medan | Arah angin, kecepatan angin, tinggi terbang | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.500000 | OH |
| | | | | | | Staff Administrasi | 0.500000 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 0.500000 | OH |
| | | | | | | Pilot | 1.000000 | OH |
| | | | | | | Navigator | 1.000000 | OH |
| | | | | | | Teknisi UAV | 1.000000 | OH |
| | | | | | | Operator Pemotretan Udara UAV | 1.000000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|-------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 1.00000 00 | UH |
| | | | | | | Basecamp | 5.50000 00 | UH |
| | | | | | | Laptop | 1.00000 00 | UH |
| | | | | | | UAV Elektrik (include kamera dan lensa fokus) | 1.00000 00 | UH |
| | | | | | | Software Akuisisi Pemotretan Udara | 1.50000 00 | UH |
| | | | | | | Aki | 1.00000 00 | UH |
| | | | | | | Power Inverter | 1.00000 00 | UH |
| | | | | | | GPS Handheld | 1.00000 00 | UH |
| | | | | | | Kamera Digital | 1.00000 00 | UH |
| | | | | | | Anemometer | 1.00000 00 | UH |
| | | | | | | PC Workstation | 1.50000 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|---------------|---------------------|-----------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.3. | Pemotretan | Data Foto | Hektar | Personil | | |
| | | 2.a. | Udara UAV | Udara | | Ketua Tim | 0.000500 | OH |
| | | | dengan | | | Staff Administrasi | 0.000500 | OH |
| | | | Elektrik | | | Koordinator Pemotretan Udara UAV | 0.000500 | OH |
| | | | (Cuaca Baik) | | | Pilot | 0.001000 | OH |
| | | | | | | Navigator | 0.001000 | OH |
| | | | | | | Teknisi UAV | 0.001000 | OH |
| | | | | | | Operator Pemotretan Udara UAV | 0.001000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil di Lokasi | 0.001000 | UH |
| | | | | | | Basecamp | 0.005500 | UH |
| | | | | | | Laptop | 0.004000 | UH |
| | | | | | | UAV Elektrik (include kamera dan lensa | 0.001000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|--------------------|---|-----------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | fokus) | 00 | |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.00100 00 | UH |
| | | | | | | Aki | 0.00100 00 | UH |
| | | | | | | Power Inverter | 0.00100 00 | UH |
| | | | | | | GPS Handheld | 0.00100 00 | UH |
| | | | | | | Kamera Digital | 0.00100 00 | UH |
| | | | | | | Anemometer | 0.00100 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.3. 2.b. | Pemotretan Udara UAV dengan Elektrik (Cuaca Buruk) | Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.00062 50 | OH |
| | | | | | | Staff Administrasi | 0.00062 50 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 0.00062 50 | OH |
| | | | | | | Pilot | 0.00125 00 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Navigator | 0.0012500 | OH |
| | | | | | | Teknisi UAV | 0.0012500 | OH |
| | | | | | | Operator Pemotretan Udara UAV | 0.0012500 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil di Lokasi | 0.0012500 | UH |
| | | | | | | Basecamp | 0.0068750 | UH |
| | | | | | | Laptop | 0.0031250 | UH |
| | | | | | | UAV Elektrik (include kamera dan lensa fokus) | 0.0012500 | UH |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.0006250 | UH |
| | | | | | | Aki | 0.0012500 | UH |
| | | | | | | Power Inverter | 0.0012500 | UH |
| | | | | | | GPS Handheld | 0.0012500 | UH |
| | | | | | | Kamera Digital | 0.0012500 | UH |
| | | | | | | Anemometer | 0.0012500 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|-----------------|---------------------|----------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | -- | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.3.3. | Demobilisasi | Tiket PP | | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | OH |
| | | | | | | Staff Administrasi | 1.00000 00 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 1.00000 00 | OH |
| | | | | | | Pilot | 1.00000 00 | OH |
| | | | | | | Navigator | 1.00000 00 | OH |
| | | | | | | Teknisi UAV | 1.00000 00 | OH |
| | | | | | | Operator Pemotretan Udara UAV | 1.00000 00 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil Base ke Bandara | 1.00000 00 | UH |
| | | | | | | Mobil Bandara ke Penginapan | 1.00000 00 | UH |
| | | | | | | Tiket Transportasi | 7.00000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|------------------------|-----------------|---------------------------------------|---------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | -- | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.3.4. | Pelaporan Pemotretan Udara UAV | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | OH |
| | | | | | | Staf Administrasi | 2.000000 | OH |
| | | | | | | Koordinator Pemotretan Udara UAV | 2.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.6.4 | Pengolahan Data | B.6.5.1 | Pengolahan Data GPS | Dokumen Report Kelengkapan Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.500000 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|----------------|------------------------------|--------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | dan Personil | | Staff Administrasi | 2.500000 | OH |
| | | | | | | Koordinator Pengukuran Titik Kontrol UAV | 2.500000 | OH |
| | | | | | | Surveyor Pengukuran | 5.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 | UH |
| | | | | | | PC Workstation | 15.000000 | UH |
| | | | | | | Software Pengolahan GPS Geodetik | 10.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.5.2 | Pengolahan Foto Udara | | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000625 | OH |
| | | | | | | Staff Administrasi | 0.000625 | OH |
| | | | | | | Koordinator Pengolahan Foto Udara UAV | 0.000625 | OH |
| | | | | | | Operator Pengolahan Foto Udara UAV | 0.00125 | OH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|----------------|----------------|---------------------------------|----------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00125 00 | UH |
| | | | | | | PC Workstation | 0.00375 00 | UH |
| | | | | | | Software Pengolahan Fotogrametri | 0.00250 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.5.3 | Pembuatan Data DEM (DTM) | Data DEM (DTM) | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.00041 67 | OH |
| | | | | | | Staff Administrasi | 0.00041 67 | OH |
| | | | | | | Koordinator Pengolahan Foto Udara UAV | 0.00041 67 | OH |
| | | | | | | Operator Pengolahan Foto Udara UAV | 0.00083 33 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00083 33 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|----------------|---------------------------------------|------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 0.002500 | UH |
| | | | | | | Software Pengolahan Fotogrametri | 0.001667 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.5.4 | Pembuatan Peta Garis Hasil UAV | Peta Garis | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.500000 | OH |
| | | | | | | Staff Administrasi | 0.500000 | OH |
| | | | | | | Koordinator Pengolahan Foto Udara UAV | 0.500000 | OH |
| | | | | | | Operator SIG | 1.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.000000 | UH |
| | | | | | | PC Workstation | 3.000000 | UH |
| | | | | | | Software GIS | 2.000000 | UH |
| | | | | | | b) Jumlah | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---------|---------------|--------------------------------------|------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.5. | Pembuatan Peta Foto Hasil UAV | Peta Garis | NLP | Daftar Personil | | |
| | | 5. | | | | Ketua Tim | 0.10000 00 | OH |
| | | | | | | Staff Administrasi | 0.10000 00 | OH |
| | | | | | | Koordinator Pengolahan Foto Udara UAV | 0.10000 00 | OH |
| | | | | | | Operator SIG | 0.20000 00 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 0.20000 00 | UH |
| | | | | | | Workstation PC | 0.30000 00 | UH |
| | | | | | | Software GIS | 0.30000 00 | UH |
| | | | | | | Software fotogrametri | 0.30000 00 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|---|--|-----------------|--|-------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | B.6.5.6. | Pelaporan Pengolahan Foto Udara UAV | Laporan Pengolahan Foto Udara | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | OH |
| | | | | | | Staf Administrasi | 2.000000 | OH |
| | | | | | | Koordinator Pengolahan Foto Udara UAV | 2.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| B.6.6. | Pelaporan Akhir Pemotretan Udara menggunakan Wahana UAV untuk Pembuat | | | Laporan Hasil dan Album Peta | Dokumen | Daftar Personil | | |
| | | | | | | Ketua Tim Pelaksana | 5.000000 | OH |
| | | | | | | Staf Administrasi | 5.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Daftar Alat | | |
| | | | | | | Laptop | 10.000000 | UH |

| B.6. Pemotretan Udara menggunakan Wahana UAV untuk Pembuatan Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | | | | |
|--|---|------|-------------|--------|--------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | n Peta Segmen Batas, Peta Koridor Batas, dan Peta Pulau Kecil Terluar | | | | | Printer | 5.000000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Daftar Bahan | | |
| | | | | | | Kertas HVS A3 | 0.500000 | Rim |
| | | | | | | Kertas HVS A4 | 2.000000 | Rim |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Penjilidan Album A3 | 10.000000 | Rangkap |
| | | | | | | Penjilidan A4 | 10.000000 | Rangkap |
| | | | | | | Harddisk Eksternal | 1.000000 | Unit |
| | | | | | | Tinta Printer | 0.210000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |



Analisa Biaya Keluaran Kegiatan

i. Pembangunan Stasiun *Continuously Operating Reference Station* (CORS)

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Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembangunan Stasiun CORS:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Mobilisasi peralatan dan bahan pembangunan stasiun CORS

Mudah : lokasi pembangunan stasiun CORS dapat diakses menggunakan jalur darat dari Cibinong

Sedang : tersedia jasa pengiriman dangerous good ke lokasi pembangunan stasiun CORS

Sulit : tidak tersedia jasa pengiriman dangerous good ke lokasi pembangunan stasiun CORS

4. Perijinan

Mudah : koordinasi antara penyedia layanan komunikasi tingkat pusat dengan penyedia layanan komunikasi cabang sudah sinkron

Sedang : koordinasi antara penyedia layanan komunikasi tingkat pusat dengan penyedia layanan komunikasi tingkat cabang belum sinkron, baru sampai tingkat daerah

Sulit : komunikasi antara penyedia layanan komunikasi tingkat pusat dengan penyedia layanan komunikasi tingkat daerah ataupun cabang belum sinkron

5. Ketersediaan infrastruktur komunikasi

Mudah : tersedia layanan VPN IP

Sedang : sudah tersedia infrastruktur fisik, namun layanan VPN IP belum tersedia

Sulit : tidak tersedia infrastruktur komunikasi

6. Penempatan pilar

Mudah : tersedia lahan terbuka

Sedang : tersedia lahan terbuka namun terdapat obstruksi

Sulit : tidak tersedia lahan terbuka dan tingkat obstruksi tinggi

Tabel berikut menunjukkan besaran koefisien pada Pembangunan Stasiun CORS:



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| C.1. Pembangunan Stasiun Tetap GNSS (CORS) | | | | | | | | | | | |
|--|----------------|--------------------------------------|---|--------------------------|-----------------------------|--------------------------------------|------------------------------------|--------------------------|--------|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | |
| C.1.1. | Persiapan Umum | C.1.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | |
| | | | | | | Koordinator Pembangunan Stasiun CORS | 6 | 2 | O.H | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | Spesifikasi/ Merk | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | |
| | | | | | | PC Workstation | | 2 | U.H | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | |
| | | | | | | b) Jumlah | | | | | |
| | | Bahan | | | | | | | | | |
| | | ATK | | 1 | set | | | | | | |
| | | c) Jumlah | | | | | | | | | |
| | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | C.1.1.2. | Persiapan Alat dan Personil | | Persiapan Alat dan Personil | Dokumen kesiapan alat dan | Set File | Personil | | Jenjang | |
| | | | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| Staff Administrasi | 2 | | | | | | | 1 | O.H | | |

| | | | | | | | |
|----------|--------------------------|-------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | personil | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | PC Workstation | | 0 | U.H |
| | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | Receiver GNSS | | 0 | U.H |
| | | | | UPS (Uninterruptible Power Supply) | | 0 | U.H |
| | | | | Antena Choke Ring | | 0 | U.H |
| | | | | Solar Panel | | 0 | U.H |
| | | | | Penangkal Petir Antena GPS | | 0 | U.H |
| | | | | Penangkal Petir Komunikasi Data | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.1.3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | a) Jumlah | | | |

| | | | | | | | | | |
|--------|---|----------|--------------------|--|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.2. | Persiapan Pembangunan Stasiun GNSS (CORS) | C.1.2.1. | Perizinan Lapangan | Surat izin mengadakan kegiatan pembangunan stasiun CORS ke instansi-instansi terkait | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| | | | | | | | | | | | |
|--------------|--|------------------------------------|----------|--------------------------------------|------------------------------------|--------------------------|-----|-----|--|--|--|
| C.1.2. 2. | Persiapan Alat dan Personil Persiapan Pembangunan Stasiun CORS | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | | | |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 2 | U.H | | | |
| | | | | PC Workstation | | | 1 | U.H | | | |
| | | | | Printer | A4, Berwarna | | 1 | U.H | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | ATK | | | 1 | set | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.1.2. 3. | Desain Instalasi Alat Stasiun Tetap GNSS (CORS) | Dokumen desain instalasi peralatan | Set File | Personil | | Jenjang | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | | |
| | | | | | | | | | | | |

| | | | | | | | |
|----------|---|---------------------------------------|---------|--------------------------------------|------------------------------------|--------------------------|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | PC Workstation | | 2 | U.H |
| | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.2.4. | Pelaporan Persiapan Pembangunan Stasiun | Laporan persiapan pembangunan stasiun | Dokumen | Personil | | Jenjang | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | Koordinator Pengukuran JKH | 6 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | | Spesifikasi/ Merk | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | PC Workstation | | 2 | U.H |
| | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |

| | | | | | | | | | | | | | | | |
|--------------|---|--------------|--|------------------------------------|----------|--------------------------------------|------------------------------------|------------------------------|-----|-----|--|--|--|--|--|
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| C.1.3. | Rekonese n Pembangu nan Stasiun CORS | C.1.3. 1. | Persiapan Alat dan Personil Rekonesen Pembangunan Stasiun CORS | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | |
| | | | | | | Staff Administrasi | 2 | 1 | O.H | | | | | | |
| | | | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H | | | | | | |
| | | | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/ Merk | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 5 | U.H | | | | | |
| | | | | | | Printer | A4, Berwarna | | 1 | U.H | | | | | |
| | | | | | | Mobil | | | 1 | U.H | | | | | |
| | | | | | | Kamera Digital | Geotagging | | 1 | U.H | | | | | |
| | | | | | | Mounting Antena | | | 0 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | |
| | | | | | | ATK | | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| C.1.3. 2. | Mobilisasi | Mobilisasi | Berita acara mobilisasi | Berita acara mobilisasi | Set File | Personil | | Jenjang | | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | | | |
| | | | | | | Staff Administrasi | 2 | 0 | O.H | | | | | | |

| | | | | | | | |
|----------|--|--|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 0 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 0 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Mobil | | 2 | U.H |
| | | | | Tiket Transportasi | | 5 | LS |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.3.3. | Peninjauan Lokasi Rencana Pembangunan Stasiun CORS | Dokumen peninjauan lokasi rencana pembangunan stasiun CORS | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |

| | | | | | | | |
|----------|--|--|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | Mobil | | 1 | U.H |
| | | | | Kamera Digital | | 1 | U.H |
| | | | | Akomodasi | | 5 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.3.4. | Penilaian Visibilitas Pembangunan Stasiun CORS | Dokumen penilaian visibilitas pembangunan stasiun CORS | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | Mobil | | 1 | U.H |
| | | | | Kamera Digital | | 1 | U.H |
| | | | | Akomodasi | | 5 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |

| | | | | | | | | | | |
|--------------|--|--|---------|--------------------------------------|------------------------------------|--------------------------|-----------------|-----|--|--|
| | | | | ATK | | 1 | set | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.1.3. 5. | Pembangunan Pilar Dudukan Antena (di atas permukaan tanah) | Fisik pilar antena, penentuan lokasi perangkat | Stasiun | Personil | | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 4 | O.H | | | |
| | | | | Staff Administrasi | 2 | 4 | O.H | | | |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 4 | O.H | | | |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 8 | O.H | | | |
| | | | | Tukang Batu | - | 16 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 20 | U.H | | |
| | | | | Mobil | | | 4 | U.H | | |
| | | | | Kamera Digital | | | 4 | U.H | | |
| | | | | Akomodasi | | | 20 | U.H | | |
| | | | | Mounting Antena | | | 0 | U.H | | |
| | | | | Alat pertukangan | | | 0 | U.H | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | Spesifikasi Bahan | | | | |
| | | | | Semen | | | 8.0729 16667 | sak | | |
| Pasir | | | 0.6875 | m ³ | | | | | | |

| | | | | | | | |
|--------------|---|--|---------|--------------------------------------|------------------------------------|---------------|----------------|
| | | | | Batu Split | | 0.8812 5 | m ³ |
| | | | | Besi Beton | 10 mm | 66.07 | kg |
| | | | | Air | | 214500 .00 | liter |
| | | | | Thinner | | 0.12 | liter |
| | | | | Paku | | 0.5 | kg |
| | | | | Papan Cor | | 9 | lembar |
| | | | | Cat | | 0.6 | liter |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.3. 5. | Pembangunan Pilar Dudukan Antena (di atap gedung) | Fisik pilar antena, penentuan lokasi perangkat | Stasiun | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 4 | O.H |
| | | | | Staff Administrasi | 2 | 4 | O.H |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 4 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 8 | O.H |
| | | | | Tukang Batu | - | 16 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 20 | U.H |
| | | | | Mobil | | 4 | U.H |
| | | | | Kamera Digital | | 4 | U.H |

| | | | | | | | |
|--------------|------------------------|--|-------------|--------------------------------------|--------------------------|-----------------|----------------|
| | | | | Akomodasi | | 20 | U.H |
| | | | | Mounting Antena | | 0 | U.H |
| | | | | Alat pertukangan | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | Semen | | 1.4895 83333 | sak |
| | | | | Pasir | | 0.0715 | m ³ |
| | | | | Batu Split | | 0.1072 5 | m ³ |
| | | | | Besi Beton | 10 mm | 26.28 | kg |
| | | | | Kawat | | 0.66 | kg |
| | | | | Air | | 37.24 | liter |
| | | | | Thinner | | 0.0325 | liter |
| | | | | Paku | | 0.5 | kg |
| | | | | Papan Cor | | 3 | lemba r |
| | | | | Cat | | 0.1625 | liter |
| | | | | Dinabold | Panjang 12 cm | 2 | buah |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.3. 6. | Pelaporan Rekonesen | Laporan rekonesen pembang unan stasiun | Dokume n | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | Koordinator Pengukuran JKH | 6 | 2 | O.H |
| | | | | a) Jumlah | | | |

| | | | | | | | | | |
|--------|---|----------|--|------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.4. | Instalasi Perangkat Stasiun Tetap GNSS (CORS) | C.1.4.1. | Persiapan Alat dan Personil Instalasi Perangkat Stasiun CORS (dengan internet) | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |

| | | | | | | | |
|--------|---|------------------------------------|----------|--------------------------------------|---------------|--------------------------|-----|
| | | | | Receiver GNSS | Trimble NetR9 | 0 | U.H |
| | | | | Solar Panel Mount | | 0 | U.H |
| | | | | UPS | | 0 | U.H |
| | | | | Modem GPRS | | 0 | U.H |
| | | | | Antena Choke Ring | | 0 | U.H |
| | | | | Solar Panel | | 0 | U.H |
| | | | | Box Panel (200 x 500 x 700 mm) | | 0 | U.H |
| | | | | Penangkal Petir Antena GPS | | 0 | U.H |
| | | | | Penangkal Petir Komunikasi Data | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.4. | Persiapan Alat dan Personil Instalasi Perangkat Stasiun CORS (dengan radio) | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | |
| 1. | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | | Spesifikasi/ Merk | |

| | | | | | | | |
|----------|--------------------------------|---------------------------|---------|--------------------------------------|------------------------------------|---|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | Mobil | | 1 | U.H |
| | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | Receiver GNSS | Trimble NetR9 | 0 | U.H |
| | | | | Solar Panel Mount | | 0 | U.H |
| | | | | UPS | | 0 | U.H |
| | | | | Komunikasi Radio | | 0 | U.H |
| | | | | Antena Choke Ring | | 0 | U.H |
| | | | | Solar Panel | | 0 | U.H |
| | | | | Box Panel (200 x 500 x 700 mm) | | 0 | U.H |
| | | | | Penangkal Petir Antena GPS | | 0 | U.H |
| | | | | Penangkal Petir Komunikasi Data | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | | | Personil | | | |
| | | | | Jenjang | | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| C.1.4.2. | Instalasi Alat di Stasiun CORS | Alat terinstal di stasiun | Stasiun | | | | |

| | | | | | | | | | | |
|--|--|--|-------------------------------------|--------------------------------------|------------------------------------|------------------------------|-----|--|--|--|
| | | | dan dokumen instalasi alat | Koordinator Pembangunan Stasiun CORS | 6 | 2 | O.H | | | |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 4 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H | | | |
| | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | Mobil | | 2 | U.H | | | |
| | | | | Kamera Digital | Geotagging | 2 | U.H | | | |
| | | | | Receiver GNSS | Trimble NetR9 | 0 | U.H | | | |
| | | | | Solar Panel Mount | | 0 | U.H | | | |
| | | | | UPS | | 0 | U.H | | | |
| | | | | Modem GPRS | | 0 | U.H | | | |
| | | | | Antena Choke Ring | | 0 | U.H | | | |
| | | | | Solar Panel | | 0 | U.H | | | |
| | | | | Box Panel (200 x 500 x 700 mm) | | 0 | U.H | | | |
| | | | | Penangkal Petir Antena GPS | | 0 | U.H | | | |
| | | | | Penangkal Petir Komunikasi Data | | 0 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | |

| | | | | | | | | | |
|--|--|----------|--|-----------------------|--------------------------------------|--------------------------------------|------------------------------------|---|-----|
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.1.4.3. | Uji Coba Alat di Stasiun Tetap GNSS (CORS) | Dokumen uji coba alat | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Receiver GNSS | Trimble NetR9 | 0 | U.H |
| | | | | | | Solar Panel Mount | | 0 | U.H |
| | | | | | | UPS | | 0 | U.H |
| | | | | | | Modem GPRS | | 0 | U.H |
| | | | | | | Antena Choke Ring | | 0 | U.H |
| | | | | | | Solar Panel | | 0 | U.H |
| | | | | | | Box Panel (200 x 500 x 700 mm) | | 0 | U.H |
| | | | | | | Penangkal Petir Antena GPS | | 0 | U.H |

| | | | | | | | |
|----------|--|--------------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | Penangkal Petir Komunikasi Data | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.4.4. | Pembuatan Deskripsi dan Log Site Stasiun | Dokumen log site stasiun | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 1 | O.H |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | Mobil | | 1 | U.H |
| | | | | Akomodasi | | 5 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |

| | | | | | | | | | | |
|--------------------------------------|--|--|----------|--------------------------------------|---|--------------------------|-----|---|-----|--|
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.1.4. 5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 0 | O.H | | | |
| | | | | Surveyor Pembangunan Stasiun CORS | 4 | 0 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | |
| | | | | Mobil | | | | 2 | U.H | |
| | | | | Tiket Transportasi | | | | 5 | LS | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | c) Jumlah | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |
| C.1.4. 6. | Pelaporan Instalasi Perangkat Stasiun CORS | Laporan instalasi perangkat stasiun CORS | Dokumen | Personil | | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | Koordinator Pembangunan Stasiun CORS | 6 | 2 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | | | | |
| | | | | | | | | | | |

| | | | | | | | | | |
|--------|-----------|----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|-------|
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.1.5. | Pelaporan | C.1.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Kertas HVS A4 | | 2 | rim |
| | | | | | | Tinta Printer | | 1 | paket |
| | | | | | | Penjilidan | | 3 | set |
| | | | | | | Harddisk Eksternal | | 1 | unit |
| | | | | | | ATK | | 1 | set |

| | | | | | |
|--|--|--|--|--|--------------------------------------|
| | | | | | c) Jumlah |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) |





Analisa Biaya Keluaran Kegiatan

j. Pemeliharaan Stasiun *Continuously Operating Reference Station* (CORS)

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemeliharaan Stasiun CORS:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Mobilisasi peralatan dan bahan pemeliharaan stasiun CORS

Mudah : lokasi pemeliharaan stasiun CORS dapat diakses menggunakan jalur darat dari Cibinong

Sedang : tersedia jasa pengiriman dangerous good ke lokasi pemeliharaan stasiun CORS

Sulit : tidak tersedia jasa pengiriman dangerous good ke lokasi pemeliharaan stasiun CORS

4. Tingkat obstruksi di sekitar pilar CORS

Rendah : tidak terdapat obstruksi di sekitar pilar CORS

Sedang : terdapat obstruksi di sekitar pilar CORS namun obstruksi diijinkan untuk dihilangkan

Sulit : terdapat obstruksi di sekitar pilar CORS namun obstruksi tidak diijinkan untuk dihilangkan

Tabel berikut menunjukkan besaran koefisien pada Pemeliharaan Stasiun CORS:

| C.2. Pemeliharaan Stasiun Tetap GNSS (CORS) | | | | | | | | | | | | | |
|---|----------------|--------------------------------------|---|--------------------------|-----------------------------|---------------------------------------|------------------------------------|---------------------------------------|----|----------------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa | | | | |
| C.2.1. | Persiapan Umum | C.2.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | | | | | |
| | | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 2 | | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 4 | | | | |
| | | | | | | PC Workstation | | | 2 | | | | |
| | | | | | | Printer | A4, Berwarna | | 2 | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | Bahan | | | | | | | | | | | |
| | | ATK | | | 1 | | | | | | | | |
| | | c) Jumlah | | | | | | | | | | | |
| | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | |
| | | C.2.1.2. | Persiapan Alat dan Personil | | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | | |
| | | | | | | | | Ketua Tim Pelaksana | 7 | 1 | | | |
| | | | | | | | | Staff Administrasi | 2 | 1 | | | |
| | | | | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 1 | | | |
| | | | | | | | | a) Jumlah | | | | | |

| | | | | | | | | | |
|--------|-----------|----------|--------------------------|-------------------|----------|--------------------------------------|------------------------------------|---|---|
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U |
| | | | | | | PC Workstation | | 0 | U |
| | | | | | | Printer | A4, Berwarna | 0 | U |
| | | | | | | Mobil | | 0 | U |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.2.1.3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | 0 |
| | | | | | | Staff Administrasi | 2 | 2 | 0 |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U |
| | | | | | | Printer | A4, Berwarna | 2 | U |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.2.2. | Persiapan | C.2.2.1. | Perizinan | Surat izin | Set File | Personil | Jenjang | | |

| | | | | | | | | | | | | | |
|--|---|------------------------------------|--|--|--------------------------------------|--|------------------------------------|----------|---------------------|---|----------------|---|--|
| Pemeliharaan Stasiun Tetap GNSS (CORS) | | Lapangan | mengadakan kegiatan pengoperasian dan pemeliharaan stasiun | | Ketua Tim Pelaksana | 7 | 2 | 0 | | | | | |
| | | | | | Staff Administrasi | 2 | 2 | 0 | | | | | |
| | | | | | a) Jumlah | | | | | | | | |
| | | | | | Alat | | Spesifikasi/Merk | | | | | | |
| | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 4 | | | | | |
| | | | | | Printer | | A4, Berwarna | 2 | | | | | |
| | | | | | b) Jumlah | | | | | | | | |
| | | | | | Bahan | | | | | | | | |
| | | | | | ATK | | | 1 | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | C.2.2.2. | Persiapan Alat dan Personil Pemeliharaan Stasiun Tetap GNSS (CORS) | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | |
| | | | | | | | | | Ketua Tim Pelaksana | 7 | 1 | 0 | |
| | | | | | | | | | Staff Administrasi | 2 | 1 | 0 | |
| Koordinator Pemeliharaan Stasiun CORS | 6 | 1 | 0 | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | |
| Alat | | Spesifikasi/Merk | | | | | | | | | | | |
| Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 2 | | | | | | | | | | |
| PC Workstation | | | 1 | | | | | | | | | | |
| Printer | | A4, Berwarna | 1 | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | |
| ATK | | | 1 | | | | | | | | | | |

| | | | | | | | | |
|--|----------|---|---|----------|---------------------------------------|------------------------------------|---|---|
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.2.3. | Pembuatan Dokumen Log Sheet Monitoring | Dokumen log sheet monitoring | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | 0 |
| | | | | | Staff Administrasi | 2 | 1 | 0 |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 1 | 0 |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | 0 |
| | | | | | PC Workstation | | 0 | 0 |
| | | | | | Printer | A4, Berwarna | 1 | 0 |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | ATK | | 1 | 0 |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.2.4. | Pelaporan Persiapan Pemeliharaan Stasiun CORS | Laporan persiapan pengoperasian dan pemeliharaan stasiun CORS | Dokumen | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | 0 |
| | | | | | Staff Administrasi | 2 | 2 | 0 |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 2 | 0 |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |

| | | | | | | | | | |
|--------|--|----------|--|------------------------------------|----------|---------------------------------------|------------------------------------|---|--|
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | |
| | | | | | | PC Workstation | | 2 | |
| | | | | | | Printer | A4, Berwarna | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.2.3. | Pemeliharaan Stasiun Tetap GNSS (CORS) | C.2.3.1. | Persiapan Alat dan Personil Pemeliharaan Stasiun Tetap GNSS (CORS) | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | |
| | | | | | | Staff Administrasi | 2 | 1 | |
| | | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 1 | |
| | | | | | | Surveyor Pemeliharaan Stasiun CORS | 4 | 2 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | |
| | | | | | | Printer | A4, Berwarna | 1 | |
| | | | | | | Mobil | | 1 | |
| | | | | | | Kamera Digital | Geotagging | 1 | |
| | | | | | | Toolkit | | 0 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| | | | | | | | | |
|--|----------|---|--|----------|---------------------------------------|------------------------------------|---|---|
| | | | | | ATK | | 1 | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | 0 |
| | | | | | Staff Administrasi | 2 | 0 | 0 |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 0 | 0 |
| | | | | | Surveyor Pemeliharaan Stasiun CORS | 4 | 0 | 0 |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | |
| | | | | | Mobil | | 2 | |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.3.3. | Pengecekan-Perbaikan Fisik Stasiun CORS | Dokumen log sheet maintenance fisik stasiun CORS | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | 0 |
| | | | | | Staff Administrasi | 2 | 1 | 0 |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 1 | 0 |

| | | | | | | | | |
|--|----------|--|--|----------|---------------------------------------|------------------------------------|---|---|
| | | | | | Surveyor Pemeliharaan Stasiun CORS | 4 | 2 | |
| | | | | | Tukang Batu | 1 | 2 | |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | |
| | | | | | Mobil | | 1 | |
| | | | | | Kamera Digital | Geotagging | 1 | |
| | | | | | Akomodasi | | 5 | |
| | | | | | Toolkit | | 0 | |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | Bahan Perbaikan Fisik Stasiun CORS | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.3.4. | Pengecekan-Perbaikan Alat Stasiun CORS | Dokumen log sheet maintenance fisik stasiun CORS | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | | 7 | 1 |
| | | | | | Staff Administrasi | | 2 | 1 |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | | 6 | 1 |
| | | | | | Surveyor Pemeliharaan Stasiun CORS | | 4 | 2 |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |

| | | | | | | | | |
|--|----------|--------------|---------------------------|----------|--|------------------------------------|---|--|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | |
| | | | | | Mobil | | 1 | |
| | | | | | Kamera Digital | Geotagging | 1 | |
| | | | | | Akomodasi | | 5 | |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | Alat di Stasiun CORS yang diperbaiki/diganti | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.2.3.5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | |
| | | | | | Staff Administrasi | 2 | 0 | |
| | | | | | Koordinator Pemeliharaan Stasiun CORS | 6 | 0 | |
| | | | | | Surveyor Pemeliharaan Stasiun CORS | 4 | 0 | |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | |
| | | | | | Mobil | | 2 | |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |

| | | | | | | | | | | | |
|--------|-----------|----------|-------------------------------------|-----------------------------------|---------|---------------------------------------|--|------------------------------------|--|----|--|
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| | | C.2.3.6. | Pelaporan Pemeliharaan Stasiun CORS | Laporan pemeliharaan stasiun cors | Dokumen | Personil | | Jenjang | | | |
| | | | | | | Ketua Tim Pelaksana | | 7 | | 2 | |
| | | | | | | Staff Administrasi | | 2 | | 2 | |
| | | | | | | Koordinator Pemeliharaan Stasiun CORS | | 6 | | 2 | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | |
| | | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | | 6 | |
| | | | | | | Printer | | A4, Berwarna | | 2 | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | | | | 1 | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| C.2.4. | Pelaporan | C.2.4.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | | Jenjang | | | |
| | | | | | | Ketua Tim Pelaksana | | 7 | | 5 | |
| | | | | | | Staff Administrasi | | 2 | | 5 | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | |
| | | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | | 10 | |
| | | | | | | Printer | | A4, Berwarna | | 5 | |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

| | | | |
|--------------------------------------|-----|---|---|
| b) Jumlah | | | |
| Bahan | | | |
| Kertas HVS A4 | | 2 | |
| Tinta Printer | | 1 | p |
| Penjilidan | | 3 | |
| Harddisk Eksternal | 2TB | 1 | u |
| ATK | | 1 | |
| c) Jumlah | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | |

Analisa Biaya Keluaran Kegiatan

k. Pembangunan Stasiun Pasang Surut Permanen

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembangunan Stasiun Pasang Surut Permanen:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

Tabel berikut menunjukkan besaran koefisien pada Pembangunan Stasiun Pasang Surut Permanen:

| C.3. Pembangunan Stasiun Pasang Surut Permanen | | | | | | | | | | | | | | |
|--|----------------|----------|---|--------------------------|----------|---|------------------------------------|-----------|--------|--|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | | |
| C.3.1. | Persiapan Umum | C.3.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 3 | O.H | | | | | |
| | | | | | | Staff Administrasi | 2 | 3 | O.H | | | | | |
| | | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 3 | O.H | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | | | |
| | | | | | | PC Workstation | | 3 | U.H | | | | | |
| | | | | | | Printer | A4, Berwarna | 3 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |

| | | | | | | | |
|----------|-----------------------------|------------------------------------|----------|---|------------------------------------|---|-----|
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | PC Workstation | | 0 | U.H |
| | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | GPS Handheld dan Kelengkapannya | | 0 | U.H |
| | | | | Bubbles Gauge | | 0 | U.H |
| | | | | Float Gauge | | 0 | U.H |
| | | | | Radar Gauge | | 0 | U.H |
| | | | | Data Logger | | 0 | U.H |

| | | | | | | | | |
|--|----------|--------------------------|-------------------|---------|--------------------------------------|----------------|---|-----|
| | | | | | Modem GPRS | | 0 | U.H |
| | | | | | Power Controller | | 0 | U.H |
| | | | | | Solar Cell 50 Watt | | 0 | U.H |
| | | | | | Kanal U Galvanis | | 0 | U.H |
| | | | | | Kabel Power | | 0 | U.H |
| | | | | | Aki Kering 100 Ah | | 0 | U.H |
| | | | | | Box Panel (200 x 400 x 600 mm) | | 0 | U.H |
| | | | | | Server dan Data Storage | | 0 | U.H |
| | | | | | Portable Depth Meter | | 0 | U.H |
| | | | | | Portable Digital Altimeter | | 0 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | ATK | | 1 | set |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.1.3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | Staff | 2 | 2 | O.H |

| | | | | | | | | | |
|--------|---|----------|--------------------|--|--------------------------------------|------------------------------------|----------------|---|-----|
| | | | | | Administrasi | | | | |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | Spesifikasi/Mark | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | | U.H |
| | | | | | Printer | A4, Berwarna | 2 | | U.H |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | | | | |
| | | | | | ATK | | 1 | | set |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.3.2. | Persiapan Pembangunan Stasiun Pasang Surut Permanen | C.3.2.1. | Perizinan Lapangan | Surat izin mengadakan kegiatan pembangunan stasiun pasut | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 7 | O.H |
| | | | | | | Staff Administrasi | 2 | 7 | O.H |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | Spesifikasi/Mark | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 14 | | U.H |
| | | | | | Printer | A4, Berwarna | 7 | | U.H |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | | | | |
| | | | | | ATK | | 1 | | set |

| | | | | | | | |
|----------|--|------------------------------------|----------|---|------------------------------------|---|-----|
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.2.2. | Persiapan Alat dan Personil Persiapan Pembangunan Stasiun Pasut | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 1 | O.H |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 1 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | Mobil | | 1 | U.H |
| | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |

| | | | | | | | |
|----------|------------|-------------------------|----------|---|------------------------------------|---|-----|
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.2.3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 0 | O.H |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS |
| | | | | Mobil | | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |

| | | | | | | | |
|----------|--|--------------------------|----------|---|------------------------------------|----|-----|
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.2.4. | Survei Pendahuluan Pembangunan Stasiun Pasang Surut Permanen | Dokumen deskripsi lokasi | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 5 | O.H |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 5 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 20 | U.H |
| | | | | Mobil | | 5 | U.H |
| | | | | Kamera Digital | Geotagging | 5 | U.H |
| | | | | Akomodasi | | 4 | U.H |
| | | | | GPS Handheld dan | | 5 | U.H |

| | | | | | | | | |
|----------|--------------|---------------------------|----------|---|------------------------------------|---|-----|--|
| | | | | Kelengkapannya | | | | |
| | | | | b) Jumlah | | | | |
| | | | | Bahan | | | | |
| | | | | c) Jumlah | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.3.2.5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | |
| | | | | Staff Administrasi | 2 | 0 | O.H | |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 0 | O.H | |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H | |
| | | | | a) Jumlah | | | | |
| | | | | Alat | Spesifikasi/Merk | | | |
| | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS | |
| | | | | Mobil | | 2 | U.H | |
| | | | | b) Jumlah | | | | |

| | | | | | | | |
|----------|---|---|---------|---|------------------------------------|---|-----|
| | | | | Bahan | | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.2.6. | Pelaporan Persiapan Pembangunan Stasiun Pasut | Laporan persiapan pembangunan stasiun pasut | Dokumen | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| | | | | | | | | | |
|------------|---|--------------------------------------|---|---------------------------|----------|---|------------------------------------|---|-----|
| C.3. 3. | Pembangunan Stasiun Pasang Surut Permanen | C.3.3.1. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 0 | O.H |
| | | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Mark | | |
| | | | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | Bahan | | | | | | | |
| | | c) Jumlah | | | | | | | |
| | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | C.3.3.2. | Persiapan Alat dan Personil Pembangunan | Dokumen kesiapan alat dan | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | |

| | | | | | | | | |
|-----------|--|-------------------------------|----------|--|---|------------------------------------|---|-----|
| | | Stasiun Pasang Surut Permanen | personil | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 1 | O.H |
| | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 1 | O.H |
| a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | Mobil | | 1 | U.H |
| | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | Bubbles Gauge | | 0 | U.H |
| | | | | | Float Gauge | | 0 | U.H |
| | | | | | Radar Gauge | | 0 | U.H |
| | | | | | Data Logger | | 0 | U.H |
| | | | | | Modem GPRS | | 0 | U.H |
| | | | | | Power | | 0 | U.H |

| | | | | | | | | |
|--|----------|---|------------------------------|---------|--------------------------------------|----------------|----|-----|
| | | | | | Controller | | | |
| | | | | | Solar Cell 50 Watt | | 0 | U.H |
| | | | | | Kanal U Galvanis | | 0 | U.H |
| | | | | | Kabel Power | | 0 | U.H |
| | | | | | Aki Kering 100 Ah | | 0 | U.H |
| | | | | | Box Panel (200 x 400 x 600 mm) | | 0 | U.H |
| | | | | | Server dan Data Storage | | 0 | U.H |
| | | | | | Portable Depth Meter | | 0 | U.H |
| | | | | | Portable Digital Altimeter | | 0 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | ATK | | 1 | set |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.3. | Pembangunan Rumah Stasiun Pasang Surut Permanen | Bangunan fisik stasiun pasut | Stasiun | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 28 | O.H |
| | | | | | Staff Administrasi | 2 | 28 | O.H |

| | | | | | | | |
|--|--|--|--|---|--|--------------|----------------|
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 28 | O.H |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 28 | O.H |
| | | | | Tukang Batu | - | 56 | O.H |
| | | | | Buruh Lokal | - | 56 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/M erk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 112 | U.H |
| | | | | Mobil | | 28 | U.H |
| | | | | Kamera Digital | Geotagging | 28 | U.H |
| | | | | GPS Handheld dan Kelengkapannya | | 28 | U.H |
| | | | | Basecamp | | 0 | U.H |
| | | | | Alat Pertukangan | | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | | | |
| | | | | Semen | | 6.94444 4 | sak |
| | | | | Batu Split | | 0.5 | m ³ |

| | | | | | | | | |
|--|--|--|--|---|------------|--------------|----------------|--|
| | | | | Pasir | | 0.333 | m ³ | |
| | | | | Besi Beton | 10 mm | 11.3664 | kg | |
| | | | | Besi Beton | 16 mm | 12.2188 8 | kg | |
| | | | | Air | | 173.61 | liter | |
| | | | | Thinner | | 0.61333 3 | liter | |
| | | | | Paku | | 0.5 | kg | |
| | | | | Marmmer/Mika (Papan Nama Stasiun) | | 1 | m ² | |
| | | | | Batu Bata Merah | | 1300 | buah | |
| | | | | Kawat Duri | | 5.33333 3 | kg | |
| | | | | Kawat | | 0.58963 2 | kg | |
| | | | | Keramik Putih | 30 x 30 cm | 50 | buah | |
| | | | | Pipa PVC | Ø 12" | 6 | meter | |
| | | | | Cat Putih | | 1.53333 3 | liter | |
| | | | | Cat Oren | | 1.53333 3 | liter | |
| | | | | Papan Cor | | 8 | lembar | |
| | | | | Klem Stenlis | | 1 | buah | |
| | | | | c) Jumlah | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |

| | | | | | | | | | | | | |
|--------------|----------|---|---------------------|------|---|--|---|-----|--|--|--|--|
| | C.3.3.4. | Pembangunan BM Stasiun Pasang Surut | BM Stasiun Pasut | Unit | Personil | Jenjang | | | | | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | | |
| | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 2 | O.H | | | | |
| | | | | | Tukang Batu | - | 4 | O.H | | | | |
| | | | | | Buruh Lokal | - | 4 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/M erk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8 | U.H | | | | |
| | | | | | Mobil | | 2 | U.H | | | | |
| | | | | | Kamera Digital | Geotagging | 2 | U.H | | | | |
| | | | | | Akomodasi | | 0 | U.H | | | | |
| | | | | | Kompas | | 2 | U.H | | | | |
| | | | | | Alat Pertukangan | | 0 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| Bahan | | | | | | | | | | | | |

| | | | | | | | | |
|--|----------|--|--------------------------------------|---------|--------------------------------------|----------------|--------|----------------|
| | | | | | Semen | | 1.358 | sak |
| | | | | | Batu Split | | 0.098 | m ³ |
| | | | | | Pasir | | 0.065 | m ³ |
| | | | | | Besi 6 mm | | 1.385 | kg |
| | | | | | Besi 12 mm | | 8.702 | kg |
| | | | | | Plat Kuningan | | 1.000 | buah |
| | | | | | Air | | 33.941 | liter |
| | | | | | Thinner | | 0.027 | liter |
| | | | | | Bras Tablet | | 1.000 | buah |
| | | | | | Paku | | 0.500 | kg |
| | | | | | Multiplek | | 3.000 | lembar |
| | | | | | Kawat | | 0.252 | kg |
| | | | | | Braso | | 1.000 | buah |
| | | | | | Penahan Korosi | | 1.000 | buah |
| | | | | | Cat | | 0.135 | liter |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.5. | Instalasi Alat Stasiun Pasang Surut Permanen | Dokumen instalasi alat stasiun pasut | Stasiun | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | Koordinator Pembangunan Stasiun | 6 | 5 | O.H |

| | | | | | | | |
|--|--|--|--|--|------------------------------------|----|-----|
| | | | | Pasang Surut Permanen | | | |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 5 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 20 | U.H |
| | | | | Mobil | | 5 | U.H |
| | | | | Kamera Digital | Geotagging | 5 | U.H |
| | | | | Akomodasi | | 5 | U.H |
| | | | | GPS Handheld dan Kelengkapannya | | 0 | U.H |
| | | | | Bubbles Gauge | | 0 | U.H |
| | | | | Float Gauge | | 0 | U.H |
| | | | | Radar Gauge | | 0 | U.H |
| | | | | Data Logger | | 0 | U.H |
| | | | | Modem GPRS | | 0 | U.H |
| | | | | Power Controller | | 0 | U.H |
| | | | | Solar Cell 50 Watt | | 0 | U.H |
| | | | | Kanal U Galvanis | | 0 | U.H |

| | | | | | | | | |
|--|----------|---|--|----------|---|----------------|---|-----|
| | | | | | Kabel Power | | 0 | U.H |
| | | | | | Aki Kering 100 Ah | | 0 | U.H |
| | | | | | Box Panel (200 x 400 x 600 mm) | | 0 | U.H |
| | | | | | Server dan Data Storage | | 0 | U.H |
| | | | | | Portable Depth Meter | | 0 | U.H |
| | | | | | Portable Digital Altimeter | | 0 | U.H |
| | | | | | Digital Level Instrument | | 0 | U.H |
| | | | | | Toolkit set | | 0 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.6. | Uji Coba Alat di Stasiun Pasang Surut Permanen | Dokumen uji coba alat stasiun pasut | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | Koordinator Pembangunan Stasiun | 6 | 2 | O.H |

| | | | | | | | | |
|--|--|--|--|--|--|------------------------------------|---|-----|
| | | | | | Pasang Surut Permanen | | | |
| | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 2 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8 | U.H |
| | | | | | Mobil | | 2 | U.H |
| | | | | | Kamera Digital | Geotagging | 2 | U.H |
| | | | | | Akomodasi | | 2 | U.H |
| | | | | | GPS Handheld dan Kelengkapannya | | 2 | U.H |
| | | | | | Bubbles Gauge | | 0 | U.H |
| | | | | | Float Gauge | | 0 | U.H |
| | | | | | Radar Gauge | | 0 | U.H |
| | | | | | Data Logger | | 0 | U.H |
| | | | | | Modem GPRS | | 0 | U.H |
| | | | | | Power Controller | | 0 | U.H |
| | | | | | Solar Cell 50 Watt | | 0 | U.H |
| | | | | | Kanal U Galvanis | | 0 | U.H |

| | | | | | | | | |
|--|----------|---|---|----------|---|----------------|---|-----|
| | | | | | Kabel Power | | 0 | U.H |
| | | | | | Aki Kering 100 Ah | | 0 | U.H |
| | | | | | Box Panel (200 x 400 x 600 mm) | | 0 | U.H |
| | | | | | Server dan Data Storage | | 0 | U.H |
| | | | | | Portable Depth Meter | | 0 | U.H |
| | | | | | Portable Digital Altimeter | | 0 | U.H |
| | | | | | Digital Level Instrument | | 0 | U.H |
| | | | | | Toolkit set | | 0 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.7. | Pembuatan Deskripsi dan Log Site Stasiun Pasang Surut Permanen | Dokumen log site stasiun pasut | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | Koordinator Pembangunan Stasiun | 6 | 1 | O.H |

| | | | | | | | | |
|--|----------|--------------|---------------------------|----------|---|------------------------------------|---|-----|
| | | | | | Pasang Surut Permanen | | | |
| | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 1 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | Akomodasi | | 4 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | ATK | | 1 | set |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.8. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 0 | O.H |

| | | | | | | | | |
|--|----------|-------------------------------------|-----------------------------------|---------|---|------------------------------------|---|-----|
| | | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS |
| | | | | | Mobil | | 2 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.3.3.9. | Pelaporan Pembangunan Stasiun Pasut | Laporan pembangunan stasiun pasut | Dokumen | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 2 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |

| | | | | | | | | | |
|--------|-----------|----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|-------|
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.3.4. | Pelaporan | C.3.4.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Kertas HVS A4 | | 2 | rim |
| | | | | | | Tinta Printer | | 1 | paket |
| | | | | | | Penjilidan | | 3 | set |
| | | | | | | Harddisk | | 1 | unit |

| | | | | | | | | |
|--|--|--|--|--|---|--|---|-----|
| | | | | | Eksternal | | | |
| | | | | | ATK | | 1 | set |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



Analisa Biaya Keluaran Kegiatan

1. Pemeliharaan Stasiun Pasang Surut Permanen

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemeliharaan Stasiun Pasang Surut Permanen:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio $< 0,7$ (di luar 11 kota macet di Indonesia)

Tabel berikut menunjukkan besaran koefisien pada Pemeliharaan Stasiun Pasang Surut Permanen:



| C.4. Pemeliharaan Stasiun Pasang Surut Permanen | | | | | | | | | | | | | | | | |
|---|----------------|---------|---|--------------------------|----------|--|--|-----------|--------|-----------------|---------------|-----------|------------------------------------|---|-----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | Kapasitas Kerja | Satuan | Koefisien | | | | |
| C.4.1. | Persiapan Umum | C.4.1.1 | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | 2 | O.H | 0.5 | Set File/Hari | 2 | | | | |
| | | | | | | Ketua Tim Pelaksana | | | | | | | 7 | | | |
| | | | | | | Staff Administrasi | | | | | | | 2 | | | |
| | | | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | | | | | | | 6 | | | |
| | | | | | | a) Jumlah | | | | | | | | | | |
| | | | | | | Alat | | | | | | | Spesifikasi/Merk | | | |
| | | | | | | Laptop | | | | | | | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | |
| | | | | | | PC Workstation | | | | | | | | 2 | U.H | |
| | | | | | | Printer | | | | | | | A4, Berwarna | 2 | U.H | |
| | | | | | | b) Jumlah | | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | | |
| | | | | | | ATK | | | | | | | | 1 | set | |
| | | | | | | c) Jumlah | | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--------------------------------------|-----------------------------|------------------------------------|----------|--|------------------------------------|---|-----|-----|---------------|---|--|--|--|
| | | | | (a+b+c) | | | | | | | | | |
| C.4.1.2 | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | | | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | | | | |
| | | | | a) Jumlah | | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H | | | | | | |
| | | | | PC Workstation | | 2 | U.H | | | | | | |
| | | | | Printer | A4, Berwarna | 1 | U.H | | | | | | |
| | | | | Toolkit | | 0 | U.H | | | | | | |
| | | | | b) Jumlah | | | | | | | | | |
| | | | | Bahan | | | | | | | | | |
| | | | | ATK | | 1 | set | | | | | | |
| | | | | c) Jumlah | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | |
| C.4.1.3 | Pelaporan Persiapan | Laporan persiapan | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 | | | |
| | | | | Ketua Tim | 7 | 2 | O.H | | | | | | |

| | | | | | | | | | | | | | |
|--------|--|---------|--------------------|---|----------|--------------------------------------|------------------------------------|---|-----|-----|---------------|---|--|
| | | | Umum | n | | Pelaksana | | | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.4.2. | Persiapan Pemeliharaan Stasiun Pasang Surut Permanen | C.4.2.1 | Perizinan Lapangan | Surat izin mengadakan kegiatan pengoperasian dan pemeliharaan stasiun | Set File | Personil | Jenjang | | | 0.5 | Set File/Hari | 2 | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |

| | | | | | | | | | | | |
|---------|-----------------------------|------------------------------------|----------|--|------------------------------------|---|-----|---|---------------|---|--|
| | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.4.2.2 | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H | | | | |
| | | | | PC Workstation | | 0 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | | | |
| | | | | Toolkit | | 0 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |

| | | | | | | | | | | | |
|---------|--|--|----------|--|------------------------------------|---|-----|---|---------------|---|--|
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.4.2.3 | Pembuatan Dokumen Log Sheet Monitoring | Dokumen log sheet monitoring dan maintenance | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 0 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | | | |
| | | | | PC Workstation | | 0 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |

| | | C.4.2.4 | Pelaporan Persiapan Pemeliharaan Stasiun Pasang Surut Permanen | Laporan persiapan pengoperasian dan pemeliharaan stasiun pasut | Dokumen | <table border="1"> <thead> <tr> <th>Personil</th> <th>Jenjang</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>2</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>2</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pemeliharaan Stasiun Pasang Surut Permanen</td> <td>6</td> <td>2</td> <td>O.H</td> </tr> <tr> <td colspan="4">a) Jumlah</td> </tr> <tr> <th>Alat</th> <th>Spesifikasi/Merk</th> <th></th> <th></th> </tr> <tr> <td>Laptop</td> <td>Minimal setara Core i5, Ram ≥ 4 GB</td> <td>4</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td></td> <td>2</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>A4, Berwarna</td> <td>2</td> <td>U.H</td> </tr> <tr> <td colspan="4">b) Jumlah</td> </tr> <tr> <th>Bahan</th> <th></th> <th></th> <th></th> </tr> <tr> <td>ATK</td> <td></td> <td>1</td> <td>set</td> </tr> <tr> <td colspan="4">c) Jumlah</td> </tr> <tr> <td colspan="4">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </tbody> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 2 | O.H | Staff Administrasi | 2 | 2 | O.H | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | a) Jumlah | | | | Alat | Spesifikasi/Merk | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | PC Workstation | | 2 | U.H | Printer | A4, Berwarna | 2 | U.H | b) Jumlah | | | | Bahan | | | | ATK | | 1 | set | c) Jumlah | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | 0.5 | Dokumen/Hari | 2 |
|---|--|---------|--|--|----------|--|----------|---------|--|--|------------------------|---|---|-----|--------------------|---|---|-----|---|------------------|---|-----|-----------|--|--|--|------|------------------|--|--|--------|--|---|-----|----------------|--|---|-----|---------|-----------------|---|-----|-----------|--|--|--|-------|--|--|--|-----|--|---|-----|-----------|--|--|--|--|--|--|--|-----|--------------|---|
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | Spesifikasi/Merk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | | 2 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | A4, Berwarna | 2 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | | 1 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.4.3. | Pemeliharaan Stasiun Pasang | C.4.3.1 | Persiapan Alat dan Personil Pemeliharaan | Dokumen kesiapan alat dan | Set File | <table border="1"> <thead> <tr> <th>Personil</th> <th>Jenjang</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>1</td> <td>O.H</td> </tr> </tbody> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 1 | O.H | Staff Administrasi | 2 | 1 | O.H | 1 | Set File/Hari | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----------------|---------------------------------|----------|--|--|------------------------------------|-------------------------|----------|--|--|--|-----------------|----------------|--|
| Surut Permanen | n Stasiun Pasang Surut Permanen | personil | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 1 | O.H | | | | | | |
| | | | | Surveyor Pemeliharaan Stasiun Pasang Surut Permanen | 4 | 1 | O.H | | | | | | |
| | | | | a) Jumlah | | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | | |
| | | | | Printer | A4, Berwarna | 1 | U.H | | | | | | |
| | | | | Mobil | | 1 | U.H | | | | | | |
| | | | | Kamera Digital | Geotagging | 1 | U.H | | | | | | |
| | | | | Toolkit | | 0 | U.H | | | | | | |
| | | | | b) Jumlah | | | | | | | | | |
| | | | | Bahan | | | | | | | | | |
| | | | | ATK | | 1 | set | | | | | | |
| | | | | c) Jumlah | | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | | C.4.3.2 | Mobilisasi | Berita acara mobilisasi | Set File | | | | Personil | Jenjang | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | | | |

| | | | | | | | | | | |
|---------|---|---|----------|--|------------------------------------|---|-----|-----------------|---------------|---|
| | | i | | Staff Administrasi | 2 | 0 | O.H | | | |
| | | | | Koordinator Pembangunan Stasiun Pasang Surut Permanen | 6 | 0 | O.H | | | |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS | | | |
| | | | | Mobil | | 2 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.4.3.3 | Pengecekan -Perbaikan Fisik Stasiun Pasang Surut Permanen | Fisik stasiun pasut diperbaiki dan dokumen log sheet maintena | Set File | Personil | Jenjang | | | 0.3333 33333 | Stasiun /Hari | 3 |
| | | | | Ketua Tim Pelaksana | 7 | 3 | O.H | | | |
| | | | | Staff Administrasi | 2 | 3 | O.H | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 3 | O.H | | | |

| | | | | | | | | | | | | |
|---------|---|------------------------------|----------|---|------------------------------------|----|-----|-----|---------------|---|--|--|
| | | nce fisik stasiun pasut | | Surveyor Pemeliharaan Stasiun Pasang Surut Permanen | 4 | 3 | O.H | | | | | |
| | | | | Tukang Batu | - | 3 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 12 | U.H | | | | | |
| | | | | Mobil | | 3 | U.H | | | | | |
| | | | | Kamera Digital | Geotagging | 3 | U.H | | | | | |
| | | | | Toolkit | | 0 | U.H | | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | Bahan Perbaikan Fisik Stasiun Pasut | | 0 | | | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.4.3.4 | Pengecekan -Perbaikan Alat Stasiun Pasang | Alat stasiun pasut diperbaik | Set File | Personil | Jenjang | | | 0.5 | Stasiun /Hari | 2 | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |

| | | | | | | | | | | |
|---------|--------------|---------------------------|----------|--|------------------------------------|---|-----|---|---------------|---|
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | |
| | | | | Surveyor Pemeliharaan Stasiun Pasang Surut Permanen | 4 | 2 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8 | U.H | | | |
| | | | | Mobil | | 2 | U.H | | | |
| | | | | Kamera Digital | Geotagging | 2 | U.H | | | |
| | | | | Toolkit | | 0 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | Alat Stasiun Pasut yang Diganti/Diperbaiki | | 0 | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.4.3.5 | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | |

| | | | | | | | | | | | |
|---------|--|------------------------------------|---------|--|------------------------------------|---|-----|-----|--------------|---|--|
| | | | asi | Staff Administrasi | 2 | 0 | O.H | | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 0 | O.H | | | | |
| | | | | Surveyor Stasiun Pasang Surut Permanen | 4 | 0 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | Tiket Transportasi | Minimal setara Core i5, Ram ≥ 4 GB | 5 | LS | | | | |
| | | | | Mobil | | 2 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.4.3.6 | Pelaporan Pemeliharaan Stasiun Pasang Surut Permanen | Laporan pemeliharaan stasiun pasut | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | Koordinator Pemeliharaan Stasiun Pasang Surut Permanen | 6 | 2 | O.H | | | | |

| | | | | | | | | | | | | | |
|--------|-----------|---------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|--|-----|-----|--------------|---|
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | | U.H | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | | | | | | | |
| | | | | | | ATK | | 1 | | set | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.4.4. | Pelaporan | C.4.4.1 | Kompilasi laporan | Laporan akhir | Dokumen | Personil | Jenjang | | | | 0.2 | Dokumen/Hari | 5 |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 5 | | O.H | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 5 | | U.H | | | |
| | | | | | | b) Jumlah | | | | | | | |

| Bahan | | | |
|--------------------------------------|------|---|-------|
| Kertas HVS A4 | | 2 | rim |
| Tinta Printer | | 1 | paket |
| Penjilidan | | 3 | set |
| Harddisk Eksternal | 2 TB | 1 | unit |
| ATK | | 1 | set |
| c) Jumlah | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | |

Analisa Biaya Keluaran Kegiatan
m. Pembangunan Pilar Jaring Kontrol Geodesi

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembangunan Pilar Jaring Kontrol Geodesi:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pembangunan Pilar Jaring Kontrol Geodesi:



BADAN INFORMASI
GEOSPASIAL

| C.5. Pembangunan Pilar JKG | | | | | | | | | | | | |
|----------------------------|----------------|---------|---|--------------------------|----------|--------------------------------------|------------------------------------|-----------|--------|-----------------|---------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | Kapasitas Kerja | Satuan | Koefisien |
| C.5.1. | Persiapan Umum | C.5.1.1 | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | 0.5 | Set File/Hari | 2 |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | | | Koordinator Pembangunan Pilar | 6 | 2 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| | | C.5.1.2 | Persiapan | Dokume | Set File | Personil | Jenjang | | | 1 | Set | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------------------------|-------------------|------------------------------|--|--|---------------------|---|---|---------------------|--------------------|---|-----|--------------------|----------------------------|---|-----|-----------|-----------|--|--|-----|--------------|-------------------------|--|--|--------|------------------------------------|---|-----|----------------|--|---|-----|---------|--------------|---|-----|-------|--|---|-----|----------------|------------|---|-----|-----------|--|--|--|--------------|--|--|--|-----|--|---|-----|-----------|--|--|--|--------------------------------------|--|--|--|-----------|--|
| | | Alat dan Personil | n kesiapan alat dan personil | | <table border="1"> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pengukuran JKH</td> <td>6</td> <td>1</td> <td>O.H</td> </tr> <tr> <td colspan="4">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td>Spesifikasi/Merk</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>Minimal setara Core i5, Ram ≥ 4 GB</td> <td>0</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td></td> <td>0</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>A4, Berwarna</td> <td>0</td> <td>U.H</td> </tr> <tr> <td>Mobil</td> <td></td> <td>0</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>Geotagging</td> <td>0</td> <td>U.H</td> </tr> <tr> <td colspan="4">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td></td> <td>1</td> <td>set</td> </tr> <tr> <td colspan="4">c) Jumlah</td> </tr> <tr> <td colspan="4">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Ketua Tim Pelaksana | 7 | 1 | O.H | Staff Administrasi | 2 | 1 | O.H | Koordinator Pengukuran JKH | 6 | 1 | O.H | a) Jumlah | | | | Alat | Spesifikasi/Merk | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | PC Workstation | | 0 | U.H | Printer | A4, Berwarna | 0 | U.H | Mobil | | 0 | U.H | Kamera Digital | Geotagging | 0 | U.H | b) Jumlah | | | | Bahan | | | | ATK | | 1 | set | c) Jumlah | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | File/Hari | |
| Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pengukuran JKH | 6 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | Spesifikasi/Merk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | | 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | A4, Berwarna | 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | | 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | Geotagging | 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | | 1 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.5.1.3 | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | <table border="1"> <tr> <td>Personil</td> <td>Jenjang</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>2</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>2</td> <td>O.H</td> </tr> <tr> <td colspan="4">a) Jumlah</td> </tr> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 2 | O.H | Staff Administrasi | 2 | 2 | O.H | a) Jumlah | | | | 0.5 | Dokumen/Hari | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------|---------------------------------|---------|---|------------------------------------|----------|--------------------------------------|------------------------------------|---|--|-----|---------------|---|
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | | U.H | | |
| | | | | | | Printer | A4, Berwarna | 2 | | U.H | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | | set | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.5.2. | Persiapan Pembangunan Pilar JKG | C.5.2.1 | Persiapan Alat dan Personil Persiapan Pembangunan Pilar JKG | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | | O.H | | |
| | | | | | | Staff Administrasi | 2 | 1 | | O.H | | |
| | | | | | | Koordinator Pembangunan Pilar | 6 | 1 | | O.H | | |
| | | | | | | Surveyor Pembangunan Pilar | 4 | 1 | | O.H | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, | 2 | | U.H | | |

| | | | | | | | | | | | |
|---------|--------------|---|----------|--------------------------------------|------------------------------------|-------------------------|-----|-----|---------------|---|--|
| | | | | | Ram ≥ 4 GB | | | | | | |
| | | | | PC Workstation | | 2 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 1 | U.H | | | | |
| | | | | Mobil | | 1 | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 1 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.5.2.2 | Administrasi | Surat pemberitahuan survei ke instansi-instansi terkait | Set File | Personil | | Jenjang | | 0.5 | Set File/Hari | 2 | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | | Spesifikasi/Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |

| | | | | | | | | | | |
|---------|--------------------|--------------------------|----------|--------------------------------------|-------------------------|---|-----|---------|---------------|---|
| | | | | ATK | | 1 | set | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.5.2.3 | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | |
| | | | | Koordinator Pembangunan Pilar | 6 | 0 | O.H | | | |
| | | | | Surveyor Pembangunan Pilar | 4 | 0 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | Mobil | | 2 | U.H | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.5.2.4 | Survei Pendahuluan | Deskripsi lokasi sebaran | Set File | Personil | Jenjang | | | 0.33333 | Set File/Hari | 3 |
| | | | | Ketua Tim Pelaksana | 7 | 3 | O.H | 3333 | | |

| | | | | | | | | | | | | |
|---------|--------------|---------------------------|----------|--------------------------------------|------------------------------------|----|-----|-----|--|--|--|--|
| | | titik | | Staff Administrasi | 2 | 3 | O.H | | | | | |
| | | | | Koordinator Pembangunan Pilar | 6 | 3 | O.H | | | | | |
| | | | | Surveyor Pembangunan Pilar | 4 | 3 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | | U.H | | | | |
| | | | | Mobil | | 3 | | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 3 | | U.H | | | | |
| | | | | Akomodasi | | 12 | | U.H | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | ATK | | 1 | | set | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.5.2.5 | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | | | | | | |
| | | | | Ketua Tim Pelaksana | | 7 | 0 | O.H | | | | |
| | | | | Staff Administrasi | | 2 | 0 | O.H | | | | |
| | | | | Koordinator | | 6 | 0 | O.H | | | | |

| | | | | | | | | | | | | |
|---------|---|---|---------|--------------------------------------|---------------------------------|---|-----|-----|--------------|---|--|--|
| | | | | Pembangunan Pilar | | | | | | | | |
| | | | | Surveyor Pembangunan Pilar | 4 | 0 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Mobil | | 2 | U.H | | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.5.2.6 | Pelaporan Persiapan Pembangunan Pilar JKG | Laporan persiapan pembangunan pilar JKG | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |
| | | | | Koordinator Pembangunan Pilar | 6 | 2 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 4 | U.H | | | | | |

| | | | | | | | | | | | | |
|--------|--|---------|---|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|
| | | | | | | GB | | | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.5.3. | Pembangunan Pilar Jaring Kontrol Geodesi | C.5.3.1 | Persiapan Alat dan Personil Pembangunan Pilar JKG | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | |
| | | | | | | Koordinator Pembangunan Pilar | 6 | 0.25 | O.H | | | |
| | | | | | | Surveyor Pembangunan Pilar | 4 | 1 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | U.H | | | |
| | | | | | | Printer | A4, | 1 | U.H | | | |

| | | | | | | | | |
|---------|------------|-------------------------|----------|-------------------------------|--------------------------------------|------------|-----|-----|
| | | | | | Berwarna | | | |
| | | | | | Mobil | | 1 | U.H |
| | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | Kompas | | 1 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | ATK | | 1 | set |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.5.3.2 | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | |
| | | | | Staff Administrasi | 2 | 0 | O.H | |
| | | | | Koordinator Pembangunan Pilar | 6 | 0 | O.H | |
| | | | | Surveyor Pembangunan Pilar | 4 | 0 | O.H | |
| | | | | a) Jumlah | | | | |
| | | | | Alat | Spesifikasi/Merk | | | |
| | | | | Tiket Transportasi | | 5 | LS | |
| | | | | Mobil | | 2 | U.H | |
| | | | | b) Jumlah | | | | |
| | | | | Bahan | | | | |

| | | | | | | | | | | | | |
|--|---------|-----------------------------------|--|----------|--------------------------------------|------------------------------------|-------|-----|------|-----------|---|--|
| | | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | C.5.3.3 | Persiapan Bahan Pembangunan Pilar | Dokumen kesiapan bahan pembangunan pilar | Set File | Personil | Jenjang | | | 1.00 | Unit/Hari | 1 | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 0.25 | O.H | | | | |
| | | | | | Surveyor Pembangunan Pilar | 4 | 1 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | U.H | | | | |
| | | | | | Mobil | | 1 | U.H | | | | |
| | | | | | Akomodasi | | 1.75 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | | | | | | | |
| | | | | | Semen | | 0.000 | sak | | | | |
| | | | | | Batu Split | | 0.000 | m³ | | | | |
| | | | | | Pasir | | 0.000 | m³ | | | | |
| | | | | | Besi 6 mm | | 0.000 | kg | | | | |

| | | | | | | | | | | | | | |
|--|---------|---|-----------------|------|--------------------------------------|------------------|-------|--------|--|------|-----------|---|--|
| | | | | | Besi 12 mm | | 0.000 | kg | | | | | |
| | | | | | Plat Kuningan | | 0.000 | buah | | | | | |
| | | | | | Air | | 0.000 | liter | | | | | |
| | | | | | Thinner | | 0.000 | liter | | | | | |
| | | | | | Bras Tablet | | 0.000 | buah | | | | | |
| | | | | | Paku | | 0.000 | kg | | | | | |
| | | | | | Multiplek | | 0.000 | lembar | | | | | |
| | | | | | Kawat | | 0.000 | kg | | | | | |
| | | | | | Braso | | 0.000 | buah | | | | | |
| | | | | | Penahan Korosi | | 0.000 | buah | | | | | |
| | | | | | Cat | | 0.000 | liter | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| | C.5.3.4 | Pembangunan Pilar Jaring Kontrol Geodesi (dengan cuaca baik dan orde 0) | Fisik pilar JKG | Unit | Personil | Jenjang | | | | 0.33 | Unit/Hari | 3 | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | | | |
| | | | | | Staff Administrasi | 2 | 0.75 | O.H | | | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 0.75 | O.H | | | | | |
| | | | | | Surveyor Pembangunan Pilar | 4 | 3 | O.H | | | | | |
| | | | | | Tukang Batu | - | 6 | O.H | | | | | |
| | | | | | Buruh Lokal | - | 6 | O.H | | | | | |
| | | | | | a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifika | | | | | | | |

| | | | | | | | | | |
|--|--|--|--|--|-----------|------------------|---|--------|----------------|
| | | | | | | si/Merk | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram \geq 4 GB | 5.25 | U.H |
| | | | | | | Mobil | | 3 | U.H |
| | | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | | Akomodasi | | 5.25 | U.H |
| | | | | | | Kompas | | 3 | U.H |
| | | | | | | Alat pertukangan | | 0 | U.H |
| | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | |
| | | | | | | Semen | | 1.358 | sak |
| | | | | | | Batu Split | | 0.098 | m ³ |
| | | | | | | Pasir | | 0.065 | m ³ |
| | | | | | | Besi 6 mm | | 1.385 | kg |
| | | | | | | Besi 12 mm | | 8.702 | kg |
| | | | | | | Plat Kuningan | | 1.000 | buah |
| | | | | | | Air | | 33.941 | liter |
| | | | | | | Thinner | | 0.027 | liter |
| | | | | | | Bras Tablet | | 1.000 | buah |
| | | | | | | Paku | | 0.500 | kg |
| | | | | | | Multiplek | | 3.000 | lembar |
| | | | | | | Kawat | | 0.252 | kg |
| | | | | | | Braso | | 1.000 | buah |
| | | | | | | Penahan Korosi | | 1.000 | buah |

| | | | | | | | | | | | | | |
|--|---------|--|-----------------|------|--------------------------------------|------------------------------------|-------|-------|------|-----------|---|--|--|
| | | | | | Cat | | 0.135 | liter | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| | C.5.3.4 | Pembangunan Pilar Jaring Kontrol Geodesi (dengan cuaca buruk dan orde 0) | Fisik pilar JKG | Unit | Personil | Jenjang | | | 0.23 | Unit/Hari | 4 | | |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | |
| | | | | | Staff Administrasi | 2 | 1 | O.H | | | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 1 | O.H | | | | | |
| | | | | | Surveyor Pembangunan Pilar | 4 | 4 | O.H | | | | | |
| | | | | | Tukang Batu | - | 8 | O.H | | | | | |
| | | | | | Buruh Lokal | - | 8 | O.H | | | | | |
| | | | | | a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7 | U.H | | | | | |
| | | | | | Mobil | | 4 | U.H | | | | | |
| | | | | | Kamera Digital | Geotagging | 4 | U.H | | | | | |
| | | | | | Akomodasi | | 7 | U.H | | | | | |
| | | | | | Kompas | | 4 | U.H | | | | | |
| | | | | | Alat pertukangan | | 0 | U.H | | | | | |

| | | | | | | | | | | | |
|--|---------|---|-----------------|------|--------------------------------------|----------------|--------|----------------|------|-----------|---|
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | | | | | | |
| | | | | | Semen | | 1.358 | sak | | | |
| | | | | | Batu Split | | 0.098 | m ³ | | | |
| | | | | | Pasir | | 0.065 | m ³ | | | |
| | | | | | Besi 6 mm | | 1.385 | kg | | | |
| | | | | | Besi 12 mm | | 8.702 | kg | | | |
| | | | | | Plat Kuningan | | 1.000 | buah | | | |
| | | | | | Air | | 33.941 | liter | | | |
| | | | | | Thinner | | 0.027 | liter | | | |
| | | | | | Bras Tablet | | 1.000 | buah | | | |
| | | | | | Paku | | 0.500 | kg | | | |
| | | | | | Multiplek | | 3.000 | lembar | | | |
| | | | | | Kawat | | 0.252 | kg | | | |
| | | | | | Braso | | 1.000 | buah | | | |
| | | | | | Penahan Korosi | | 1.000 | buah | | | |
| | | | | | Cat | | 0.135 | liter | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| | C.5.3.4 | Pembangunan Pilar Jaring Kontrol Geodesi (dengan cuaca baik | Fisik pilar JKG | Unit | Personil | Jenjang | | | 0.33 | Unit/Hari | 3 |
| | | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | |
| | | | | | Staff Administrasi | 2 | 0.75 | O.H | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 0.75 | O.H | | | |

| | | | | | | | | |
|--|--|--|-------------|--|----------------------------------|--|--------|----------------|
| | | | dan orde 1) | | Surveyor Pembangunan Pilar | 4 | 3 | O.H |
| | | | | | Tukang Batu | - | 6 | O.H |
| | | | | | Buruh Lokal | - | 6 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.25 | U.H |
| | | | | | Mobil | | 3 | U.H |
| | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | Akomodasi | | 5.25 | U.H |
| | | | | | Kompas | | 3 | U.H |
| | | | | | Alat pertukangan | | 0 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | | | |
| | | | | | Semen | | 1.267 | sak |
| | | | | | Batu Split | | 0.091 | m ³ |
| | | | | | Pasir | | 0.061 | m ³ |
| | | | | | Besi 6 mm | | 1.385 | kg |
| | | | | | Besi 12 mm | | 7.459 | kg |
| | | | | | Plat Kuningan | | 1.000 | buah |
| | | | | | Air | | 31.684 | liter |
| | | | | | Thinner | | 0.020 | liter |
| | | | | | Bras Tablet | | 1.000 | buah |

| | | | | | | | | | | | | |
|--|---------|--|-----------------|------|--------------------------------------|------------------------------------|-------|--------|------|-----------|---|--|
| | | | | | Paku | | 0.500 | kg | | | | |
| | | | | | Multiplek | | 2.000 | lembar | | | | |
| | | | | | Kawat | | 0.221 | kg | | | | |
| | | | | | Braso | | 1.000 | buah | | | | |
| | | | | | Penahan Korosi | | 1.000 | buah | | | | |
| | | | | | Cat | | 0.102 | liter | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | C.5.3.4 | Pembangunan Pilar Jaring Kontrol Geodesi (dengan cuaca buruk dan orde 1) | Fisik pilar JKG | Unit | Personil | Jenjang | | | 0.23 | Unit/Hari | 4 | |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 1 | O.H | | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 1 | O.H | | | | |
| | | | | | Surveyor Pembangunan Pilar | 4 | 4 | O.H | | | | |
| | | | | | Tukang Batu | - | 8 | O.H | | | | |
| | | | | | Buruh Lokal | - | 8 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7 | U.H | | | | |

| | | | | | | | | | | | | | |
|--|---------|-----------|---------|----------|--------------------------------------|----------------|--------|----------------|--|------|-----|---|--|
| | | | | | Mobil | | 4 | U.H | | | | | |
| | | | | | Kamera Digital | Geotagging | 4 | U.H | | | | | |
| | | | | | Akomodasi | | 7 | U.H | | | | | |
| | | | | | Kompas | | 4 | U.H | | | | | |
| | | | | | Alat pertukangan | | 0 | U.H | | | | | |
| | | | | | b) Jumlah | | | | | | | | |
| | | | | | Bahan | | | | | | | | |
| | | | | | Semen | | 1.267 | sak | | | | | |
| | | | | | Batu Split | | 0.091 | m ³ | | | | | |
| | | | | | Pasir | | 0.061 | m ³ | | | | | |
| | | | | | Besi 6 mm | | 1.385 | kg | | | | | |
| | | | | | Besi 12 mm | | 7.459 | kg | | | | | |
| | | | | | Plat Kuningan | | 1.000 | buah | | | | | |
| | | | | | Air | | 31.684 | liter | | | | | |
| | | | | | Thinner | | 0.020 | liter | | | | | |
| | | | | | Bras Tablet | | 1.000 | buah | | | | | |
| | | | | | Paku | | 0.500 | kg | | | | | |
| | | | | | Multiplek | | 2.000 | lembar | | | | | |
| | | | | | Kawat | | 0.221 | kg | | | | | |
| | | | | | Braso | | 1.000 | buah | | | | | |
| | | | | | Penahan Korosi | | 1.000 | buah | | | | | |
| | | | | | Cat | | 0.102 | liter | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| | C.5.3.5 | Pembuatan | Deskrip | Set File | Personil | Jenjang | | | | 1.00 | Set | 1 | |

| | | | | | | | | | | | | | | | | |
|--|--|--|-----------------|--------------------------------------|----------|--------------------------------------|------------------------------------|---------------------------|----------|-----------|---------------------|----------------|---|-----|--|--|
| | | | Deskripsi Pilar | si dan dokumentasi pembangunan pilar | Set File | Ketua Tim Pelaksana | 7 | 0.25 | O.H | File/Hari | | | | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | | | | |
| | | | | | | Koordinator Pembangunan Pilar | 6 | 0.25 | O.H | | | | | | | |
| | | | | | | Surveyor Pembangunan Pilar | 4 | 2 | O.H | | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H | | | | | | | |
| | | | | | | Akomodasi | | 2.75 | U.H | | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | | | | | C.5.3.6 | Demobilisasi | Berita acara demobilisasi | Set File | | Personil | Jenjang | | | | |
| | | | | | | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | | | | | | | |
| | | | | Koordinator Pembangunan Pilar | 6 | 0 | O.H | | | | | | | | | |

| | | | | | | | | | | | |
|---------|---|---|---------|--|--|--|---|-----|-----|------------------|---|
| | | | | | Surveyor Pembangunan Pilar | 4 | 0 | O.H | | | |
| | | | | | a) Jumlah | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | | Tiket Transportasi | | 5 | LS | | | |
| | | | | | Mobil | | 2 | U.H | | | |
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | | | | | | |
| | | | | | - | | | | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| | | | | | Personil | Jenjang | | | | | |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | | Koordinator Pembangunan Pilar | 6 | 2 | O.H | | | |
| | | | | | a) Jumlah | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | |
| C.5.3.7 | Pelaporan Pembangun an Pilar JKG | Laporan pembangun an pilar JKG | Dokumen | | | | | | 0.5 | Dokumen/ Hari | 2 |

| | | | | | | | | | | | | |
|--------|-----------|---------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|-------|-----|---------------|---|
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.5.4. | Pelaporan | C.5.4.1 | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | | 0.2 | Set File/Hari | 5 |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 5 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 5 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | Kertas HVS A4 | | 2 | rim | | | |
| | | | | | | Tinta Printer | | 1 | paket | | | |
| | | | | | | Penjilidan | | 3 | set | | | |
| | | | | | | Harddisk Eksternal | | 1 | unit | | | |
| | | | | | | ATK | | 1 | set | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



Analisa Biaya Keluaran Kegiatan
n. Pemutakhiran Pilar Jaring Kontrol Geodesi

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemutakhiran Pilar Jaring Kontrol Geodesi:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pemutakhiran Pilar Jaring Kontrol Geodesi:



BADAN INFORMASI
GEOSPASIAL

| C.6. Pematakhiran Pilar JKG | | | | | | | | | | | | | | |
|-----------------------------|----------------|----------|---|--------------------------|----------|--------------------------------------|------------------------------------|-------------------------|--------|-----------------|---------------|-----------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | Kapasitas Kerja | Satuan | Koefisien | | |
| C.6.1. | Persiapan Umum | C.6.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | 0.5 | Set File/Hari | 2 | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |
| | | | | | | Koordinator Pematakhiran Pilar | 6 | 2 | O.H | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------------------------------------|--------------|-----------------------------|------------------------------------|----------|----------------------------|--|------------------------------------|---|-----|---------------|---|-----|-----|--|--|
| | C.6.1. 2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | | | | 1 | Set File/Hari | 1 | | | | |
| | | | | | Ketua Tim Pelaksana | | 7 | 1 | | | | O.H | | | |
| | | | | | Staff Administrasi | | 2 | 1 | | | | O.H | | | |
| | | | | | Koordinator Pengukuran JKH | | 6 | 1 | | | | O.H | | | |
| | | | | | a) Jumlah | | | | | | | | | | |
| | | | | | Alat | | Spesifikasi/Merk | | | | | | | | |
| | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | | | | | 0 | U.H | | |
| | | | | | PC Workstation | | | | | | | 0 | U.H | | |
| | | | | | Printer | | A4, Berwarna | | | | | 0 | U.H | | |
| | | | | | Mobil | | | | | | | 0 | U.H | | |
| | | | | | Kamera Digital | | Geotagging | | | | | 0 | U.H | | |
| | | | | | b) Jumlah | | | | | | | | | | |
| | | | | | Bahan | | | | | | | | | | |
| | | | | | ATK | | | | | | | 1 | set | | |
| | | | | | c) Jumlah | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | |
| | C.6.1. 3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | | | | 0.5 | Dokumen/Hari | 2 | | | | |
| | | | | | Ketua Tim Pelaksana | | 7 | 2 | | | | O.H | | | |
| | | | | | Staff Administrasi | | 2 | 2 | | | | O.H | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------------------------|----------|--|------------------------------------|---|---|-----------------|----------------|--|-------------|-------------------------|---|---|--------|------------------------------------|---|-----|---------|--------------------------------|---|-----|-----------|-----------------------------|---|---|--------------|-----------|--|--|-----|-------------|-------------------------|-----|-----------|--------|----------------|---|--------------------------------------|---|---------------|---|--|--|
| | | | | | <table border="1"> <tr> <td colspan="4">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td>Spesifikasi/Merk</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>Minimal setara Core i5, Ram ≥ 4 GB</td> <td>4</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>A4, Berwarna</td> <td>2</td> <td>U.H</td> </tr> <tr> <td colspan="4">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td></td> <td>1</td> <td>set</td> </tr> <tr> <td colspan="4">c) Jumlah</td> </tr> <tr> <td colspan="4">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | a) Jumlah | | | | Alat | Spesifikasi/Merk | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | Printer | A4, Berwarna | 2 | U.H | b) Jumlah | | | | Bahan | | | | ATK | | 1 | set | c) Jumlah | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | Spesifikasi/Merk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | A4, Berwarna | 2 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | | 1 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.6.2. | Persiapan Pemutakhiran Pilar JKG | C.6.2.1. | Persiapan Alat dan Personil Persiapan Pemutakhiran Pilar JKG | Dokumen kesiapan alat dan personil | Set File | <table border="1"> <tr> <td>Personil</td> <td>Jenjang</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pemutakhiran Pilar</td> <td>6</td> <td>1</td> <td>O.H</td> </tr> <tr> <td>Surveyor Pemutakhiran Pilar</td> <td>4</td> <td>1</td> <td>O.H</td> </tr> <tr> <td colspan="4">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td>Spesifikasi/Merk</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>Minimal setara</td> <td>2</td> <td>U.H</td> </tr> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 1 | O.H | Staff Administrasi | 2 | 1 | O.H | Koordinator Pemutakhiran Pilar | 6 | 1 | O.H | Surveyor Pemutakhiran Pilar | 4 | 1 | O.H | a) Jumlah | | | | Alat | Spesifikasi/Merk | | | Laptop | Minimal setara | 2 | U.H | 1 | Set File/Hari | 1 | | |
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pemutakhiran Pilar | 6 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Pemutakhiran Pilar | 4 | 1 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | Spesifikasi/Merk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | Minimal setara | 2 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|----------|--------------|---|----------|--------------------------------------|------------------------------------|-------------------------|--|-----|--|-----|---------------|---|
| | | | | | Core i5, Ram ≥ 4 GB | | | | | | | |
| | | | | PC Workstation | | 2 | | U.H | | | | |
| | | | | Printer | A4, Berwarna | 1 | | U.H | | | | |
| | | | | Mobil | | 1 | | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 1 | | U.H | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | ATK | | 1 | | set | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.6.2.2. | Administrasi | Surat pemberitahuan survei ke instansi-instansi terkait | Set File | Personil | | Jenjang | | | | 0.5 | Set File/Hari | 2 |
| | | | | Ketua Tim Pelaksana | 7 | 2 | | O.H | | | | |
| | | | | Staff Administrasi | 2 | 2 | | O.H | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | | Spesifikasi/Merk | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | | U.H | | | | |
| | | | | Printer | A4, Berwarna | 2 | | U.H | | | | |
| | | | | b) Jumlah | | | | | | | | |

| | | | | | | | | | | | | |
|----------|--------------|---------------------------|----------|--------------------------------------|------------------------------------|----|---|-----|--|--|--|--|
| | an | sebaran titik | | Pelaksana | | | | | | | | |
| | | | | Staff Administrasi | 2 | 3 | | O.H | | | | |
| | | | | Koordinator Pemutakhiran Pilar | 6 | 3 | | O.H | | | | |
| | | | | Surveyor Pemutakhiran Pilar | 4 | 3 | | O.H | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | | U.H | | | | |
| | | | | Mobil | | 3 | | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 3 | | U.H | | | | |
| | | | | Akomodasi | | 12 | | U.H | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | ATK | | 1 | | set | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.6.2.5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | | | | | | |
| | | | | Ketua Tim Pelaksana | | 7 | 0 | O.H | | | | |
| | | | | Staff Administrasi | | 2 | 0 | O.H | | | | |

| | | | | | | | | | | | | |
|----------|--|--|---------|--------------------------------------|-------------------------|---|-----|-----|--------------|---|--|--|
| | | | | Koordinator Pemutakhiran Pilar | 6 | 0 | O.H | | | | | |
| | | | | Surveyor Pemutakhiran Pilar | 4 | 0 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Mobil | | 2 | U.H | | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.6.2.6. | Pelaporan Persiapan Pemutakhiran Pilar JKG | Laporan persiapan Pemutakhiran pilar JKG | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |
| | | | | Koordinator Pemutakhiran Pilar | 6 | 2 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, | 4 | U.H | | | | | |

| | | | | | | | | | | | | |
|--------|---|----------|--|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|
| | | | | | | Ram ≥ 4 GB | | | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.6.3. | Pemutakhiran Pilar Jaring Kontrol Geodesi | C.6.3.1. | Persiapan Alat dan Personil Pemutakhiran Pilar JKG | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | |
| | | | | | | Koordinator Pemutakhiran Pilar | 6 | 0.25 | O.H | | | |
| | | | | | | Surveyor Pemutakhiran Pilar | 4 | 1 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | U.H | | | |
| | | | | | | Printer | A4, | 1 | U.H | | | |

| | | | | | | | | | |
|----------|------------|-------------------------|----------|--------------------------------|--------------------------------------|------------|-----|-----|--|
| | | | | | Berwarna | | | | |
| | | | | | Mobil | | 1 | U.H | |
| | | | | | Kamera Digital | Geotagging | 1 | U.H | |
| | | | | | Kompas | | 1 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | | | | |
| | | | | | ATK | | 1 | set | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.6.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | |
| | | | | Koordinator Pemutakhiran Pilar | 6 | 0 | O.H | | |
| | | | | Surveyor Pemutakhiran Pilar | 4 | 0 | O.H | | |
| | | | | a) Jumlah | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | |
| | | | | Mobil | | 2 | U.H | | |
| | | | | b) Jumlah | | | | | |
| | | | | Bahan | | | | | |

| | | | | | | | | | | | | |
|----------|------------------------------------|---|----------|--|--------------------------------------|------------------------------------|-------|----------------|------|-----------|---|--|
| | | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | | | | | | | | | | | |
| C.6.3.3. | Persiapan Bahan Pemutakhiran Pilar | Dokumen kesiapan bahan Pemutakhiran pilar | Set File | | Personil | Jenjang | | | 1.00 | Unit/Hari | 1 | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | |
| | | | | | Koordinator Pemutakhiran Pilar | 6 | 0.25 | O.H | | | | |
| | | | | | Surveyor Pemutakhiran Pilar | 4 | 1 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | U.H | | | | |
| | | | | | Mobil | | 1 | U.H | | | | |
| | | | | | Akomodasi | | 1.75 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | | | | | | | |
| | | | | | Semen | | 0.000 | sak | | | | |
| | | | | | Batu Split | | 0.000 | m ³ | | | | |
| | | | | | Pasir | | 0.000 | m ³ | | | | |
| | | | | | Besi 6 mm | | 0.000 | kg | | | | |

| | | | | | | | | | | | | | |
|----------|--|-----------------|------|--|--------------------------------------|------------------|-------|--------|--|------|-----------|---|--|
| | | | | | Besi 12 mm | | 0.000 | kg | | | | | |
| | | | | | Plat Kuningan | | 0.000 | buah | | | | | |
| | | | | | Air | | 0.000 | liter | | | | | |
| | | | | | Thinner | | 0.000 | liter | | | | | |
| | | | | | Bras Tablet | | 0.000 | buah | | | | | |
| | | | | | Paku | | 0.000 | kg | | | | | |
| | | | | | Multiplek | | 0.000 | lembar | | | | | |
| | | | | | Kawat | | 0.000 | kg | | | | | |
| | | | | | Braso | | 0.000 | buah | | | | | |
| | | | | | Penahan Korosi | | 0.000 | buah | | | | | |
| | | | | | Cat | | 0.000 | liter | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.6.3.4. | Pemutakhiran Pilar Jaring Kontrol Geodesi (dengan cuaca baik dan orde 0) | Fisik pilar JKG | Unit | | Personil | Jenjang | | | | 0.33 | Unit/Hari | 3 | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | | | |
| | | | | | Staff Administrasi | 2 | 0.75 | O.H | | | | | |
| | | | | | Koordinator Pemutakhiran Pilar | 6 | 0.75 | O.H | | | | | |
| | | | | | Surveyor Pemutakhiran Pilar | 4 | 3 | O.H | | | | | |
| | | | | | Tukang Batu | - | 6 | O.H | | | | | |
| | | | | | Buruh Lokal | - | 6 | O.H | | | | | |
| | | | | | a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifika | | | | | | | |

| | | | | | | | | | |
|--|--|--|--|--|--|------------------|------------------------------------|--------|----------------|
| | | | | | | si/Merk | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.25 | U.H |
| | | | | | | Mobil | | 3 | U.H |
| | | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | | Akomodasi | | 5.25 | U.H |
| | | | | | | Kompas | | 3 | U.H |
| | | | | | | Alat pertukangan | | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Semen | | 1.358 | sak |
| | | | | | | Batu Split | | 0.098 | m ³ |
| | | | | | | Pasir | | 0.065 | m ³ |
| | | | | | | Besi 6 mm | | 1.385 | kg |
| | | | | | | Besi 12 mm | | 8.702 | kg |
| | | | | | | Plat Kuningan | | 1.000 | buah |
| | | | | | | Air | | 33.941 | liter |
| | | | | | | Thinner | | 0.027 | liter |
| | | | | | | Bras Tablet | | 1.000 | buah |
| | | | | | | Paku | | 0.500 | kg |
| | | | | | | Multiplek | | 3.000 | lembar |
| | | | | | | Kawat | | 0.252 | kg |
| | | | | | | Braso | | 1.000 | buah |
| | | | | | | Penahan Korosi | | 1.000 | buah |

| | | | | | | | | | | | | | |
|----------|---|-----------------|--|------|--------------------------------------|------------------------------------|-------|-------|--|------|-----------|---|--|
| | | | | | Cat | | 0.135 | liter | | | | | |
| | | | | | c) Jumlah | | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | Unit | Personil | Jenjang | | | | 0.23 | Unit/Hari | 4 | |
| C.6.3.4. | Pemutakhiran Pilar Jaring Kontrol Geodesi (dengan cuaca buruk dan orde 0) | Fisik pilar JKG | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | |
| | | | | | Staff Administrasi | 2 | 1 | O.H | | | | | |
| | | | | | Koordinator Pemutakhiran Pilar | 6 | 1 | O.H | | | | | |
| | | | | | Surveyor Pemutakhiran Pilar | 4 | 4 | O.H | | | | | |
| | | | | | Tukang Batu | - | 8 | O.H | | | | | |
| | | | | | Buruh Lokal | - | 8 | O.H | | | | | |
| | | | | | a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7 | U.H | | | | | |
| | | | | | Mobil | | 4 | U.H | | | | | |
| | | | | | Kamera Digital | Geotagging | 4 | U.H | | | | | |
| | | | | | Akomodasi | | 7 | U.H | | | | | |
| | | | | | Kompas | | 4 | U.H | | | | | |
| | | | | | Alat pertukangan | | 0 | U.H | | | | | |

| | | | | | | | | | | |
|----------|--|-----------------|------|--------------------------------------|----------------|--------|----------------|------|-----------|---|
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | Semen | | 1.358 | sak | | | |
| | | | | Batu Split | | 0.098 | m ³ | | | |
| | | | | Pasir | | 0.065 | m ³ | | | |
| | | | | Besi 6 mm | | 1.385 | kg | | | |
| | | | | Besi 12 mm | | 8.702 | kg | | | |
| | | | | Plat Kuningan | | 1.000 | buah | | | |
| | | | | Air | | 33.941 | liter | | | |
| | | | | Thinner | | 0.027 | liter | | | |
| | | | | Bras Tablet | | 1.000 | buah | | | |
| | | | | Paku | | 0.500 | kg | | | |
| | | | | Multiplek | | 3.000 | lembar | | | |
| | | | | Kawat | | 0.252 | kg | | | |
| | | | | Braso | | 1.000 | buah | | | |
| | | | | Penahan Korosi | | 1.000 | buah | | | |
| | | | | Cat | | 0.135 | liter | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.6.3.4. | Pemutakhiran Pilar Jaring Kontrol Geodesi (dengan cuaca baik | Fisik pilar JKG | Unit | Personil | Jenjang | | | 0.33 | Unit/Hari | 3 |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | |
| | | | | Koordinator Pemutakhiran Pilar | 6 | 0.75 | O.H | | | |

| | | | | | | | | | |
|--|--|--|-------------|--|--|-----------------------------------|--|--------|----------------|
| | | | dan orde 1) | | | Surveyor Pemutakhiran Pilar | 4 | 3 | O.H |
| | | | | | | Tukang Batu | - | 6 | O.H |
| | | | | | | Buruh Lokal | - | 6 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.25 | U.H |
| | | | | | | Mobil | | 3 | U.H |
| | | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | | Akomodasi | | 5.25 | U.H |
| | | | | | | Kompas | | 3 | U.H |
| | | | | | | Alat pertukangan | | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Semen | | 1.267 | sak |
| | | | | | | Batu Split | | 0.091 | m ³ |
| | | | | | | Pasir | | 0.061 | m ³ |
| | | | | | | Besi 6 mm | | 1.385 | kg |
| | | | | | | Besi 12 mm | | 7.459 | kg |
| | | | | | | Plat Kuningan | | 1.000 | buah |
| | | | | | | Air | | 31.684 | liter |
| | | | | | | Thinner | | 0.020 | liter |
| | | | | | | Bras Tablet | | 1.000 | buah |

| | | | | | | | | | | | | |
|--|----------|---|-----------------|------|--------------------------------------|------------------------------------|-------|--------|--|------|-----------|---|
| | | | | | Paku | | 0.500 | kg | | | | |
| | | | | | Multiplek | | 2.000 | lembar | | | | |
| | | | | | Kawat | | 0.221 | kg | | | | |
| | | | | | Braso | | 1.000 | buah | | | | |
| | | | | | Penahan Korosi | | 1.000 | buah | | | | |
| | | | | | Cat | | 0.102 | liter | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | C.6.3.4. | Pemutakhiran Pilar Jaring Kontrol Geodesi (dengan cuaca buruk dan orde 1) | Fisik pilar JKG | Unit | Personil | Jenjang | | | | 0.23 | Unit/Hari | 4 |
| | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 1 | O.H | | | | |
| | | | | | Koordinator Pemutakhiran Pilar | 6 | 1 | O.H | | | | |
| | | | | | Surveyor Pemutakhiran Pilar | 4 | 4 | O.H | | | | |
| | | | | | Tukang Batu | - | 8 | O.H | | | | |
| | | | | | Buruh Lokal | - | 8 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7 | U.H | | | | |

| | | | | | | | | | | | | |
|--------|-----------|---------|----------|--------------------------------------|----------------|--------|----------------|------|-----|---|--|--|
| | | | | Mobil | | 4 | U.H | | | | | |
| | | | | Kamera Digital | Geotagging | 4 | U.H | | | | | |
| | | | | Akomodasi | | 7 | U.H | | | | | |
| | | | | Kompas | | 4 | U.H | | | | | |
| | | | | Alat pertukangan | | 0 | U.H | | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | | | | | | | | |
| | | | | Semen | | 1.267 | sak | | | | | |
| | | | | Batu Split | | 0.091 | m ³ | | | | | |
| | | | | Pasir | | 0.061 | m ³ | | | | | |
| | | | | Besi 6 mm | | 1.385 | kg | | | | | |
| | | | | Besi 12 mm | | 7.459 | kg | | | | | |
| | | | | Plat Kuningan | | 1.000 | buah | | | | | |
| | | | | Air | | 31.684 | liter | | | | | |
| | | | | Thinner | | 0.020 | liter | | | | | |
| | | | | Bras Tablet | | 1.000 | buah | | | | | |
| | | | | Paku | | 0.500 | kg | | | | | |
| | | | | Multiplek | | 2.000 | lembar | | | | | |
| | | | | Kawat | | 0.221 | kg | | | | | |
| | | | | Braso | | 1.000 | buah | | | | | |
| | | | | Penahan Korosi | | 1.000 | buah | | | | | |
| | | | | Cat | | 0.102 | liter | | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.6.3. | Pembuatan | Deskrip | Set File | Personil | Jenjang | | | 1.00 | Set | 1 | | |

| | | | | | | | | | | | | | | | |
|--|--|----|-----------------|---------------------------------------|---|--------------------------------------|------------------------------------|---------------------------|----------|-----------|---------------------|----------------|---|-----|--|
| | | 5. | Deskripsi Pilar | si dan dokumentasi Pemutakhiran pilar | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | File/Hari | | | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | | | |
| | | | | | | Koordinator Pemutakhiran Pilar | 6 | 0.25 | O.H | | | | | | |
| | | | | | | Surveyor Pemutakhiran Pilar | 4 | 2 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H | | | | | | |
| | | | | | | Akomodasi | | 2.75 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | | | | C.6.3.6. | Demobilisasi | Berita acara demobilisasi | Set File | | Personil | Jenjang | | | |
| | | | | | | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | | | | | | |
| | | | | Koordinator Pemutakhiran Pilar | 6 | 0 | O.H | | | | | | | | |

| | | | | | | | | | | | |
|--------------|---|---|---------|--|--|--|---|-----|-----|--------------|---|
| | | | | | Surveyor Pemutakhiran Pilar | 4 | 0 | O.H | | | |
| | | | | | a) Jumlah | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | Tiket Transportasi | | 5 | LS | | | |
| | | | | | Mobil | | 2 | U.H | | | |
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | | | | | | |
| | | | | | - | | | | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.6.3. 7. | Pelaporan Pemutakhiran Pilar JKG | Laporan Pemutakhiran pilar JKG | Dokumen | | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | | Koordinator Pemutakhiran Pilar | 6 | 2 | O.H | | | |
| | | | | | a) Jumlah | | | | | | |
| | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | |

| | | | | | | | | | | | | |
|--------|-----------|----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|-------|-----|---------------|---|
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.6.4. | Pelaporan | C.6.4.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | | 0.2 | Set File/Hari | 5 |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 5 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 5 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | Kertas HVS A4 | | 2 | rim | | | |
| | | | | | | Tinta Printer | | 1 | paket | | | |
| | | | | | | Penjilidan | | 3 | set | | | |
| | | | | | | Harddisk Eksternal | | 1 | unit | | | |
| | | | | | | ATK | | 1 | set | | | |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |





Analisa Biaya Keluaran Kegiatan
o. Pembangunan Jaringan Kontrol Horizontal

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembangunan Jaring Kontrol Horizontal:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pembangunan Jaring Kontrol Horizontal:

| C.7. Pembangunan Jaring Kontrol Horizontal | | | | | | | | | | | | | | |
|--|----------------|----------|---|--------------------------|----------|-----------------------------|------------------------------------|-----------|--------|-----------------|---------------|-----------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | Kapasitas Kerja | Satuan | Koefisien | | |
| C.7.1. | Persiapan Umum | C.7.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | 0.5 | Set File/Hari | 2 | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |
| | | | | | | Koordinator Pembangunan JKH | 6 | 2 | O.H | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |

| | | | | | | | | | | | | | |
|---------------------------------|-----------------------------|------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|---|---------------|---|--|--|--|
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| C.7.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | | | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 1 | O.H | | | | | | |
| | | | | a) Jumlah | | | | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | | | | | |
| | | | | PC Workstation | | 0 | U.H | | | | | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | | | | | |
| | | | | Mobil | | 0 | U.H | | | | | | |
| Kamera Digital | Geotagging | 0 | U.H | | | | | | | | | | |
| GPS Handheld dan kelengkapannya | | 0 | U.H | | | | | | | | | | |

| | | | | | | | | | | | |
|----------|--------------------------|-------------------|---------|--------------------------------------|---|---|-----|-----|--------------|---|--|
| | | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 0 | U.H | | | | |
| | | | | Meteorologi Sensor | TANDD seri TR73U (temperature humidity barometric pressure data logger) | 0 | U.H | | | | |
| | | | | Kompas | | 0 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.7.1.3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | | |

| | | | | | | | | | | | |
|--------|---|----------|--------------------|---|--------------------------------------|------------------------------------|----------------|-----|-----|---------------|---|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | |
| | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | ATK | | 1 | set | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.2. | Persiapan Pembangunan Jaringan Kontrol Horizontal | C.7.2.1. | Perizinan Lapangan | Surat izin mengadakan survei ke instansi-instansi terkait | Set File | Personil | Jenjang | | 0.5 | Set File/Hari | 2 |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | |
| | | | | | a) Jumlah | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | |
| | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | Spesifikasi | | | | | |

| | | | | | | | | | | | |
|----------|---|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|--|
| | | | | Bahan | | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.7.2.2. | Persiapan Alat dan Personil Persiapan Pembangunan Jaringan Kontrol Horizontal | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | |
| | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 0.25 | O.H | | | | |
| | | | | Surveyor Pembangunan | 4 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 1 | U.H | | | | |
| | | | | Mobil | | 1 | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 1 | U.H | | | | |

| | | | | | | | |
|--------------|------------|-------------------------------|-------------|---|------------------------------|---|-----|
| | | | | GPS Handheld dan kelengkap nya | | 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.7.2. 3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | Koordinator Pembanguna n JKH | 6 | 0 | O.H |
| | | | | Surveyor Pembanguna n | 4 | 0 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Tiket Transportasi | | 5 | LS |
| | | | | Mobil | | 2 | U.H |

| | | | | | | | | | | |
|----------|--|---------------------------------|----------|--------------------------------------|------------------------------------|------|-----|----------|-------------|---|
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.2.4. | Survei Pendahuluan Jaringan Kontrol Horizontal | Dokumen deskripsi sebaran titik | Set File | Personil | Jenjang | | | 0.333333 | Lokasi/Hari | 3 |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 0.75 | O.H | | | |
| | | | | Surveyor Pembangunan | 4 | 6 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8.25 | U.H | | | |
| | | | | Mobil | | 3 | U.H | | | |
| | | | | Kamera Digital | Geotagging | 3 | U.H | | | |

| | | | | | | | |
|--------------|------------------|-------------------------------------|-------------|---|------------------------------|---|-----|
| | | | | GPS Handheld dan kelengkap nya | | 3 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.7.2. 5. | Demobilisas i | Berita acara demobilis asi | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | Koordinator Pembanguna n JKH | 6 | 0 | O.H |
| | | | | Surveyor Pembanguna n | 4 | 0 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Tiket Transportasi | | 5 | LS |
| | | | | Mobil | | 2 | U.H |

| | | | | | | | | | | |
|----------|---|-----------------------------------|---------|--------------------------------------|------------------------------------|---|-----|-----|--------------|---|
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.2.6. | Pelaporan Persiapan Pembangunan Jaringan Kontrol Horizontal | Laporan persiapan pembangunan JKH | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 2 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | |
| | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | ATK | | 1 | set | | | |

| | | | | | | | | | | | | |
|--------|---|----------|---|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.3. | Pembangunan Jaringan Kontrol Horizontal | C.7.3.1. | Persiapan Alat dan Personil Pembangunan Jaringan Kontrol Horizontal | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | |
| | | | | | | Koordinator Pembangunan JKH | 6 | 0.25 | O.H | | | |
| | | | | | | Surveyor Pembangunan | 4 | 2 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 1 | U.H | | | |
| | | | | | | Mobil | | 1 | U.H | | | |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H | | | |
| | | | | | | GPS Handheld dan | | 1 | U.H | | | |

| | | | | | | | | | |
|----------|------------|-------------------------|----------|--|--------------------------------------|---|---|--|-----|
| | | | | | kelengkapannya | | | | |
| | | | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 1 | | U.H |
| | | | | | Meteorologi Sensor | TANDD seri TR73U (temperature humidity barometric pressure data logger) | 1 | | U.H |
| | | | | | Kompas | | 1 | | U.H |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | ATK | | 1 | | set |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.7.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | | Personil | Jenjang | | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | | O.H |
| | | | | | Staff Administrasi | 2 | 0 | | O.H |

| | | | | | | | | | | | | |
|--------------|---|--|-------|---|------------------------------|------|-----|--|--------------|----------------|---|--|
| | | | | Koordinator Pembanguna n JKH | 6 | 0 | O.H | | | | | |
| | | | | Surveyor Pembanguna n | 4 | 0 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | | | |
| | | | | Mobil | | 2 | U.H | | | | | |
| | | | | b) Jumlah | | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | | |
| | | | | c) Jumlah | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | |
| C.7.3. 3. | Pengamatan GPS (dengan sumber listrik tidak ada sumber listrik) | RAW+RI NEX data Pembang unan GPS | Titik | Personil | Jenjang | | | | 0.3333 33 | Titik/Ha ri | 3 | |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | | | |
| | | | | Koordinator Pembanguna n JKH | 6 | 0.75 | O.H | | | | | |

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|-----------|--|--|--|--|--|---|------|-----|
| | | | | | Surveyor Pembangun an | 4 | 6 | O.H |
| a) Jumlah | | | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8.25 | U.H |
| | | | | | Mobil | | 3 | U.H |
| | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | Akomodasi | | 1.5 | U.H |
| | | | | | GPS Handheld dan kelengkap nya | | 3 | U.H |
| | | | | | GPS Geodetik dan kelengkap nya | Dual frekuensi Merk: Leica, Trimble, Topcon | 3 | U.H |

| | | | | | | | | | | | |
|----------|---|---------------------------------|-------|--------------------------------------|---|------|-------|----------|------------|---|--|
| | | | | Meteorologi Sensor | TANDD seri TR73U (temperature humidity barometric pressure data logger) | 3 | U.H | | | | |
| | | | | Kompas | | 3 | U.H | | | | |
| | | | | Perlengkapan Flying Camp | | 3 | set | | | | |
| | | | | Alat Bantu Penerangan | | 3 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | Plastik Terpal | | 1 | meter | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.7.3.3. | Pengamatan GPS (dengan sumber listrik ada sumber listrik) | RAW+RI NEX data Pembangunan GPS | Titik | Personil | Jenjang | | | 0.333333 | Titik/Hari | 3 | |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 0.75 | O.H | | | | |

| | | | | | | | | |
|-----------|--|---------------------------------|---|--|-----------------------------|---|---|-----|
| | | | | | Surveyor Pembanguna n | 4 | 6 | O.H |
| a) Jumlah | | | | | | | | |
| | | Alat | Spesifikasi/ Merk | | | | | |
| | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 8.25 | | | U.H |
| | | Mobil | | | 3 | | | U.H |
| | | Kamera Digital | Geotagging | | 3 | | | U.H |
| | | Akomodasi | | | 1.5 | | | U.H |
| | | GPS Handheld dan kelengkapannya | | | 3 | | | U.H |
| | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | | 3 | | | U.H |

| | | | | | | | | | | |
|----------|---------------|---------------------------|----------|--------------------------------------|---|---|-------|--|--|--|
| | | | | Meteorologi Sensor | TANDD seri TR73U (temperature humidity barometric pressure data logger) | 3 | U.H | | | |
| | | | | Kompas | | 3 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | Terpal | | 1 | meter | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.3.4. | Demoobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 0 | O.H | | | |
| | | | | Surveyor Pembangunan | 4 | 0 | O.H | | | |
| | | | | a) Jumlah | | | | | | |

| | | | | | | | | | | | | |
|----------|---|-----------------------------------|---------|-----------------------------|--------------------------------------|------------------------------|-----|-----|-----|--------------|---|--|
| | | | | | Alat | Spesifikasi/ Merk | | | | | | |
| | | | | | Tiket Transportasi | | 5 | LS | | | | |
| | | | | | Mobil | | 2 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.7.3.5. | Pelaporan Persiapan Pembangunan Jaringan Kontrol Horizontal | Laporan persiapan Pembangunan JKH | Dokumen | Personil | Jenjang | | | | 0.5 | Dokumen/Hari | 2 | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |
| | | | | Koordinator Pembangunan JKH | 6 | 2 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | | | |

| | | | | | | | | | | | | |
|--------|---|----------|---|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | | ATK | | 1 | set | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.7.4. | Pengolahan Data Jaringan Kontrol Horizontal | C.7.4.1. | Persiapan Alat dan Personil Pengolahan Data Jaringan Kontrol Horizontal | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H | | | |
| | | | | | | Koordinator Pembangunan JKH | 6 | 0.25 | O.H | | | |
| | | | | | | Surveyor Pengolahan Data | 4 | 1 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | U.H | | | |
| | | | | | | PC | | 2 | U.H | | | |

| | | | | | | | | | | | | |
|--|----------|--------------------------------|--------------------------|-------|--------------------------------------|------------------------------------|-------|-----|-----|------------|----------|--|
| | | | | | Workstation | | | | | | | |
| | | | | | Printer | A4, Berwarna | 1 | U.H | | | | |
| | | | | | Software Pengolah Data GPS | Tergantung merk GPS yang digunakan | 1 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | ATK | | 1 | set | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | C.7.4.2. | Pengolahan Data Pengamatan GPS | Data koordinat 3 dimensi | Titik | Personil | Jenjang | | | 7.5 | Titik/Hari | 0.133333 | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.033 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 0.033 | O.H | | | | |
| | | | | | Koordinator Pembangunan JKH | 6 | 0.033 | O.H | | | | |
| | | | | | Surveyor Pengolahan Data | 4 | 0.133 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | | | | |

| | | | | | | | | | | | |
|--|----------|---|---|---------|--------------------------------------|------------------------------------|----------|-----|-----|--------------|---|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.067 | U.H | | | |
| | | | | | PC Workstation | | 0.167 | U.H | | | |
| | | | | | Printer | A4, Berwarna | 0.133333 | U.H | | | |
| | | | | | Software Pengolah Data GPS | Tergantung merk GPS yang digunakan | 0.133333 | U.H | | | |
| | | | | | b) Jumlah | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| | C.7.4.3. | Pelaporan Pengolahan Data Pembangunan Jaringan Kontrol Horizontal | Laporan pengolahan data Pembangunan JKH | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen/Hari | 2 |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | | Koordinator Pembangunan JKH | 6 | 2 | O.H | | | |
| | | | | | a) Jumlah | | | | | | |

| | | | |
|--------------------------------------|------------------------------------|----|-------|
| Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| Printer | A4, Berwarna | 5 | U.H |
| b) Jumlah | | | |
| Bahan | Spesifikasi Bahan | | |
| Kertas HVS A4 | | 2 | rim |
| Tinta Printer | | 1 | paket |
| Penjilidan | | 3 | set |
| Harddisk Eksternal | | 1 | unit |
| ATK | | 1 | set |
| c) Jumlah | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | |

Analisa Biaya Keluaran Kegiatan
p. Pemutakhiran Jaring Kontrol Horizontal

BADAN INFORMASI
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Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemutakhiran Jaring Kontrol Horizontal :

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pemutakhiran Jaring Kontrol Horizontal:

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| C.8 Pemutakhiran Jaring Kontrol Horizontal | | | | | | | | | | | | |
|--|--------------------------|--------------|---|--------------------------|----------|------------------------------|------------------------------------|-----------|--------|-----------------|---------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | Kapasitas Kerja | Satuan | Koefisien |
| C.8 .1. | Persiapan Umum | C.8.1 .1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | 0.5 | Set File/Hari | 2 |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | |
| | | | | | | Koordinator Pemutakhiran JKH | 6 | 2 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| Bahan | Spesifikasi Bahan | | | | | | | | | | | |

| | | | | | | | | | | |
|-------|-----------------------------|------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|---|---------------|---|
| | | | | ATK | | 1 | set | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.8.1 | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 |
| .2. | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | | |
| | | | | Koordinator Pemutakhiran JKH | 6 | 1 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi /Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | | |
| | | | | PC Workstation | | 0 | U.H | | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | | |
| | | | | Mobil | | 0 | U.H | | | |
| | | | | Kamera Digital | Geotagging | 0 | U.H | | | |

| | | | | | | | | | | | |
|----------|---------------------|-------------------|---------|--------------------------------------|--|---|-----|-----|---------------|---|--|
| | | | | GPS Handheld dan kelengkapannya | | 0 | U.H | | | | |
| | | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 0 | U.H | | | | |
| | | | | Meteorologi Sensor | TANDD seri TR73U (temperatur e humidity barometric pressure data logger) | 0 | U.H | | | | |
| | | | | Kompas | | 0 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8.1.3. | Pelaporan Persiapan | Laporan persiapan | Dokumen | Personil | Jenjang | | | 0.5 | Dokumen /Hari | 2 | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |

| | | | | | | | | | | | | | |
|---------|--|-----------|--------------------|---|----------|--------------------------------------|------------------------------------|---|-----|-----|-----|---------------|---|
| | | | n Umum | | | Staff Administ ra si | 2 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | | U.H | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | ATK | | 1 | | set | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8 .2. | Persiapan Pemutakhiran Jaringan Kontrol Horizontal | C.8.2 .1. | Perizinan Lapangan | Surat izin mengadakan survei ke instansi-instansi terkait | Set File | Personil | Jenjang | | | | 0.5 | Set File/Hari | 2 |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | | O.H | | | |
| | | | | | | Staff Administ ra si | 2 | 2 | | O.H | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | | |

| | | | | | | | | | | | |
|----------|--|------------------------------------|----------|--------------------------------------|------------------------------------|------|-----|---|---------------|---|--|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8.2.2. | Persiapan Alat dan Personil Persiapan Pemutakhiran Jaring Kontrol Horizontal | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | | 1 | Set File/Hari | 1 | |
| | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 0.25 | O.H | | | | |
| | | | | Koordinator Pemutakhiran JKH | 6 | 0.25 | O.H | | | | |
| | | | | Surveyor Pemutakhiran | 4 | 2 | O.H | | | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | Spesifikasi /Merk | | | | | | |

| | | | | | | | | | | | |
|----------|------------|-------------------------|----------|--------------------------------------|------------------------------------|------|-----|--|--|--|--|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H | | | | |
| | | | | Printer | A4, Berwarna | 1 | U.H | | | | |
| | | | | Mobil | | 1 | U.H | | | | |
| | | | | Kamera Digital | Geotagging | 1 | U.H | | | | |
| | | | | GPS Handheld dan kelengkapannya | | 1 | U.H | | | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | ATK | | 1 | set | | | | |
| | | | | c) Jumlah | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8.2.3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | | |

| | | | | | | | | | | |
|----------|--|---------------------------------|----------|--------------------------------------|--------------------------|------|-----|--------|-------------|---|
| | | | | Koordinator Pemutakhiran JKH | 6 | 0 | O.H | | | |
| | | | | Surveyor Pemutakhiran | 4 | 0 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi /Merk | | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | |
| | | | | Mobil | | 2 | U.H | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | |
| | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| C.8.2.4. | Survei Pendahuluan Jaring Kontrol Horizont | Dokumen deskripsi sebaran titik | Set File | Personil | Jenjang | | | 0.3333 | Lokasi/Hari | 3 |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | 33 | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | |

| | | | | | | | |
|-------|----------|--------|-----|--------------------------------------|------------------------------------|------|-----|
| | al | | | Koordinator Pemutakhiran JKH | 6 | 0.75 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 6 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi /Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8.25 | U.H |
| | | | | Mobil | | 3 | U.H |
| | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 3 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.8.2 | Demobili | Berita | Set | Personil | Jenjang | | |

| | | | | | | | | | | | | | |
|---------------------|------|--------------------|------|--------------------------------------|--------------------------|-------------------|---------|--|--|--|-----------------|----------------|--|
| .5. | sasi | acara demobilisasi | File | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | | | | | |
| | | | | Koordinator Pemutakhiran JKH | 6 | 0 | O.H | | | | | | |
| | | | | Surveyor Pemutakhiran | 4 | 0 | O.H | | | | | | |
| | | | | a) Jumlah | | | | | | | | | |
| | | | | Alat | Spesifikasi /Merk | | | | | | | | |
| | | | | Tiket Transportasi | | 5 | LS | | | | | | |
| | | | | Mobil | | 2 | U.H | | | | | | |
| | | | | b) Jumlah | | | | | | | | | |
| | | | | Bahan | Spesifikasi Bahan | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | | C.8.2 .6. | Pelaporan Persiapan | Laporan persiapan | Dokumen | | | | Personil | Jenjang | |
| Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------------|---|--------------|--|--|-------------|---|---|---|------|-----|---|------------------|---|
| | | | n Pemutak hiran Jaring Kontrol Horizont al | Pemutak hiran JKH | | Staff Administra si | 2 | 2 | O.H | | | | |
| | | | | | | Koordinato r Pemutakhi ran JKH | 6 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 2 | | U.H | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | ATK | | 1 | | set | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8 .3. | Pemutak hiran Jaring Kontrol Horizont al | C.8.3 .1. | Persiapa n Alat dan Personil Pemutak hiran | Dokume n kesiapan n alat dan personil | Set File | Personil | Jenjang | | | | 1 | Set File/Hari | 1 |
| | | | | | | Ketua Tim Pelaksana | | 7 | 0.25 | O.H | | | |
| | | | | | | Staff Administra si | | 2 | 0.25 | O.H | | | |

| | | | | | | |
|--|--|---------------------------|---------------------------------|---|------|-----|
| | | Jaring Kontrol Horizontal | Koordinator Pemutakhiran JKH | 6 | 0.25 | O.H |
| | | | Surveyor Pemutakhiran | 4 | 2 | O.H |
| | | | a) Jumlah | | | |
| | | | Alat | Spesifikasi /Merk | | |
| | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H |
| | | | Printer | A4, Berwarna | 1 | U.H |
| | | | Mobil | | 1 | U.H |
| | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | GPS Handheld dan kelengkapannya | | 1 | U.H |
| | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 1 | U.H |

| | | | | | | | | | |
|-------|------------|-------------------------|----------|------------------------------|--------------------------------------|---|-----|-----|--|
| | | | | | Meteorologi Sensor | TANDD seri TR73U (temperature humidity barometric pressure data logger) | 1 | U.H | |
| | | | | | Kompas | | 1 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | ATK | | 1 | set | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.8.3 | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | | |
| .2. | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | |
| | | | | Staff Administrasi | 2 | 0 | O.H | | |
| | | | | Koordinator Pemutakhiran JKH | 6 | 0 | O.H | | |
| | | | | Surveyor Pemutakhiran | 4 | 0 | O.H | | |
| | | | | a) Jumlah | | | | | |

| | | | | | | | | | | | | |
|----------|---|----------------------------------|-------|------------------------------|--------------------------------------|--------------------------|-----|-----|----------|------------|---|--|
| | | | | | Alat | Spesifikasi /Merk | | | | | | |
| | | | | | Tiket Transportasi | | 5 | LS | | | | |
| | | | | | Mobil | | 2 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8.3.3. | Pengamatan GPS (dengan sumber listrik tidak ada sumber listrik) | RAW+RI NEX data Pemutakhiran GPS | Titik | Personil | Jenjang | | | | 0.333333 | Titik/Hari | 3 | |
| | | | | Ketua Tim Pelaksana | 7 | 0.75 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 0.75 | O.H | | | | | |
| | | | | Koordinator Pemutakhiran JKH | 6 | 0.75 | O.H | | | | | |
| | | | | Surveyor Pemutakhiran | 4 | 6 | O.H | | | | | |
| | | | | a) Jumlah | | | | | | | | |
| | | | | Alat | Spesifikasi /Merk | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|---------------------------------|--|------|-----|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8.25 | U.H |
| | | | | | Mobil | | 3 | U.H |
| | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | Akomodasi | | 1.5 | U.H |
| | | | | | GPS Handheld dan kelengkapannya | | 3 | U.H |
| | | | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 3 | U.H |
| | | | | | Meteorologi Sensor | TANDD seri TR73U (temperatur e humidity barometric pressure data logger) | 3 | U.H |
| | | | | | Kompas | | 3 | U.H |
| | | | | | Perlengkapan Flying Camp | | 3 | set |
| | | | | | Alat Bantu | | 3 | U.H |

| | | | | | | | | | | | | |
|----------|---|----------------------------------|-------|--|--------------------------------------|------------------------------------|------|--|-------|----------|------------|---|
| | | | | | Penerangan | | | | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | Plastik Terpal | | 1 | | meter | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | | | | Personil | Jenjang | | | | | | |
| C.8.3.3. | Pengamatan GPS (dengan sumber listrik ada sumber listrik) | RAW+RI NEX data Pemutakhiran GPS | Titik | | Ketua Tim Pelaksana | 7 | 0.75 | | O.H | 0.333333 | Titik/Hari | 3 |
| | | | | | Staff Administrasi | 2 | 0.75 | | O.H | | | |
| | | | | | Koordinator Pemutakhiran JKH | 6 | 0.75 | | O.H | | | |
| | | | | | Surveyor Pemutakhiran | 4 | 6 | | O.H | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi /Merk | | | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 8.25 | | U.H | | | |

| | | | | | | | | |
|--|--|--|--|--|---------------------------------|--|-----|-------|
| | | | | | Mobil | | 3 | U.H |
| | | | | | Kamera Digital | Geotagging | 3 | U.H |
| | | | | | Akomodasi | | 1.5 | U.H |
| | | | | | GPS Handheld dan kelengkapannya | | 3 | U.H |
| | | | | | GPS Geodetik dan kelengkapannya | Dual frekuensi Merk: Leica, Trimble, Topcon | 3 | U.H |
| | | | | | Meteorologi Sensor | TANDD seri TR73U (temperatur e humidity barometric pressure data logger) | 3 | U.H |
| | | | | | Kompas | | 3 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | Terpal | | 1 | meter |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan | | | |

| | | | | | | | | | | | | | | | |
|--------------|-------------------|-------------------------------------|-------------|---|---------|------------------------------|-----|--|--|--|--|--|--|--|--|
| | | | | | (a+b+c) | | | | | | | | | | |
| C.8.3 .4. | Demoobil isasi | Berita acara demobilis asi | Set File | Personil | | Jenjang | | | | | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | | | | | |
| | | | | Staff Administra si | 2 | 0 | O.H | | | | | | | | |
| | | | | Koordinato r Pemutakhi ran JKH | 6 | 0 | O.H | | | | | | | | |
| | | | | Surveyor Pemutakhi ran | 4 | 0 | O.H | | | | | | | | |
| | | | | a) Jumlah | | | | | | | | | | | |
| | | | | Alat | | Spesifikasi /Merk | | | | | | | | | |
| | | | | Tiket Transporta si | | 5 | LS | | | | | | | | |
| | | | | Mobil | | 2 | U.H | | | | | | | | |
| | | | | b) Jumlah | | | | | | | | | | | |
| | | | | Bahan | | Spesifikasi Bahan | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | c) Jumlah | | | | | | | | | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------------------------|----------|--|------------------------------------|----------|---|-----------------|----------------|--|--|---------------------|---|------|-----|--------------------|---------------|---|-----|------------------------------|---|---|-----|-----------|--|--|--|-------------|--------------------------|--|--|--------|------------------------------------|---|-----|---------|--------------|---|-----|-----------|--|--|--|--------------|--------------------------|--|--|-----|--|---|-----|-----------|--|--|--|--------------------------------------|--|--|--|-----|---------------|---|
| | | C.8.3.5. | Pelaporan Persiapan Pemutakhiran Jaringan Kontrol Horizontal | Laporan persiapan Pemutakhiran JKH | Dokumen | <table border="1"> <tr> <td>Personil</td> <td>Jenjang</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>2</td> <td>O.H</td> </tr> <tr> <td>Staff Administrasi</td> <td>2</td> <td>2</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pemutakhiran JKH</td> <td>6</td> <td>2</td> <td>O.H</td> </tr> <tr> <td colspan="4">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td>Spesifikasi /Merk</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>Minimal setara Core i5, Ram ≥ 4 GB</td> <td>6</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>A4, Berwarna</td> <td>2</td> <td>U.H</td> </tr> <tr> <td colspan="4">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td>Spesifikasi Bahan</td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td></td> <td>1</td> <td>set</td> </tr> <tr> <td colspan="4">c) Jumlah</td> </tr> <tr> <td colspan="4">d) Standar Biaya Sub Tahapan (a+b+c)</td> </tr> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 2 | O.H | Staff Administrasi | 2 | 2 | O.H | Koordinator Pemutakhiran JKH | 6 | 2 | O.H | a) Jumlah | | | | Alat | Spesifikasi /Merk | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | Printer | A4, Berwarna | 2 | U.H | b) Jumlah | | | | Bahan | Spesifikasi Bahan | | | ATK | | 1 | set | c) Jumlah | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | 0.5 | Dokumen /Hari | 2 |
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staff Administrasi | 2 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pemutakhiran JKH | 6 | 2 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | Spesifikasi /Merk | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | A4, Berwarna | 2 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | Spesifikasi Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | | 1 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.8.4. | Pengolahan Data Jaringan | C.8.4.1. | Persiapan Alat dan | Dokumen kesiapan | Set File | <table border="1"> <tr> <td>Personil</td> <td>Jenjang</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim Pelaksana</td> <td>7</td> <td>0.25</td> <td>O.H</td> </tr> </table> | Personil | Jenjang | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H | 1 | Set File/Hari | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | Jenjang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim Pelaksana | 7 | 0.25 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--------------------|--|---------------------|------------------------------|------------------------------------|------|-----|-----|--|
| Kontrol Horizontal | Personil Pengolahan Data Jaringan Kontrol Horizontal | n alat dan personil | Staff Administrasi | 2 | 0.25 | O.H | | |
| | | | Koordinator Pemutakhiran JKH | 6 | 0.25 | O.H | | |
| | | | Surveyor Pengolahan Data | 4 | 1 | O.H | | |
| | | | a) Jumlah | | | | | |
| | | | Alat | Spesifikasi /Merk | | | | |
| | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1.75 | | U.H | |
| | | | PC Workstation | | 2 | | U.H | |
| | | | Printer | A4, Berwarna | 1 | | U.H | |
| | | | Software Pengolah Data GPS | Tergantung merk GPS yang digunakan | 1 | | U.H | |
| | | | b) Jumlah | | | | | |
| | | | Bahan | Spesifikasi Bahan | | | | |
| | | | ATK | | 1 | | set | |
| | | | c) Jumlah | | | | | |

| | | | | | | | | | | | | |
|--|--|-----------|--------------------------------|--------------------------|--------------------------------------|------------------------------|------------------------------------|----------|-----|-----|------------|----------|
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| | | C.8.4 .2. | Pengolahan Data Pengamatan GPS | Data koordinat 3 dimensi | Titik | Personil | Jenjang | | | 7.5 | Titik/Hari | 0.133333 |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.033 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0.033 | O.H | | | |
| | | | | | | Koordinator Pemutakhiran JKH | 6 | 0.033 | O.H | | | |
| | | | | | | Surveyor Pengolahan Data | 4 | 0.133 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.067 | U.H | | | |
| | | | | | | PC Workstation | | 0.167 | U.H | | | |
| | | | | | | Printer | A4, Berwarna | 0.133333 | U.H | | | |

| | | | | | | | | | | |
|-------|-----|--|--|---------|--------------------------------------|------------------------------------|--------------|-----|-----|---------------|
| | | | | | Software Pengolah Data GPS | Tergantung merk GPS yang digunakan | 0.133 333 | U.H | | |
| | | | | | b) Jumlah | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | |
| | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| | | | | | Personil | Jenjang | | | 0.5 | Dokumen /Hari |
| | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | |
| | | | | | Staff Administrasi | 2 | 2 | O.H | | |
| | | | | | Koordinator Pemutakhiran JKH | 6 | 2 | O.H | | |
| | | | | | a) Jumlah | | | | | |
| | | | | | Alat | Spesifikasi /Merk | | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | |
| | | | | | PC | | 2 | U.H | | |
| C.8.4 | .3. | Pelaporan Pengolahan Data Pemutakhiran Jaringan Kontrol Horizontal | Laporan pengolahan data Pemutakhiran JKH | Dokumen | | | | | | 2 |

| | | | | | | | | | | | | | |
|--------|-----------|----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|----|-----|-----|---------------|---|--|
| | | | | | | Workstation | | | | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.8.5. | Pelaporan | C.8.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | | 0.2 | Set File/Hari | 5 | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 5 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi /Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 5 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | Spesifikasi | | | | | | |

| | | | | Bahan | | |
|--|--|--|--|--------------------------------------|---|-------|
| | | | | Kertas HVS A4 | 2 | rim |
| | | | | Tinta Printer | 1 | paket |
| | | | | Penjilidan | 3 | set |
| | | | | Harddisk Eksternal | 1 | unit |
| | | | | ATK | 1 | set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |



Analisa Biaya Keluaran Kegiatan
q. Pembangunan Jaring Kontrol Vertikal

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembangunan Jaring Kontrol Vertikal:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pembangunan Jaring Kontrol Vertikal:

BADAN INFORMASI
GEOSPASIAL

| C.9. Pembangunan Jaring Kontrol Vertikal | | | | | | | | | | | | | |
|--|----------------|---------|---|--------------------------|----------|-----------------------------|------------------------------------|-----------|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | |
| C.9.1 | Persiapan Umum | C.9.1.1 | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | | Koordinator Pembangunan JKV | 6 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | ATK | | 1 | set | | | | |
| | | | | | | c) Jumlah | | | | | | | |

| | | | | | | | | | |
|---------------------------------|-----------------------------|-------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|--|--|
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| C.9.1.2 | Persiapan Alat dan Personil | Dokumen kesiapann alat dan personil | Set File | Personil | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | |
| | | | | Koordinator Pembangunan JKV | 6 | 1 | O.H | | |
| | | | | a) Jumlah | | | | | |
| | | | | Alat | Spesifikasi/ Merk | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | |
| | | | | PC Workstation | | 0 | U.H | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | |
| | | | | Mobil | | 0 | U.H | | |
| Kamera Digital | Geotagging | 0 | U.H | | | | | | |
| GPS Handheld dan kelengkapannya | | 0 | U.H | | | | | | |

| | | | | | | | |
|---------|--------------------------------|----------------------|-------------|---|--|---|-----|
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.1.3 | Pelaporan Persiapan Umum | Laporan persiapan | Dokume n | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mer k | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |

| | | | | | | | | | |
|-------|---|--------------|------------------------------------|---|----------|--------------------------------------|-------------------------|---|-----|
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.2 | Persiapan Pembangunan Jaringan Kontrol Vertikal | C.9.2.1 | Perizinan Lapangan | Surat izin mengadakan survei ke instansi-instansi terkait | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | b) Jumlah | | | | | | | |
| | | Bahan | Spesifikasi Bahan | | | | | | |
| | | ATK | | 1 | set | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.2 | Persiapan | Dokumen | Set File | Personil | Jenjang | | |

| | | | | | | | | | |
|--|--|---------|---|--|-----------|--------------------------------------|------------------------------------|------|-----|
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan jarang, cuaca baik) | Sebaran titik-titik Pembangunan sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.25 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 1 | U.H |

| | | | | | | | | | |
|--|--|---------|--|---|---------------|---|--|-----|-----|
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan padat, cuaca baik) | Sebaran titik-titik Pembanguna n sipat datar teliti | Kilomete r | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.5 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.5 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Mer k | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.5 | U.H |

| | | | | | | | | | |
|--|--|---------|--|--|--------------------------------------|-----------------------------|----------------|--------------|-----|
| | | | | | Printer | A4, Berwarna | 2 | U.H | |
| | | | | | Mobil | | 2 | U.H | |
| | | | | | Kamera Digital | Geotagging | 2 | U.H | |
| | | | | | GPS Handheld dan kelengkapannya | | 2 | U.H | |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | | | | | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan jarang, cuaca buruk) | Sebaran titik-titik Pembangunan sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.35714 3 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.35714 3 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.35714 3 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 2.85714 3 | O.H |

| | | | | | | | | | |
|--|--|---------|--------|---------|----------|--------------------------------------|------------------------------------|--------------|-----|
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.92857 1 | U.H |
| | | | | | | Printer | A4, Berwarna | 1.42857 1 | U.H |
| | | | | | | Mobil | | 1.42857 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1.42857 1 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 1.42857 1 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.42857 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.4 | Survei | Sebaran | Kilomete | Personil | Jenjang | | |

| | | | | | | | | | | | | | |
|--|--|---|--|--|---|---------------------------------|------------------------------------|----------|-----|--|--|--|--|
| | | . | Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan padat, cuaca buruk) | titik-titik Pembangunan sipat datar teliti | r | Ketua Tim Pelaksana | 7 | 0.714286 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 0.714286 | O.H | | | | |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.714286 | O.H | | | | |
| | | | | | | Surveyor Pembangunan | 4 | 5.714286 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7.857143 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 2.857143 | U.H | | | | |
| | | | | | | Mobil | | 2.857143 | U.H | | | | |
| | | | | | | Kamera Digital | Geotagging | 2.857143 | U.H | | | | |
| | | | | | | GPS Handheld dan kelengkapannya | | 2.857143 | U.H | | | | |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.857143 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |

| | | | | | Bahan | Spesifikasi Bahan | | |
|---------|--|--|-----------|--|--------------------------------------|------------------------------------|----------|-----|
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan padat, cuaca baik) | Sebaran titik-titik Pembangunan sipat datar teliti | Kilometer | | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0.833333 | O.H |
| | | | | | Staff Administrasi | 2 | 0.833333 | O.H |
| | | | | | Koordinator Pembangunan JKV | 6 | 0.833333 | O.H |
| | | | | | Surveyor Pembangunan | 4 | 6.666667 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 9.166667 | U.H |
| | | | | | Printer | A4, Berwarna | 3.333333 | U.H |
| | | | | | Mobil | | 3.333333 | U.H |
| | | | | | Kamera Digital | Geotagging | 3.333333 | U.H |

| | | | | | | | | | |
|--|--|---------|---|--|-----------|--------------------------------------|-----------------------------|---------------|-----|
| | | | | | | | | 3 | |
| | | | | | | GPS Handheld dan kelengkapannya | | 3.333333 3 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 3.333333 3 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca baik) | Sebaran titik-titik Pembangunan sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.35714 3 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.35714 3 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.35714 3 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 2.85714 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| | | | | | | | | | |
|--|--|---------|----------------------------|--------------------------------|--------------------------------------|------------------------------------|----------------|--------------|-----|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.92857 1 | U.H | |
| | | | | | Printer | A4, Berwarna | 1.42857 1 | U.H | |
| | | | | | Mobil | | 1.42857 1 | U.H | |
| | | | | | Kamera Digital | Geotagging | 1.42857 1 | U.H | |
| | | | | | GPS Handheld dan kelengkapannya | | 1.42857 1 | U.H | |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.42857 1 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | | | | | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra | Sebaran titik-titik Pembanguna | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1.19047 6 | O.H |

| | | | | | | | | |
|--|--|--|--|----------------------|---------------------------------|------------------------------------|----------|-----|
| | | | Desain (dengan topografi terjal, lalu lalang kendaraan padat, cuaca buruk) | n sipat datar teliti | Staff Administrasi | 2 | 1.190476 | O.H |
| | | | | | Koordinator Pembangunan JKV | 6 | 1.190476 | O.H |
| | | | | | Surveyor Pembangunan | 4 | 9.52381 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 13.09524 | U.H |
| | | | | | Printer | A4, Berwarna | 4.761905 | U.H |
| | | | | | Mobil | | 4.761905 | U.H |
| | | | | | Kamera Digital | Geotagging | 4.761905 | U.H |
| | | | | | GPS Handheld dan kelengkapannya | | 4.761905 | U.H |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 4.761905 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |

| | | | | | | | | | |
|--|--|---------|--|--|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.4 | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca buruk) | Sebaran titik-titik Pembangunan sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.510204 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.510204 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 0.510204 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 4.081633 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.612245 | U.H |
| | | | | | | Printer | A4, Berwarna | 2.040816 | U.H |
| | | | | | | Mobil | | 2.040816 | U.H |
| | | | | | | Kamera Digital | Geotagging | 2.040816 | U.H |

| | | | | | | | | | |
|--|--|---------|---|-----------------------------------|---------|--------------------------------------|------------------------------------|----------|-----|
| | | | | | | GPS Handheld dan kelengkapannya | | 2.040816 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.040816 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.9.2.5 | Pelaporan Persiapan Pembangunan Jaringan Kontrol Vertikal | Laporan persiapan Pembangunan JKV | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |

| | | | | | | | | | |
|-------|---------------------------------------|---------|---|-------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3 | Pembangunan Jaringan Kontrol Vertikal | C.9.3.1 | Persiapan Alat dan Personil Pembangunan Jaringan Kontrol Vertikal | Dokumen kesiapann alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 1 | O.H |
| | | | | | | Surveyor Pembangunan | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |

| | | | | | | | |
|---------|--|---|-----------|--------------------------------------|-----------------------------|----------|-----|
| | | | | Mobil | | 1 | U.H |
| | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 1 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan jarang, cuaca baik) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.192308 | O.H |
| | | | | Staff Administrasi | 2 | 0.192308 | O.H |
| | | | | Koordinator Pembangunan JKV | 6 | 0.192308 | O.H |
| | | | | Surveyor Pembangunan | 4 | 1.538462 | O.H |
| | | | | a) Jumlah | | | |

| | | | | | | | |
|---------|------------|--------------|----------|---|--|--------------|-----|
| | | | | Alat | Spesifikasi/Mer k | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.11538 5 | U.H |
| | | | | Printer | A4, Berwarna | 0.76923 1 | U.H |
| | | | | Mobil | | 0.76923 1 | U.H |
| | | | | Kamera Digital | Geotagging | 0.76923 1 | U.H |
| | | | | GPS Handheld dan kelengkapanny a | | 0.76923 1 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 0.76923 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembanguna | Tinggi titik | Kilomete | Personil | Jenjang | | |

| | | | | | | | | | | |
|--|---|------------------------------|---|---------------------------------|------------------------------------|----------|-----|--|--|--|
| | n Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan padat, cuaca baik) | kontrol geodesi terhadap MSL | r | Ketua Tim Pelaksana | 7 | 0.384615 | O.H | | | |
| | | | | Staff Administrasi | 2 | 0.384615 | O.H | | | |
| | | | | Koordinator Pembangunan JKV | 6 | 0.384615 | O.H | | | |
| | | | | Surveyor Pembangunan | 4 | 3.076923 | O.H | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4.230769 | U.H | | | |
| | | | | Printer | A4, Berwarna | 1.538462 | U.H | | | |
| | | | | Mobil | | 1.538462 | U.H | | | |
| | | | | Kamera Digital | Geotagging | 1.538462 | U.H | | | |
| | | | | GPS Handheld dan kelengkapannya | | 1.538462 | U.H | | | |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.538462 | U.H | | | |
| | | | | b) Jumlah | | | | | | |

| | | | | Bahan | Spesifikasi Bahan | | |
|---------|---|---|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan jarang, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.274725 | O.H |
| | | | | Staff Administrasi | 2 | 0.274725 | O.H |
| | | | | Koordinator Pembangunan JKV | 6 | 0.274725 | O.H |
| | | | | Surveyor Pembangunan | 4 | 2.197802 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.021978 | U.H |
| | | | | Printer | A4, Berwarna | 1.098901 | U.H |
| | | | | Mobil | | 1.098901 | U.H |
| | | | | Kamera Digital | Geotagging | 1.09890 | U.H |

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|---------|--|---|-----------|--------------------------------------|-----------------------------|----------|-----|
| | | | | | | 1 | |
| | | | | GPS Handheld dan kelengkapannya | | 1.098901 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.098901 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan padat, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.549451 | O.H |
| | | | | Staff Administrasi | 2 | 0.549451 | O.H |
| | | | | Koordinator Pembangunan JKV | 6 | 0.549451 | O.H |
| | | | | Surveyor Pembangunan | 4 | 4.395604 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |

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|---------|--|---|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6.043956 | U.H |
| | | | | Printer | A4, Berwarna | 2.197802 | U.H |
| | | | | Mobil | | 2.197802 | U.H |
| | | | | Kamera Digital | Geotagging | 2.197802 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 2.197802 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.197802 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | | | Personil | Jenjang | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Ketua Tim Pelaksana | 7 | 0.641026 | O.H |
| | | | | Staff Administrasi | 2 | 0.641026 | O.H |

| | | | | | | | | |
|--|--|--|--|--|---------------------------------|------------------------------------|--------------|-----|
| | | terjal, lalu lalang kendaraan padat, cuaca baik) | | | Koordinator Pembangunan JKV | 6 | 0.64102 6 | O.H |
| | | | | | Surveyor Pembangunan | 4 | 5.12820 5 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 7.05128 2 | U.H |
| | | | | | Printer | A4, Berwarna | 2.56410 3 | U.H |
| | | | | | Mobil | | 2.56410 3 | U.H |
| | | | | | Kamera Digital | Geotagging | 2.56410 3 | U.H |
| | | | | | GPS Handheld dan kelengkapannya | | 2.56410 3 | U.H |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.56410 3 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |

| | | | | | | | | | |
|---------------------------------|--|---|-----------|--------------------------------------|-----|------------------------------------|-----|----------|-----|
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca baik) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | | Jenjang | | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.274725 | O.H | | |
| | | | | Staff Administrasi | 2 | 0.274725 | O.H | | |
| | | | | Koordinator Pembangunan JKV | 6 | 0.274725 | O.H | | |
| | | | | Surveyor Pembangunan | 4 | 2.197802 | O.H | | |
| | | | | a) Jumlah | | | | | |
| | | | | Alat | | Spesifikasi/Merk | | | |
| | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | | 3.021978 | U.H |
| | | | | Printer | | A4, Berwarna | | 1.098901 | U.H |
| | | | | Mobil | | | | 1.098901 | U.H |
| Kamera Digital | | Geotagging | | 1.098901 | U.H | | | | |
| GPS Handheld dan kelengkapannya | | | | 1.098901 | U.H | | | | |

| | | | | | | | |
|---------|--|---|-----------|---|------------------------------------|--------------|-----|
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.09890 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi terjal, lalu lalang kendaraan padat, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.91575 1 | O.H |
| | | | | Staff Administrasi | 2 | 0.91575 1 | O.H |
| | | | | Koordinator Pembangunan JKV | 6 | 0.91575 1 | O.H |
| | | | | Surveyor Pembangunan | 4 | 7.32600 7 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10.0732 6 | U.H |

| | | | | | | | |
|---------|--|---|-----------|--------------------------------------|-----------------------------|--------------|-----|
| | | | | Printer | A4, Berwarna | 3.66300 4 | U.H |
| | | | | Mobil | | 3.66300 4 | U.H |
| | | | | Kamera Digital | Geotagging | 3.66300 4 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 3.66300 4 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 3.66300 4 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.3.2 | Pembangunan Sipat Datar Teliti (dengan topografi terjal, lalu lalang kendaraan jarang, | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.39246 5 | O.H |
| | | | | Staff Administrasi | 2 | 0.39246 5 | O.H |
| | | | | Koordinator Pembangunan JKV | 6 | 0.39246 5 | O.H |

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|--|--|--------------|--|--|---|--|--------------|-----|
| | | cuaca buruk) | | | Surveyor Pembangunan | 4 | 3.13971 7 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Mer k | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4.31711 1 | U.H |
| | | | | | Printer | A4, Berwarna | 1.56985 9 | U.H |
| | | | | | Mobil | | 1.56985 9 | U.H |
| | | | | | Kamera Digital | Geotagging | 1.56985 9 | U.H |
| | | | | | GPS Handheld dan kelengkapanny a | | 1.56985 9 | U.H |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.56985 9 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| | | | | | | | | | | | | |
|---------|---|---------------------------|----------|---------------------|--------------------------------------|--------------------------|-----|-----|--|--|--|--|
| | | | | | Personil | Jenjang | | | | | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | | |
| | | | | | Staff Administrasi | 2 | 0 | O.H | | | | |
| | | | | | Koordinator Pembangunan JKH | 6 | 0 | O.H | | | | |
| | | | | | Surveyor Pembangunan | 4 | 0 | O.H | | | | |
| | | | | | a) Jumlah | | | | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | | | | |
| | | | | | Tiket Transportasi | | 5 | LS | | | | |
| | | | | | Mobil | | 2 | U.H | | | | |
| | | | | | b) Jumlah | | | | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | | | | |
| | | | | | | | | | | | | |
| | | | | | c) Jumlah | | | | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | |
| C.9.3.3 | Demobilisasi | Berita acara demobilisasi | Set File | | | | | | | | | |
| C.9.3.4 | Pelaporan Pembangunan Jaringan Kontrol Vertikal | Laporan Pembangunan JKV | Dokumen | Personil | Jenjang | | | | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | |
| | | | | Staff Administrasi | 2 | 2 | O.H | | | | | |

| | | | | | | | | | |
|-------|---|---------|--|-------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | | | Koordinator Pembangunan JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.4 | Pengolahan Data Jaring Kontrol Vertikal | C.9.4.1 | Persiapan Alat dan Personil Pengolahan Jaring Kontrol Vertikal | Dokumen kesiapann alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pembangunan JKV | 6 | 1 | O.H |

| | | | | | | | | | |
|--|--|---------|---|---|--------------------------------------|------------------------------------|----------------|-------|-----|
| | | | | | Surveyor Pengolahan Data | 4 | 1 | O.H | |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H | |
| | | | | | PC Workstation | | 2 | U.H | |
| | | | | | Printer | A4, Berwarna | 1 | U.H | |
| | | | | | Software pengolah data | Software komersial | 2 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | ATK | | 1 | set | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.9.4.2 | Pengolahan Data Pembangunan Sifat Datar | Tinggi orthometris dan dinamis titik tinggi geodesi | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.033 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.033 | O.H |

| | | | | | | | | | |
|-------|-----------|---------|-------------------|---------------|---------|--------------------------------------|------------------------------------|---|-----|
| | | | Kontrol Vertikal | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.9.5 | Pelaporan | C.9.5.1 | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |

| | | | | | | | |
|--|--|--|--|--------------------------------------|------------------------------------|----|-------|
| | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | Kertas HVS A4 | | 2 | rim |
| | | | | Tinta Printer | | 1 | paket |
| | | | | Penjilidan | | 3 | set |
| | | | | Harddisk Eksternal | | 1 | unit |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



**Analisa Biaya Keluaran Kegiatan
r. Pemutakhiran Jaring Kontrol Vertikal**

BADAN INFORMASI
GEOSPASIAL

Berikut merupakan gambaran beberapa faktor produktivitas yang mempengaruhi pekerjaan penyelenggaraan IGD yang ada di Pusat Jaring Kontrol Geodesi dan Geodinamika

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemutakhiran Jaring Kontrol Vertikal:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Pemutakhiran Jaring Kontrol Vertikal

BADAN INFORMASI
GEOSPASIAL

| C.10. Pemutakhiran Jaring Kontrol Vertikal | | | | | | | | | |
|--|----------------|-----------|---|--------------------------|----------|------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| C.10.1 | Persiapan Umum | C.10.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub | | | |

| | | | | | | | | | |
|---|-----------------------------------|--|----------|------------------------------------|--|---|-----|--|--|
| | | | | Tahapan (a+b+c) | | | | | |
| C.10.1. 2. | Persiapan Alat dan Personil | Dokumen kesiapann alat dan personil | Set File | Personil | Jenjang | | | | |
| | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | | |
| | | | | Staff Administrasi | 2 | 1 | O.H | | |
| | | | | Koordinator Pemutakhiran JKV | 6 | 1 | O.H | | |
| | | | | a) Jumlah | | | | | |
| | | | | Alat | Spesifikasi/Me rk | | | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H | | |
| | | | | PC Workstation | | 0 | U.H | | |
| | | | | Printer | A4, Berwarna | 0 | U.H | | |
| | | | | Mobil | | 0 | U.H | | |
| | | | | Kamera Digital | Geotagging | 0 | U.H | | |
| GPS Handheld dan kelengkapann ya | | 0 | U.H | | | | | | |

| | | | | | | | |
|---------------|--------------------------------|----------------------|-------------|---|--|---|-----|
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 0 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.1. 3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokume n | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Me rk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |

| | | | | | | | | | | | |
|--------|--|--------------|------------------------------------|---|----------|--------------------------------------|-------------------------|----------------|-----|--|--|
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| C.10.2 | Persiapan Pemutakhiran Jaringan Kontrol Vertikal | C.10.2.1. | Perizinan Lapangan | Surat izin mengadakan survei ke instansi-instansi terkait | Set File | Personil | | Jenjang | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | |
| | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 4 | U.H | | | | | |
| | | Printer | A4, Berwarna | | 2 | U.H | | | | | |
| | | b) Jumlah | | | | | | | | | |
| | | Bahan | Spesifikasi Bahan | | | | | | | | |
| | | ATK | | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | |
| | | C.10.2.2. | Persiapan Alat dan | Dokumen kesiapan | Set File | Personil | | Jenjang | | | |
| | | | | | | Ketua Tim | 7 | 1 | O.H | | |

| | | | | | | | | | |
|--|--|--|--|----------------------|--|---------------------------------------|--|---|-----|
| | | | Personil Persiapan Pemutakhiran JKV | alat dan personil | | Pelaksana | | | |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Me rk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 1 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |

| | | | | | | | | |
|--|-----------|------------|-------------------------|----------|--------------------------------------|--------------------------|---|-----|
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.10.2.3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | Koordinator Pemutakhiran JKH | 6 | 0 | O.H |
| | | | | | Surveyor Pemutakhiran | 4 | 0 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | Tiket Transportasi | | 5 | LS |
| | | | | | Mobil | | 2 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | C.10.2. | Survei | Sebaran | Kilomete | Personil | Jenjang | | |

| | | | | | | | | | |
|--|--|----|--|---|---|---------------------------------|------------------------------------|------|-----|
| | | 4. | Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan jarang, cuaca baik) | titik-titik Pemutakhiran sipat datar teliti | r | Ketua Tim Pelaksana | 7 | 0.25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.25 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.25 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.75 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 1 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |

| | | | | | | | | | |
|--|--|-----------|--|---|-----------|--------------------------------------|------------------------------------|-----|-----|
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan padat, cuaca baik) | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.5 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.5 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.5 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 2 | U.H |
| | | | | | | GPS Handheld dan kelengkapann | | 2 | U.H |

| | | | | | | | | | |
|--|--|---------------|--|--|---|------------------------------------|----------------|--------------|-----|
| | | | | | ya | | | | |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | | | | | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.10.2. 4. | Survei Pendahuluan dan Pra Desain (dengan topografi landai, lalu lalang kendaraan jarang, cuaca buruk) | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.35714 3 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.35714 3 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.35714 3 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 2.85714 3 | O.H |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | Spesifikasi/ Merk | | | |

| | | | | | | | | | |
|--|--|-----------|----------------------------|----------------------------------|--------------------------------------|------------------------------------|----------------|--------------|-----|
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.92857 1 | U.H | |
| | | | | | Printer | A4, Berwarna | 1.42857 1 | U.H | |
| | | | | | Mobil | | 1.42857 1 | U.H | |
| | | | | | Kamera Digital | Geotagging | 1.42857 1 | U.H | |
| | | | | | GPS Handheld dan kelengkapannya | | 1.42857 1 | U.H | |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.42857 1 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | | | | | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra | Sebaran titik-titik Pemutakhiran | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.71428 6 | O.H |

| | | | | | | | | | | |
|-----------|--|--|--|----------------------|--|---------------------------------|---|------------------------------------|----------|-----|
| | | | Desain (dengan topografi landai, lalu lalang kendaraan padat, cuaca buruk) | n sipat datar teliti | | Staff Administrasi | 2 | 0.714286 | O.H | |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.714286 | O.H | |
| | | | | | | Surveyor Pemutakhiran | 4 | 5.714286 | O.H | |
| a) Jumlah | | | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/ Merk | | |
| | | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 7.857143 | U.H |
| | | | | | | Printer | | A4, Berwarna | 2.857143 | U.H |
| | | | | | | Mobil | | | 2.857143 | U.H |
| | | | | | | Kamera Digital | | Geotagging | 2.857143 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | | 2.857143 | U.H |
| | | | | | | Waterpass Teliti | | Leica DNA 03, Topcon DL 503 | 2.857143 | U.H |
| b) Jumlah | | | | | | | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | |

| | | | | | | | | | |
|--|--|-----------|--|---|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan padat, cuaca baik) | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.833333 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.833333 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.833333 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 6.666667 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Mark | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 9.166667 | U.H |
| | | | | | | Printer | A4, Berwarna | 3.333333 | U.H |
| | | | | | | Mobil | | 3.333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 3.333333 | U.H |

| | | | | | | | | | |
|--|--|-----------|---|---|--------------------------------------|------------------------------|----------------|----------|-----|
| | | | | | GPS Handheld dan kelengkapannya | | 3.333333 | U.H | |
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 3.333333 | U.H | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | Spesifikasi Bahan | | | |
| | | | | | | | | | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca baik) | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.357143 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.357143 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.357143 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 2.857143 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Merk | | | |

| | | | | | | | | | |
|--|--|-----------|---|---|-----------|--------------------------------------|------------------------------------|--------------|-----|
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.92857 1 | U.H |
| | | | | | | Printer | A4, Berwarna | 1.42857 1 | U.H |
| | | | | | | Mobil | | 1.42857 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1.42857 1 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 1.42857 1 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.42857 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra Desain (dengan | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1.19047 6 | O.H |
| | | | | | | Staff Administrasi | 2 | 1.19047 6 | O.H |

| | | | | | | | | | |
|-----------|--|--|---|--|--|---------------------------------|------------------------------------|----------|-----|
| | | | topografi terjal, lalu lalang kendaraan padat, cuaca buruk) | | | Koordinator Pemutakhiran JKV | 6 | 1.190476 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 9.52381 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 13.09524 | U.H |
| | | | | | | Printer | A4, Berwarna | 4.761905 | U.H |
| | | | | | | Mobil | | 4.761905 | U.H |
| | | | | | | Kamera Digital | Geotagging | 4.761905 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 4.761905 | U.H |
| | | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 4.761905 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| | | | | | | | | | |
|--|--|-----------|--|---|--------------------------------------|---------------------------------|------------------------------------|----------|-----|
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| | | C.10.2.4. | Survei Pendahuluan dan Pra Desain (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca buruk) | Sebaran titik-titik Pemutakhiran sipat datar teliti | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.510204 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.510204 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 0.510204 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 4.081633 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5.612245 | U.H |
| | | | | | | Printer | A4, Berwarna | 2.040816 | U.H |
| | | | | | | Mobil | | 2.040816 | U.H |
| | | | | | | Kamera Digital | Geotagging | 2.040816 | U.H |
| | | | | | | GPS Handheld dan kelengkapannya | | 2.040816 | U.H |

| | | | | | | | | |
|--|--|---------------|--|--|---|--|----------------|----------|
| | | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.04081 6 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.10.2. 5. | Pelaporan Persiapan Pemukhira n Jaring Kontrol Vertikal | Laporan persiapan Pemukhira n JKV | Dokume n | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 O.H |
| | | | | | | Staff Administrasi | 2 | 2 O.H |
| | | | | | | Koordinator Pemukhira n JKV | 6 | 2 O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Me rk | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | Printer | A4, Berwarna | 2 | U.H |

| | | | | | | | | | |
|--------|--|-----------|--|------------------------------------|----------|--------------------------------------|------------------------------------|---|-----|
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3 | Pemutakhiran Jaringan Kontrol Vertikal | C.10.3.1. | Persiapan Alat dan Personil Pemutakhiran Jaringan Kontrol Vertikal | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |

| | | | | | | | |
|-----------|---|---|-----------|--------------------------------------|-----------------------------|----------|-----|
| | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 1 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan jarang, cuaca baik) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.192308 | O.H |
| | | | | Staff Administrasi | 2 | 0.192308 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.192308 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 1.538462 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |

| | | | | | | | |
|-----------|---------------------------------|------------------------------|-----------|--------------------------------------|------------------------------------|--------------|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2.11538 5 | U.H |
| | | | | Printer | A4, Berwarna | 0.76923 1 | U.H |
| | | | | Mobil | | 0.76923 1 | U.H |
| | | | | Kamera Digital | Geotagging | 0.76923 1 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 0.76923 1 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 0.76923 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti | Tinggi titik kontrol geodesi | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.38461 5 | O.H |

| | | | | | | | |
|-----------|--|--|--------------|---------------------------------|---|------------------------------------|------------------|
| | | (dengan topografi landai, lalu lalang kendaraan padat, cuaca baik) | terhadap MSL | Staff Administrasi | 2 | 0.38461 5 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.38461 5 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 3.07692 3 | O.H |
| a) Jumlah | | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | |
| | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 4.23076 9 U.H |
| | | | | Printer | | A4, Berwarna | 1.53846 2 U.H |
| | | | | Mobil | | | 1.53846 2 U.H |
| | | | | Kamera Digital | | Geotagging | 1.53846 2 U.H |
| | | | | GPS Handheld dan kelengkapannya | | | 1.53846 2 U.H |
| | | | | Waterpass Teliti | | Leica DNA 03, Topcon DL 503 | 1.53846 2 U.H |
| b) Jumlah | | | | | | | |
| | | | | Bahan | | Spesifikasi Bahan | |

| | | | | | | | |
|-----------|--|---|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sifat Datar Teliti (dengan topografi landai, lalu lalang kendaraan jarang, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.274725 | O.H |
| | | | | Staff Administrasi | 2 | 0.274725 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.274725 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 2.197802 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.021978 | U.H |
| | | | | Printer | A4, Berwarna | 1.098901 | U.H |
| | | | | Mobil | | 1.098901 | U.H |
| | | | | Kamera Digital | Geotagging | 1.098901 | U.H |

| | | | | | | | |
|-----------|---|---|-----------|--------------------------------------|-----------------------------|----------|-----|
| | | | | GPS Handheld dan kelengkapannya | | 1.098901 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.098901 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti (dengan topografi landai, lalu lalang kendaraan padat, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.549451 | O.H |
| | | | | Staff Administrasi | 2 | 0.549451 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.549451 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 4.395604 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |

| | | | | | | | |
|-----------|---------------------------------|------------------------------|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6.043956 | U.H |
| | | | | Printer | A4, Berwarna | 2.197802 | U.H |
| | | | | Mobil | | 2.197802 | U.H |
| | | | | Kamera Digital | Geotagging | 2.197802 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 2.197802 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 2.197802 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti | Tinggi titik kontrol geodesi | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.641026 | O.H |

| | | | | | | | |
|-----------|--|--|--------------|---------------------------------|---|------------------------------------|------------------|
| | | (dengan topografi terjal, lalu lalang kendaraan padat, cuaca baik) | terhadap MSL | Staff Administrasi | 2 | 0.64102 6 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.64102 6 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 5.12820 5 | O.H |
| a) Jumlah | | | | | | | |
| | | | | Alat | | Spesifikasi/ Merk | |
| | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 7.05128 2 U.H |
| | | | | Printer | | A4, Berwarna | 2.56410 3 U.H |
| | | | | Mobil | | | 2.56410 3 U.H |
| | | | | Kamera Digital | | Geotagging | 2.56410 3 U.H |
| | | | | GPS Handheld dan kelengkapannya | | | 2.56410 3 U.H |
| | | | | Waterpass Teliti | | Leica DNA 03, Topcon DL 503 | 2.56410 3 U.H |
| b) Jumlah | | | | | | | |
| | | | | Bahan | | Spesifikasi Bahan | |

| | | | | | | | |
|-----------|---|---|-----------|--------------------------------------|------------------------------------|----------|-----|
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sifat Datar Teliti (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca baik) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.274725 | O.H |
| | | | | Staff Administrasi | 2 | 0.274725 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.274725 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 2.197802 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 3.021978 | U.H |
| | | | | Printer | A4, Berwarna | 1.098901 | U.H |
| | | | | Mobil | | 1.098901 | U.H |
| | | | | Kamera Digital | Geotagging | 1.098901 | U.H |

| | | | | | | | |
|-----------|---|---|-----------|--------------------------------------|-----------------------------|--------------|-----|
| | | | | GPS Handheld dan kelengkapannya | | 1.09890 1 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.09890 1 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti (dengan topografi terjal, lalu lalang kendaraan padat, cuaca buruk) | Tinggi titik kontrol geodesi terhadap MSL | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.91575 1 | O.H |
| | | | | Staff Administrasi | 2 | 0.91575 1 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.91575 1 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 7.32600 7 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Merk | | |

| | | | | | | | |
|-----------|---------------------------------|------------------------------|-----------|--------------------------------------|------------------------------------|--------------|-----|
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10.0732 6 | U.H |
| | | | | Printer | A4, Berwarna | 3.66300 4 | U.H |
| | | | | Mobil | | 3.66300 4 | U.H |
| | | | | Kamera Digital | Geotagging | 3.66300 4 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 3.66300 4 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 3.66300 4 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.2. | Pemutakhiran Sipat Datar Teliti | Tinggi titik kontrol geodesi | Kilometer | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0.39246 5 | O.H |

| | | | | | | | |
|--|--|--|--------------|---------------------------------|------------------------------------|--------------|-----|
| | | (dengan topografi terjal, lalu lalang kendaraan jarang, cuaca buruk) | terhadap MSL | Staff Administrasi | 2 | 0.39246 5 | O.H |
| | | | | Koordinator Pemutakhiran JKV | 6 | 0.39246 5 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 3.13971 7 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4.31711 1 | U.H |
| | | | | Printer | A4, Berwarna | 1.56985 9 | U.H |
| | | | | Mobil | | 1.56985 9 | U.H |
| | | | | Kamera Digital | Geotagging | 1.56985 9 | U.H |
| | | | | GPS Handheld dan kelengkapannya | | 1.56985 9 | U.H |
| | | | | Waterpass Teliti | Leica DNA 03, Topcon DL 503 | 1.56985 9 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |

| | | | | | | | |
|-----------|--------------|---------------------------|----------|--------------------------------------|--------------------------|---|-----|
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.3.3. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | Koordinator Pemutakhiran JKH | 6 | 0 | O.H |
| | | | | Surveyor Pemutakhiran | 4 | 0 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/ Merk | | |
| | | | | Tiket Transportasi | | 5 | LS |
| | | | | Mobil | | 2 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| | | | | | | | | | |
|---------------------|---|-----------|--|--------------------------|---------|--------------------------------------|------------------------------------|-----------|-----------------------------|
| | | C.10.3.4. | Pelaporan Pemutakhiran Jaringan Kontrol Vertikal | Laporan Pemutakhiran JKV | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | | | | | C.10.4. | Pengolahan Data Jaringan Kontrol | C.10.4.1. | Persiapan Alat dan Personil |
| Ketua Tim Pelaksana | 7 | 1 | O.H | | | | | | |

| | | | | | | | | | |
|--|----------|--|---|----------|--|---|--|--------|-------|
| | Vertikal | | Pengolahan Jaring Kontrol Vertikal | personil | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 1 | O.H |
| | | | | | | Surveyor Pengolahan Data | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Me rk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Software pengolah data | Software komersial | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | | | | | C.10.4. | Pengolahan | Tinggi | Titik |

| | | | | | | | | |
|--|--|----|--|---|---|--|-------|-----|
| | | 2. | Data Pemutakhiran Sipat Datar | orthometris dan dinamis titik tinggi geodesi | Ketua Tim Pelaksana | 7 | 0.033 | O.H |
| | | | | | Staff Administrasi | 2 | 0.033 | O.H |
| | | | | | Koordinator Pemutakhiran JKV | 6 | 0.033 | O.H |
| | | | | | Surveyor Pengolahan Data | 4 | 0.133 | O.H |
| | | | | | a) Jumlah | | | |
| | | | | | Alat | Spesifikasi/Mark | | |
| | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.067 | U.H |
| | | | | | PC Workstation | | 0.167 | U.H |
| | | | | | Software pengolah data | Software komersial | 0.167 | U.H |
| | | | | | b) Jumlah | | | |
| | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | |
| | | | | | c) Jumlah | | | |
| | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| | | | | | | | | | |
|--------|-----------|---------------|---|-----------------------------------|-------------|---|--|---|-----|
| | | C.10.4. 3. | Pelaporan Pengolahan Data Jaring Kontrol Vertikal | Laporan pengolahan data JKV | Dokume n | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran JKV | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Me rk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.10.5 | Pelaporan | C.10.5. 1. | Kompilasi Laporan | Laporan akhir | Dokume n | Personil | Jenjang | | |
| . | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |

| | | | | | | | |
|--|--|--|--|--------------------------------------|------------------------------------|----|-------|
| | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | a) Jumlah | | | |
| | | | | Alat | Spesifikasi/Mark | | |
| | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | b) Jumlah | | | |
| | | | | Bahan | Spesifikasi Bahan | | |
| | | | | Kertas HVS A4 | | 2 | rim |
| | | | | Tinta Printer | | 1 | paket |
| | | | | Penjilidan | | 3 | set |
| | | | | Harddisk Eksternal | | 1 | unit |
| | | | | ATK | | 1 | set |
| | | | | c) Jumlah | | | |
| | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



Analisis Biaya Keluaran Kegiatan
s. Pengukuran Jaringan Kontrol Geodesi Nasional

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pengukuran Jaring Kontrol Geodesi Nasional dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pekerjaan Pengukuran Jaring Kontrol Geodesi Nasional:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Rendah : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelereng 0% - 15%

Berbukit : Bentuk topografi dengan kelereng >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam
 Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)
 Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km
 Sedang : Jika jarak antar titik 1 – 3 km
 Jauh : Jika jarak antar titik >1 km
 *Jarak antar titik yang dimaksud yaitu titik Geodesi Nasional terestris

Tabel berikut menunjukkan besaran koefisien pada Pekerjaan Pengukuran Jaring Kontrol Geodesi Nasional:

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | | |
|--|----------------|-------------------------|---|--------------------------|----------|---|---|----------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | |
| C.11.1. | Persiapan Umum | C.11.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 2 | O.H | |
| | | | | | | a) Jumlah | | | | |
| Alat | | Spesifikasi/Merk | | | | | | | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|-----------------------------|------------------------------------|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--------------------------|-------------------|---------|--------------------------------------|------------------------------------|--------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | | | PC Workstation | | 0 | U.H |
| | | | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | | | Mobil | | 0 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0 | U.H |
| | | | | | | Multimeter | Fluke | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.1.3. | Pelaporan Persiapan Umum | Laporan persiapan | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|--|-----------|--------------------|------------------------------|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | umum | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 0 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.11.2. | Persiapan Pengukuran Jaring Kontrol Geodesi Nasional | C.11.2.1. | Perizinan Lapangan | Surat izin mengadakan survei | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|--|------|--|------------------------------------|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.11.2. | Persiapan Alat dan Personil Persiapan Pengukuran Jaring Kontrol Geodesi Nasional | | Persiapan Alat dan Personil Persiapan Pengukuran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|-------------|-------------------------|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.2.3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0 | O.H |
| | | | | | | Surveyor | 4 | 0 | O.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|--|----------|---|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Pengukuran | | | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.2.4. | Survei Pendahuluan Jaring Kontrol Geodesi Nasional (dengan cuaca baik) | Deskripsi orientasi lapangan dan kelayakan titik | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,1 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,1 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|--|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,6 | U.H |
| | | | | | | Printer | A4, Berwarna | 0,1 | U.H |
| | | | | | | Mobil | | 0,1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,1 | U.H |
| | | | | | | Akomodasi | | 0,6 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.2.4. | Survei Pendahuluan Jaring Kontrol Geodesi Nasional (dengan cuaca | Deskripsi orientasi lapangan dan kelayakan | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,142857 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,142857 | O.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | buruk) | titik | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,142857 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,428571 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,857143 | U.H |
| | | | | | | Printer | A4, Berwarna | 0,142857 | U.H |
| | | | | | | Mobil | | 0,142857 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,142857 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,142857 | U.H |
| | | | | | | Akomodasi | | 0,857143 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---------------------|---------------------------|----------|---|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.2.5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.2.6. | Pelaporan Persiapan | Laporan persiapan | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|--|-----------|--|--|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | Pengukuran Jaring Kontrol Geodesi Nasional | Pengukuran Jaring Kontrol Geodesi Nasional | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.11.3. | Pengukuran Jaring Kontrol Geodesi Nasional | C.11.3.1. | Persiapan Alat dan Personil Pengukuran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,5 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,5 | O.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|------|-------------|--------|--------|---------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4,5 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 3 | U.H |
| | | | | | | Multimeter | Fluke | 2 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| c) Jumlah | | | | | | | | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | | | | |
|--|---------|--------------------------------------|---|-------------------------|----------|---|-------------------------|--------------|-----|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | |
| | | C.11.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H | | | |
| | | | | | | Staff Administrasi | 2 | 0 | O.H | | | |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0 | O.H | | | |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | |
| | | | | | | Tiket Transportasi | | 6 | LS | | | |
| | | | | | | Mobil | | 2 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | Bahan | Spesifikasi Bahan | | | | | | | | | |
| | | c) Jumlah | | | | | | | | | | |
| | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | C.11.3.3. | Pengukuran Geodesi Nasional (dengan cuaca | Nilai Geodesi Nasional | Titik | Personil | Jenjang | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,1666 67 | O.H | | | |

| C.11. Pengukuran Jaringan Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | baik) | | | Staff Administrasi | 2 | 0,166667 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,166667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter | Fluke | 0,666667 | U.H |
| b) Jumlah | | | | | | | | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|------------------------|--------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.3.3. | Pengukuran Geodesi Nasional (dengan cuaca buruk) | Nilai Geodesi Nasional | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--------------|---------------------------|----------|---|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1,5 | U.H |
| | | | | | | Multimeter | Fluke | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.3.4. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|--|---------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.3.5. | Pelaporan Pengukuran Jaring Kontrol Geodesi Nasional | Laporan Pengukuran Jaring Kontrol Geodesi Nasional | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | | |
|--|---|-----------|--|------------------------------------|----------|---|------------------------------------|-------------------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.11.4. | Pengolahan Data Jaring Kontrol Geodesi Nasional | C.11.4.1. | Persiapan Alat dan Personil Pengolahan Data Hasil Pengukuran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,333333 | O.H | |
| | | | | | | Staff Administrasi | 2 | 0,333333 | O.H | |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,333333 | O.H | |
| | | | | | | Surveyor Pengolahan | 4 | 1 | O.H | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,666667 | U.H | |
| | | | | | | PC Workstation | | 1,333333 | U.H | |
| | | | | | | Printer | A4, Berwarna | 1 | U.H | |
| Software pengolah data Geodesi Nasional | Software Grav Soft | 0 | U.H | | | | | | | |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---|---|--------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.4.2. | Pengolahan Data Hasil Pengukuran Geodesi Nasional | Nilai Geodesi Nasional di titik kontrol geodesi | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,666667 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,666667 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 0,666667 | O.H |
| | | | | | | Surveyor Pengolahan | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,333333 | U.H |
| | | | | | | PC Workstation | | 2,666667 | U.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---|---|---------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Software pengolah data | Software Grav Soft | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.11.4.3. | Pelaporan Pengolahan Data Jaring Kontrol Geodesi Nasional | Laporan pengolahan data jaring kontrol Geodesi Nasional | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pengukuran Geodesi Nasional | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |

| C.11. Pengukuran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|-----------|-----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.11.5. | Pelaporan | C.11.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | Kertas HVS A4 | | 2 | rim |
| | | | | | | Tinta Printer | | 1 | paket |

| C.11. Pengukuran Jaringan Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------------------------------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Penjilidan | | 3 | set |
| | | | | | | Harddisk Eksternal | | 1 | unit |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



Analisis Biaya Keluaran Kegiatan
t. Pengukuran Jaringan Kontrol Geodesi Nasional

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan Pengukuran Jaring Kontrol Geodesi Nasional dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi Pengukuran Jaring Kontrol Geodesi Nasional :

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Rendah : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengn 0% - 15%

Berbukit : Bentuk topografi dengan kelerengn >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam
 Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)
 Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km
 Sedang : Jika jarak antar titik 1 – 3 km
 Jauh : Jika jarak antar titik >1 km
 *Jarak antar titik yang dimaksud yaitu titik Geodesi Nasional terestris

Tabel berikut menunjukkan besaran koefisien pada Pengukuran Jaring Kontrol Geodesi Nasional:

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|----------------|-----------|---|--------------------------|----------|---|---|----------------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| C.12.1. | Persiapan Umum | C.12.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | |
| | | | | | | Staff Administrasi | 2 | 2 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 2 | |
| | | | | | | a) Jumlah | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|-----------------------------|------------------------------------|----------|---|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | |
| | | | | | | PC Workstation | | 2 | |
| | | | | | | Printer | A4, Berwarna | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | |
| | | | | | | Staff Administrasi | 2 | 1 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 1 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | |

| C.12. Pemetakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--------------------------|------------------------|---------|--------------------------------------|--------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | PC Workstation | | 0 | |
| | | | | | | Printer | A4, Berwarna | 0 | |
| | | | | | | Mobil | | 0 | |
| | | | | | | Kamera Digital | Geotagging | 0 | |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0 | |
| | | | | | | Gravimeter | Scientrex CG 5 | 0 | |
| | | | | | | Multimeter | Fluke | 0 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.1.3. | Pelaporan Persiapan Umum | Laporan persiapan umum | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | |
| | | | | | | Staff Administrasi | 2 | 2 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.12. Pemetakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|--|-----------|--------------------|------------------------------|----------|--------------------------------------|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | |
| | | | | | | Printer | A4, Berwarna | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 0 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.12.2. | Persiapan Pemetakhiran Jaring Kontrol Geodesi Nasional | C.12.2.1. | Perizinan Lapangan | Surat izin mengadakan survei | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | |
| | | | | | | Staff Administrasi | 2 | 2 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | |
| | | | | | | Printer | A4, Berwarna | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---|------------------------------------|----------|---|------------------------------------|-------------------------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.2.2. | Persiapan Alat dan Personil Persiapan Pemutakhiran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | |
| | | | | | | Staff Administrasi | 2 | 1 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 1 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 3 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | |
| | | | | | | Printer | A4, Berwarna | 1 | |
| | | | | | | Mobil | | 1 | |
| | | | | | | Kamera Digital | Geotagging | 1 | |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | |
| | | | | | | b) Jumlah | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|-------------|-------------------------|----------|---|--------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.2.3. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | |
| | | | | | | Staff Administrasi | 2 | 0 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 0 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | |
| | | | | | | Mobil | | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|--|----------|---|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.2.4. | Survei Pendahuluan Jaring Kontrol Geodesi Nasional (dengan cuaca baik) | Deskripsi orientasi lapangan dan kelayakan titik | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,1 | |
| | | | | | | Staff Administrasi | 2 | 0,1 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,1 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 0,3 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,6 | |
| | | | | | | Printer | A4, Berwarna | 0,1 | |
| | | | | | | Mobil | | 0,1 | |
| | | | | | | Kamera Digital | Geotagging | 0,1 | |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,1 | |
| | | | | | | Akomodasi | | 0,6 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | |
|--|---------|-----------|---|--|----------|---|------------------------------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien |
| | | | | | | | Bahan | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.12.2.4. | Survei Pendahuluan Jaring Kontrol Geodesi Nasional (dengan cuaca buruk) | Deskripsi orientasi lapangan dan kelayakan titik | Set File | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,142857 |
| | | | | | | Staff Administrasi | 2 | 0,142857 |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,142857 |
| | | | | | | Surveyor Pemutakhiran | 4 | 0,428571 |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,857143 |
| | | | | | | Printer | A4, Berwarna | 0,142857 |
| | | | | | | Mobil | | 0,142857 |
| | | | | | | Kamera Digital | Geotagging | 0,142857 |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,142857 |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--------------|---------------------------|----------|---|--------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Akomodasi | | 0,857143 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.2.5. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | |
| | | | | | | Staff Administrasi | 2 | 0 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 0 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | |
| | | | | | | Mobil | | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | |
|--|---------|-----------|--|--|---------|---|------------------------------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.12.2.6. | Pelaporan Persiapan Pemutakhiran Jaring Kontrol Geodesi Nasional | Laporan persiapan pemutakhiran jaring kontrol Geodesi Nasional | Dokumen | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 |
| | | | | | | Staff Administrasi | 2 | 2 |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 2 |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 |
| | | | | | | Printer | | 2 |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | Spesifikasi Bahan | |
| | | | | | | ATK | | 1 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | | | | |
|--|--|-----------|--|------------------------------------|----------|---|------------------------------------|-------------------------|-----|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | | | | |
| | | | | | | (a+b+c) | | | | | | |
| C.12.3. | Pemutakhiran Jaring Kontrol Geodesi Nasional | C.12.3.1. | Persiapan Alat dan Personil Pemutakhiran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,5 | | | | |
| | | | | | | Staff Administrasi | 2 | 0,5 | | | | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,5 | | | | |
| | | | | | | Surveyor Pemutakhiran | 4 | 3 | | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | | 4,5 | | | |
| | | | | | | Printer | A4, Berwarna | | 1 | | | |
| | | | | | | Mobil | | | 1 | | | |
| | | | | | | Kamera Digital | Geotagging | | 1 | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | | | 1 | | | |
| | | | | | | Gravimeter | Scientrex CG 5 | | 3 | | | |
| | | | | | | Multimeter | Fluke | | 2 | | | |
| b) Jumlah | | | | | | | | | | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|-------------|-------------------------|----------|---|--------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | |
| | | | | | | Staff Administrasi | 2 | 0 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 0 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | |
| | | | | | | Mobil | | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | |
|--|---------|-----------|---|------------------------|--------|---|------------------------------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.12.3.3. | Pemutakhiran Geodesi Nasional (dengan cuaca baik) | Nilai Geodesi Nasional | Titik | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,166667 |
| | | | | | | Staff Administrasi | 2 | 0,166667 |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,166667 |
| | | | | | | Surveyor Pemutakhiran | 4 | 1 |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 |
| | | | | | | Mobil | | 0,333333 |
| | | | | | | Kamera Digital | Geotagging | 0,333333 |
| | | | | | | Akomodasi | | 1,5 |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 |
| | | | | | | Multimeter | Fluke | 0,666667 |
| | | | | | | b) Jumlah | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--|------------------------|--------|---|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.3.3. | Pemutakhiran Geodesi Nasional (dengan cuaca buruk) | Nilai Geodesi Nasional | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | |
| | | | | | | Staff Administrasi | 2 | 0,25 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,25 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 1,5 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | |
| | | | | | | Mobil | | 0,5 | |
| | | | | | | Kamera Digital | Geotagging | 0,5 | |
| | | | | | | Akomodasi | | 2,25 | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|--------------|---------------------------|----------|---|--------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | |
| | | | | | | Gravimeter | Scientrex CG 5 | 1,5 | |
| | | | | | | Multimeter | Fluke | 1 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.3.4. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | |
| | | | | | | Staff Administrasi | 2 | 0 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0 | |
| | | | | | | Surveyor Pemutakhiran | 4 | 0 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | |
| | | | | | | Mobil | | 2 | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | |
|--|---------|-----------|--|--|---------|---|------------------------------------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | Spesifikasi Bahan | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.12.3.5. | Pelaporan Pemutakhiran Jaring Kontrol Geodesi Nasional | Laporan Pemutakhiran jaring kontrol Geodesi Nasional | Dokumen | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 |
| | | | | | | Staff Administrasi | 2 | 2 |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 2 |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 |
| | | | | | | Printer | | 2 |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | Spesifikasi Bahan | |
| | | | | | | ATK | | 1 |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | | |
|--|---|-----------|--|------------------------------------|----------|---|------------------------------------|--------------------------|----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.12.4. | Pengolahan Data Jaring Kontrol Geodesi Nasional | C.12.4.1. | Persiapan Alat dan Personil Pengolahan Data Hasil Pemutakhiran Jaring Kontrol Geodesi Nasional | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,333333 | | |
| | | | | | | Staff Administrasi | 2 | 0,333333 | | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,333333 | | |
| | | | | | | Surveyor Pengolahan | 4 | 1 | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,666667 | | |
| | | | | | | PC Workstation | | 1,333333 | | |
| | | | | | | Printer | A4, Berwarna | 1 | | |
| | | | | | | Software pengolah data Geodesi Nasional | Software Grav Soft | 0 | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---|---|--------|---|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.4.2. | Pengolahan Data Hasil Pemutakhiran Geodesi Nasional | Nilai Geodesi Nasional di titik kontrol geodesi | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,666667 | |
| | | | | | | Staff Administrasi | 2 | 0,666667 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 0,666667 | |
| | | | | | | Surveyor Pengolahan | 4 | 2 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,333333 | |
| | | | | | | PC Workstation | | 2,666667 | |
| | | | | | | Software pengolah data | Software Grav Soft | 0 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | |
|--|---------|-----------|---|---|---------|---|------------------------------------|-----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Sa |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.12.4.3. | Pelaporan Pengolahan Data Jaring Kontrol Geodesi Nasional | Laporan pengolahan data jaring kontrol Geodesi Nasional | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | |
| | | | | | | Staff Administrasi | 2 | 2 | |
| | | | | | | Koordinator Pemutakhiran Geodesi Nasional | 6 | 2 | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | |
| | | | | | | PC Workstation | | 2 | |
| | | | | | | Printer | A4, Berwarna | 2 | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | |
| | | | | | | c) Jumlah | | | |

| C.12. Pemutakhiran Jaring Kontrol Geodesi Nasional | | | | | | | | | | |
|--|-----------|-----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|--------------------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | |
| C.12.5. | Pelaporan | C.12.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | | |
| | | | | | | Staff Administrasi | 2 | 5 | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | | |
| | | | | | | Printer | A4, Berwarna | 5 | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | |
| | | | | | | Kertas HVS A4 | | 2 | | |
| | | | | | | Tinta Printer | | 1 | | |
| | | | | | | Penjilidan | | 3 | | |
| | | | | | | Harddisk Eksternal | | 1 | | |
| | | | | | | ATK | | 1 | | |
| | | | | | | c) Jumlah | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |





Analisis Biaya Keluaran Kegiatan
u. Pemutakhiran Stasiun Gayaberat Kontinu

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan Pemutakhiran Stasiun Gayaberat Kontinu dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi Pemutakhiran Stasiun Gayaberat Kontinu:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Rendah : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelereng 0% - 15%

Berbukit : Bentuk topografi dengan kelereng >15%

4. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam
 Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)
 Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km
 Sedang : Jika jarak antar titik 1 – 3 km
 Jauh : Jika jarak antar titik >1 km
 *Jarak antar titik yang dimaksud yaitu titik Gayabarat terestris

Tabel berikut menunjukkan besaran koefisien pada Pemutakhiran Stasiun Gayabarat Kontinu:

| C.13. Pemutakhiran Stasiun Gayabarat Kontinu | | | | | | | | | | |
|--|-----------|-------------------------|---|--------------------------|----------|--|---|----------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | |
| C.13.1. | Persiapan | C.13.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayabarat Kontinu | 6 | 2 | O.H | |
| | | | | | | a) Jumlah | | | | |
| Alat | | Spesifikasi/Merk | | | | | | | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|-----------------------------|------------------------------------|----------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat Kontinu | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|--------------------------|------------------------|---------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | | | PC Workstation | | 0 | U.H |
| | | | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0 | U.H |
| | | | | | | Toolkit | | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.1.3. | Pelaporan Persiapan Umum | Laporan persiapan umum | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Mer | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|--|-----------|-------------|---|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | k | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.13.2. | Persiapan Pemutakhiran Stasiun Gayaberat Kontinu | C.13.2.1. | Perizinan | Surat izin mengadakan kegiatan pemutakhiran stasiun Gayaberat kontinu | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |
| | | | | | | Laptop | Minimal setara | 4 | U.H |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|---|------------------------------------|----------|---|---------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | Core i5, Ram ≥ 4 GB | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.2.2. | Persiapan Alat dan Personil Persiapan Pemutakhiran Stasiun Gayaberat Kontinu | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran Stasiun Gayaberat Kontinu | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/ Merk | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|---|---|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | PC Workstation | | 1 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.2.3. | Pengecekan Fisik dan Alat Stasiun Gayaberat Kontinu | Log sheet pengecekan fisik dan alat stasiun Gayaberat kontinu | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran Stasiun Gayaberat Kontinu | 4 | 2 | O.H |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|--|--|---------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.2.4. | Pelaporan Persiapan Pemutakhiran Stasiun Gayaberat Kontinu | Laporan persiapan pemutakhiran stasiun Gayaberat kontinu | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifik | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|--|-----------|--|------------------------------------|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | asi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.13.3. | Pemutakhiran Stasiun Gayaberat Kontinu | C.13.3.1. | Persiapan Alat dan Personil Pemutakhiran Stasiun Gayaberat Kontinu | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran Stasiun Gayaberat Kontinu | 4 | 2 | O.H |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|-------------------------|------------------------|---------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | PC Workstation | | 1 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Toolkit | | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.13.3.2. | Perbaiki Fisik dan Alat | Fisik dan alat stasiun | Stasiun | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|------|---------------------------|----------------------|--------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | Stasiun Gayaberat Kontinu | Gayaberat diperbaiki | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran Stasiun Gayaberat Kontinu | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Toolkit | | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | Bahan Pemutakhiran Stasiun Gayaberat Kontinu | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|---|---------------------------------|----------|---|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | C.13.3.3. | Uji Coba Alat Stasiun Gayaberat Kontinu | Dokumen log sheet uji coba alat | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | Surveyor Pemutakhiran Stasiun Gayaberat Kontinu | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Toolkit | | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub | | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | |
|--|---------|-----------|--|--|---------|--|------------------------------------|--------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Tahapan (a+b+c) | | | |
| | | C.13.3.4. | Pelaporan Pemutakhiran Stasiun Gayaberat Kontinu | Laporan pemutakhiran stasiun Gayaberat kontinu | Dokumen | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Pemutakhiran Stasiun Gayaberat | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub | | | |

| C.13. Pemutakhiran Stasiun Gayaberat Kontinu | | | | | | | | | | |
|--|-----------|-----------|-------------------|---------------|---------|---------------------|---|------------------------------------|--------|-------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | |
| | | | | | | Tahapan (a+b+c) | | | | |
| C.13.4. | Pelaporan | C.13.4.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | | Spesifikasi Bahan | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H | |
| | | | | | | Staff Administrasi | 2 | 5 | O.H | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | Spesifikasi Bahan | | |
| | | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | |
| | | | | | | Kertas HVS A4 | | | 2 | rim |
| | | | | | | Tinta Printer | | | 1 | paket |
| | | | | | | Penjilidan | | | 3 | set |
| Harddisk Eksternal | | | 1 | unit | | | | | | |

| C.13. Pemutakhiran Stasiun Gayabarat Kontinu | | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------------------------------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



**Analisis Biaya Keluaran Kegiatan
v. Survei Gayaberat Terestris**

BADAN INFORMASI
GEOSPASIAL

Berikut faktor produktivitas yang mempengaruhi Survei Gayaberat Terestris:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Rendah : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengan 0% - 15%

Berbukit : Bentuk topografi dengan kelerengan >15%

4. Tingkat *Traffic* Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

Dekat : Jika jarak antar titik <1 km

Sedang : Jika jarak antar titik 1 – 3 km

Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik Gayaberat terestris

Tabel berikut menunjukkan besaran koefisien pada Survei Gayaberat Terestris:

| C.14. Survei Gayaberat terestris | | | | | | | | | | | | | |
|----------------------------------|----------------|-----------|---|--------------------------|----------|--|------------------------------------|-------------------------|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | |
| C.14.1. | Persiapan Umum | C.14.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | | Jenjang | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|-----------------------------|------------------------------------|----------|--|------------------------------------|-------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | | | PC Workstation | | 0 | U.H |
| | | | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | | | Mobil | | 0 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--------------------------|------------------------|---------|--------------------------------------|------------------------------------|-------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Gravimeter | Scientrex CG 5 | 0 | U.H |
| | | | | | | Multimeter | Fluke | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.1.3. | Pelaporan Persiapan Umum | Laporan persiapan umum | Dokumen | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | | | | | | | | |
|----------------------------------|--------------------------------------|-----------|--------------------|------------------------------|----------|--------------------------------------|------------------------------------|-------------------------|--|---------------------------|----------|---------------------|---|----------------|-----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |
| C.14.2. | Persiapan Survei Gayaberat Terestris | C.14.2.1. | Perizinan Lapangan | Surat izin mengadakan survei | Set File | Personil | | Jenjang | | | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | | | | | | | C.14.2.2. | Persiapan Alat dan Personil Persiapan Survei | Dokumen kesiapan alat dan | Set File | Personil | | Jenjang | | |
| | | | | | | | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H | |
| | | | | | | Staff Administrasi | 2 | 1 | O.H | | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|------------|------|---------------------|-------------------------|----------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | Gayaberat Terestris | personil | | Koordinator Survei Gayaberat Terestris | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.14.2.3. | Mobilisasi | | | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|--|----------|--|-------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.2.4. | Survei Pendahuluan Jaring Kontrol Gayaberat (dengan cuaca baik) | Deskripsi orientasi lapangan dan kelayakan titik | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,05 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,05 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,05 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|--|----------|--|------------------------------------|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,45 | U.H |
| | | | | | | Printer | A4, Berwarna | 0,1 | U.H |
| | | | | | | Mobil | | 0,1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,1 | U.H |
| | | | | | | Akomodasi | | 0,45 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 0 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.2.4. | Survei Pendahuluan Jaring Kontrol Gayaberat (dengan cuaca buruk) | Deskripsi orientasi lapangan dan kelayakan titik | Set File | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,071429 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,071429 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,071429 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|--------------------------------------|--------------|------|-------------|--------------|--------|---------------------------------|------------------------------------|--------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | Surveyor Pengukuran | 4 | 0,42857 1 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,64285 7 | U.H |
| | | | | | | Printer | A4, Berwarna | 0,14285 7 | U.H |
| | | | | | | Mobil | | 0,14285 7 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,14285 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,14285 7 | U.H |
| | | | | | | Akomodasi | | 0,64285 7 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 0 | set |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| C.14.2.5. | Demobilisasi | | | Berita acara | Set | Personil | Jenjang | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|--|---------|--|-------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | demobilisasi | File | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.2.6. | Pelaporan Persiapan Survei Gayaberat Terestris | Laporan persiapan Survei Gayaberat Terestris | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|----------------------------|-----------|--|------------------------------------|----------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.14.3. | Survei Gayaberat Terestris | C.14.3.1. | Persiapan Alat dan Personil Survei Gayaberat Terestris | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|-------------|-------------------------|----------|--|-------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 2 | U.H |
| | | | | | | Multimeter | Fluke | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan aksesibilitas rendah, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,083333 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,083333 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,083333 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,75 | U.H |
| | | | | | | Mobil | | 0,16666 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|--------------------------------------|---------|-----------|--|-----------------|--------|--|----------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | | 7 | |
| | | | | | | Kamera Digital | Geotagging | 0,166667 | U.H |
| | | | | | | Akomodasi | | 0,75 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,166667 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,333333 | U.H |
| | | | | | | Multimeter | Fluke | 0,166667 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| c) Jumlah | | | | | | | | | |
| d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan aksesibilitas rendah, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,125 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,125 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,125 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,75 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | Spesifika | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--------------------------------------|------------------------------------|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | si/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,125 | U.H |
| | | | | | | Mobil | | 0,25 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,25 | U.H |
| | | | | | | Akomodasi | | 1,125 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,25 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,5 | U.H |
| | | | | | | Multimeter | Fluke | 0,25 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,16666 7 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,16666 7 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|------|-----------------------------------|--------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | aksesibilitas rendah, jarak jauh) | | | Koordinator Survei Gayaberat Terestris | 6 | 0,166667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,666667 | U.H |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan aksesibilitas sedang, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,1 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,1 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,6 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,9 | U.H |
| | | | | | | Mobil | | 0,2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,2 | U.H |
| | | | | | | Akomodasi | | 0,9 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,2 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,4 | U.H |
| | | | | | | Multimeter | Fluke | 0,2 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan aksesibilitas sedang, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,166667 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,166667 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,166667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|-------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,666667 | U.H |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi landai, kesulitan aksesibilitas sedang, jarak jauh) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,166667 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,166667 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,166667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,666667 | U.H |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,125 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,125 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|------|--|--------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | topografi terjal, kesulitan aksesibilitas rendah, jarak dekat) | | | Koordinator Survei Gayaberat Terestris | 6 | 0,125 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,75 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,125 | U.H |
| | | | | | | Mobil | | 0,25 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,25 | U.H |
| | | | | | | Akomodasi | | 1,125 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,25 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,5 | U.H |
| | | | | | | Multimeter | Fluke | 0,25 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi terjal, kesulitan aksesibilitas rendah, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,166667 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,166667 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,166667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex | 0,666666 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | CG 5 | 7 | |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi terjal, kesulitan aksesibilitas rendah, jarak jauh) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotaggi | 0,5 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|-------------------------|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | ng | | |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi terjal, kesulitan aksesibilitas sedang, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,16666 7 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,16666 7 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,16666 7 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,5 | U.H |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,666667 | U.H |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|------|---|--------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | topografi terjal, kesulitan aksesibilitas sedang, jarak sedang) | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| c) Jumlah | | | | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca baik, topografi terjal, kesulitan aksesibilitas sedang, jarak jauh) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,5 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,5 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4,5 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Akomodasi | | 4,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 2 | U.H |
| | | | | | | Multimeter | Fluke | 1 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|--------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi landai, kesulitan aksesibilitas rendah, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,2 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,2 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,2 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0,6 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,2 | U.H |
| | | | | | | Mobil | | 0,2 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,2 | U.H |
| | | | | | | Akomodasi | | 1,2 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|-------------------------|--------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | GPS Handheld dan Kelengkapannya | 0,2 | U.H | |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,4 | U.H |
| | | | | | | Multimeter | Fluke | 0,2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi landai, kesulitan aksesibilitas rendah, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,16666 7 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,16666 7 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,16666 7 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, | 1,5 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|----------------|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | Ram ≥ 4 GB | | |
| | | | | | | Mobil | | 0,33333 3 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,33333 3 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,33333 3 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,66666 7 | U.H |
| | | | | | | Multimeter | Fluke | 0,33333 3 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi landai, kesulitan aksesibilitas) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---------------------|--------|--------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | rendah, jarak jauh) | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat | Nilai | Titik | Personil | Jenjang | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi landai, kesulitan aksesibilitas sedang, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi landai, kesulitan aksesibilitas sedang, jarak jauh) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|-------------------------|------------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Handheld dan Kelengkapannya | 0,5 | U.H |
| | | | | | | Gravimeter Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi terjal, kesulitan aksesibilitas rendah, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,16666 7 O.H |
| | | | | | | Staff Administrasi | 2 | 0,16666 7 O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,16666 7 O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, | 1,5 U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|----------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | Ram ≥ 4 GB | | |
| | | | | | | Mobil | | 0,333333 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,333333 | U.H |
| | | | | | | Akomodasi | | 1,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,333333 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 0,666667 | U.H |
| | | | | | | Multimeter | Fluke | 0,333333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi terjal, kesulitan aksesibilitas) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|-----------------------|--------|--------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | rendah, jarak sedang) | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat | Nilai | Titik | Personil | Jenjang | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi terjal, kesulitan aksesibilitas sedang, jarak dekat) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,25 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,25 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,25 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1,5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 2,25 | U.H |
| | | | | | | Mobil | | 0,5 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0,5 | U.H |
| | | | | | | Akomodasi | | 2,25 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 0,5 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 1 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Multimeter | Fluke | 0,5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi terjal, kesulitan aksesibilitas sedang, jarak sedang) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,5 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,5 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4,5 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Akomodasi | | 4,5 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|---|-----------------|--------|--|------------------------------------|--------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1 | U.H | |
| | | | | | | Gravimeter | Scientrex CG 5 | 2 | U.H |
| | | | | | | Multimeter | Fluke | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.3. | Survei Gayaberat Terestris (dengan cuaca buruk, topografi terjal, kesulitan aksesibilitas sedang, jarak jauh) | Nilai Gayaberat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,5 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,5 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,5 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4,5 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--------------|---------------------------|----------|--|-------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Akomodasi | | 4,5 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | | 1 | U.H |
| | | | | | | Gravimeter | Scientrex CG 5 | 2 | U.H |
| | | | | | | Multimeter | Fluke | 1 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.4. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--------------------------------------|------------------------------------|---------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.3.5. | Pelaporan Survei Gayaberat Terestris | Laporan Survei Gayaberat Terestris | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Printer | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|--|-----------|--|------------------------------------|----------|--|------------------------------------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.14.4. | Pengolahan Data Jaring Kontrol Gayaberat | C.14.4.1. | Persiapan Alat dan Personil Pengolahan Data Hasil Survei Gayaberat Terestris | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,333333 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,333333 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,333333 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0,666667 | U.H |
| | | | | | | PC Workstation | | 1,333333 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| Software pengolah data Gayaberat | Software Grav Soft | 0 | U.H | | | | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|--|--------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 0 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.4.2. | Pengolahan Data Hasil Survei Gayaberat Terestris | Nilai Gayaberat di titik kontrol geodesi | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0,666667 | O.H |
| | | | | | | Staff Administrasi | 2 | 0,666667 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 0,666667 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 1,333333 | U.H |
| | | | | | | PC Workstation | | 2,666667 | U.H |
| | | | | | | Kamera Digital | Geotagging | 2 | U.H |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|---------|-----------|--|--|---------|--|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Software pengolah data | Software Grav Soft | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.14.4.3. | Pelaporan Pengolahan Data Jaring Kontrol Gayaberat | Laporan pengolahan data jaring kontrol Gayaberat | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | Koordinator Survei Gayaberat Terestris | 6 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | PC Workstation | | 2 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |

| C.14. Survei Gayaberat terestris | | | | | | | | | |
|----------------------------------|-----------|-----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|-------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Bahan | | | |
| | | | | | | ATK | | 0 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.14.5. | Pelaporan | C.14.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Kertas HVS A4 | | 2 | rim |
| | | | | | | Tinta Printer | | 1 | paket |
| | | | | | | Penjilidan | | 3 | set |
| | | | | | | Harddisk Eksternal | | 1 | unit |
| | | | | | | ATK | | 1 | set |

| C.14. Survei Gayaberat terestris | | | | | | | | |
|----------------------------------|---------|------|-------------|--------|--------|--------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |



**Analisis Biaya Keluaran Kegiatan
w. Survei Airborne Gravity**

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Berikut faktor produktivitas yang mempengaruhi Survei Airborne Gravity:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Rendah : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

3. Topografi

Landai : Bentuk topografi dengan kelerengn 0% - 15%

Berbukit : Bentuk topografi dengan kelerengn >15%

4. Tingkat *Traffic* Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

5. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

6. Lalu Lalang Kendaraan

Padat : Jika VC ratio >0,7 (11 kota macet di Indonesia)

Jarang : Jika VC ratio <0,7 (di luar 11 kota macet di Indonesia)

7. Jarak Antar Titik

- Dekat : Jika jarak antar titik <1 km
 Sedang : Jika jarak antar titik 1 – 3 km
 Jauh : Jika jarak antar titik >1 km

*Jarak antar titik yang dimaksud yaitu titik gaya berat terestris

Tabel berikut menunjukkan besaran koefisien pada Survei Airborne Gravity:

| C.15. Survei Airborne Gravity | | | | | | | | | | | | | |
|-------------------------------|----------------|-----------|---|--------------------------|----------|-------------------------------------|------------------------------------|-----------|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | |
| C.15.1. | Persiapan Umum | C.15.1.1. | Pembuatan Rencana Detil Pelaksanaan Pekerjaan | Dokumen KAK (per proyek) | Set File | Personil | Jenjang | | | | | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 2 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H | | | | |
| | | | | | | PC Workstation | | 2 | U.H | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|-----------------------------|------------------------------------|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.1.2. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 1 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0 | U.H |
| | | | | | | PC Workstation | | 0 | U.H |
| | | | | | | Printer | A4, Berwarna | 0 | U.H |
| | | | | | | Mobil | | 0 | U.H |
| | | | | | | Kamera Digital | Geotagging | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Handheld dan Kelengkapannya | 0 | U.H |
| | | | | | | Pesawat Udara Cessna Grand C208B | 0 | U.H |
| | | | | | | Gravimeter Relatif Gravimeter relatif | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Gravimeter Absolut | Gravimeter absolut | 0 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0 | U.H |
| | | | | | | GPS Geodetik | - Javad Lexton-GGD 160T, - Leica | 0 | U.H |
| | | | | | | Antena GPS | Novatel GPS-701-GGL & GPS-702-GGL; AeroAnte | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|--------------------------|------|-------------|------------------------|---------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | nna AT2775- 41 | | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 0 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | | | | | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| C.15.1.3. | Pelaporan Persiapan Umum | | | Laporan persiapan umum | Dokumen | | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|-----------------------------------|-----------|--------------------|--|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.15.2. | Persiapan Survei Airborne Gravity | C.15.2.1. | Perizinan Lapangan | Surat izin mengadakan survei lapangan dan izin terbang | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |
| | | | | | | Staff Administrasi | 2 | 2 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 | U.H |
| | | | | | | Printer | A4, Berwarna | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |

| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|-----------|--|------------------------------------|----------|--------------------------------------|------------------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.15.2.2. | Persiapan Alat dan Personil Persiapan Survei Airborne Gravity | Dokumen kesiapan alat dan personil | Set File | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 O.H |
| | | | | | | Staff Administrasi | 2 | 1 O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 1 O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 U.H |
| | | | | | | Printer | A4, Berwarna | 1 U.H |
| | | | | | | Mobil | | 1 U.H |
| | | | | | | Kamera Digital | Geotagging | 1 U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Gravimeter Absolut | Gravimeter absolut | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---------------------------------|-------------------------------|----------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.2.3. | Pembuatan Rencana Jalur Terbang | Dokumen rencana jalur terbang | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 12 | U.H |
| | | | | | | Printer | A4, Berwarna | 4 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|-------------|-------------------------|----------|--------------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.2.4. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | U.H |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.2. | Survei | Nilai gaya | Titik | Personil | Jenjang | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|------------------------------|-----------------------------|--------|-------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | 5. | Pendahuluan Airborne Gravity | berat absolut di titik ikat | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--------------|---------------------------|----------|--------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Gravimeter Absolut | Gravimeter absolut | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Jumlah Alat dan Bahan (b+c) | | | |
| | | C.15.2.6. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---------------------------------|--|----------|--------------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 6 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.2.7. | Instalasi Gravimeter di Pesawat | Gravimeter terinstall di pesawat udara | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| | | | | | | Staff Administrasi | 2 | 1 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 3 | O.H |
| | | | | | | a) Jumlah | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | Geotagging | 1 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|---------|-------------|---------|--------|--------------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0 | U.H |
| | | | | | | Biaya Instalasi | | 1 | LS |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.1. | Pelaporan | Laporan | Dokume | Personil | Jenjang | | |

| C.15. Survei Airborne Gravity | | | | | | | | | | | | | | | |
|-------------------------------|---------|------|-----------------------------------|----------------------------|--------|--------------------------------------|-------------------------|------------------------------------|-----------------------------|---------------------------|----------|---------------------|---|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | | | |
| | | 1. | Persiapan Survey Airborne Gravity | persiapan airborne gravity | n | Ketua Tim Pelaksana | 7 | 2 | O.H | | | | | | |
| | | | | | | Staff Administrasi | 2 | 2 | O.H | | | | | | |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 2 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | | | |
| | | | | | | Laptop | | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | | | |
| | | | | | | Printer | | A4, Berwarna | 2 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | | | | | | |
| | | | | | | ATK | | | 1 | set | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | | | | C.15.3. | Survei Airborne Gravity | C.15.3.1. | Persiapan Alat dan Personil | Dokumen kesiapan alat dan | Set File | Personil | | Jenjang | |
| | | | | | | | | | | | | Ketua Tim Pelaksana | 7 | 1 | O.H |
| Staff Administrasi | 2 | 1 | O.H | | | | | | | | | | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------------------|----------|--------|-------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | Survey Airborne Gravity | personil | | Koordinator Survei Airborne Gravity | 6 | 1 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 6 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 9 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Mobil | | 1 | U.H |
| | | | | | | Kamera Digital | | 1 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 1 | U.H |
| | | | | | | Gravimeter Relatif | Scientrex CG 5 | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|-------------|-------------------------|----------|--------------------------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | GPS Geodetik | - Javad Lexton-GGD 160T, - Leica | 0 | U.H |
| | | | | | | Antena GPS | Novatel GPS-701-GGL & GPS-702-GGL; AeroAntenna AT2775-41 | 0 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.2. | Mobilisasi | Berita acara mobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0 | O.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--------------------|---------------------------|--------|--------------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 9 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.3. | Ferry Flight Pergi | Pesawat Siap di Fieldbase | | Personil | Jenjang | | |
| | | | | | | Ketua Tim | 7 | 0.000000 | O.H. |
| | | | | | | Staf Administrasi | 2 | 0.000000 | O.H. |
| | | | | | | SO | - | 1.000000 | LS |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi | | |
| | | | | | | Pesawat Udara | | 1.000 | U.J. |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|----------------------------------|---|--------|--------------------------------------|-------------------------|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | | 000 | |
| | | | | | | Administrasi SC | | 1.000 000 | LS |
| | | | | | | Administrasi SO | | 1.000 000 | LS |
| | | | | | | Mobil | | 2.000 000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.4. | Pengukuran Gaya Berat Titik Ikat | Nilai gaya berat relatif di apron atau parkiran pesawat | Titik | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.05 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.05 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.05 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.3 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.45 | U.H |
| | | | | | | Mobil | | 0.05 | U.H |
| | | | | | | Kamera Digital | | 0.05 | U.H |
| | | | | | | Basecamp | | 0.05 | U.H |
| | | | | | | Gravimeter Relatif | Scientrex CG 5 | | U.H |
| | | | | | | GPS Geodetik | - Javad Lexton-GGD 160T, - Leica | | U.H |
| | | | | | | Antena GPS | Novatel GPS-701-GGL & GPS-702-GGL; AeroAntenna AT2775-41 | | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifika | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|-------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | si Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 | O.H |
| | | | | | | SO | - | 0.00080167 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, | 0.00721501 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | Ram ≥ 4 GB | | |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|------------------------------------|-------------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 O.H |
| | | | | | | SO | - | 0.00080167 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00721501 U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|-------------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 O.H |
| | | | | | | SO | - | 0.00080167 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00721501 U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00080167 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 | O.H |
| | | | | | | SO | - | 0.00080167 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00721501 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00080167 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 | O.H |
| | | | | | | SO | - | 0.00080167 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00721501 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00080167 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|------------------------------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00080167 O.H |
| | | | | | | Staff Administrasi | 2 | 0.00080167 O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00080167 O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00481 O.H |
| | | | | | | SO | - | 0.00080167 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00721501 U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.00080167 | U.H |
| | | | | | | Kamera Digital | | 0.00080167 | U.H |
| | | | | | | Basecamp | | 0.00080167 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.0036075 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00080167 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.000962 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.000962 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.000962 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00577201 | O.H |
| | | | | | | SO | - | 0.000962 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00865801 | U.H |
| | | | | | | Mobil | | 0.000962 | U.H |
| | | | | | | Kamera Digital | | 0.000 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|-------------|--|---|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | | Koefisien | Satuan |
| | | | | | | | | | 962 | |
| | | | | | | | | Basecamp | 0.000 962 | U.H |
| | | | | | | | | Pesawat Udara Cessna Grand C208B | 0.004 329 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.000962 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|-----------------|--|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | GPS Geodetik | - Javad Lexton- GGD 160T, - Leica | 0.001 924 | U.H |
| | | | | | | Antena GPS | Novatel GPS-701- GGL & GPS-702- GGL; AeroAnte nna AT2775- 41 | 0.000 962 | U.H |
| | | | | | | Landing Fee | | 0.000 962 | U.H |
| | | | | | | Ground Handling | | 0.000 962 | U.H |
| | | | | | | RON Fee | | 0.000 962 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.000962 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.000962 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.000962 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00577201 | O.H |
| | | | | | | SO | - | 0.000962 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00865801 | U.H |
| | | | | | | Mobil | | 0.000962 | U.H |
| | | | | | | Kamera Digital | | 0.000962 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|---------------|--|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | | Koefisien | Satuan |
| | | | | | | Basecamp | | | 0.000962 | U.H |
| | | | | | | Pesawat Udara | | Cessna Grand C208B | 0.004329 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.000962 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|-----------------|--|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | GPS Geodetik | - Javad Lexton- GGD 160T, - Leica | 0.001 924 | U.H |
| | | | | | | Antena GPS | Novatel GPS-701- GGL & GPS-702- GGL; AeroAnte nna AT2775- 41 | 0.000 962 | U.H |
| | | | | | | Landing Fee | | 0.000 962 | U.H |
| | | | | | | Ground Handling | | 0.000 962 | U.H |
| | | | | | | RON Fee | | 0.000 962 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca baik, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.000962 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.000962 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.000962 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00577201 | O.H |
| | | | | | | SO | - | 0.000962 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.00865801 | U.H |
| | | | | | | Mobil | | 0.000962 | U.H |
| | | | | | | Kamera Digital | | 0.000962 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|---------------|--|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | | Koefisien | Satuan |
| | | | | | | Basecamp | | | 0.000962 | U.H |
| | | | | | | Pesawat Udara | | Cessna Grand C208B | 0.004329 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.000962 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|-----------------|--|--------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | GPS Geodetik | - Javad Lexton- GGD 160T, - Leica | 0.001 924 | U.H |
| | | | | | | Antena GPS | Novatel GPS-701- GGL & GPS-702- GGL; AeroAnte nna AT2775- 41 | 0.000 962 | U.H |
| | | | | | | Landing Fee | | 0.000 962 | U.H |
| | | | | | | Ground Handling | | 0.000 962 | U.H |
| | | | | | | RON Fee | | 0.000 962 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.0014524 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.0014524 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.0014524 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00687144 | O.H |
| | | | | | | SO | - | 0.0014524 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.01030715 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|---------------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.001 1452 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.001 1452 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.001 1452 4 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.006 8714 4 | O.H |
| | | | | | | SO | - | 0.001 1452 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.010 3071 5 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|---------------------------------|--------------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI cepat, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.001 1452 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.001 1452 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.001 1452 4 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.006 8714 4 | O.H |
| | | | | | | SO | - | 0.001 1452 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.010 3071 5 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|---------------------------------|--------------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.001 1452 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.001 1452 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.001 1452 4 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.006 8714 4 | O.H |
| | | | | | | SO | - | 0.001 1452 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.010 3071 5 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|---------------------------------|--------------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.001 1452 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.001 1452 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.001 1452 4 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.006 8714 4 | O.H |
| | | | | | | SO | - | 0.001 1452 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.010 3071 5 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|---------------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI sedang, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.001 1452 4 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.001 1452 4 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.001 1452 4 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.006 8714 4 | O.H |
| | | | | | | SO | - | 0.001 1452 4 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.010 3071 5 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------------|--------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.001 1452 4 | U.H |
| | | | | | | Kamera Digital | | 0.001 1452 4 | U.H |
| | | | | | | Basecamp | | 0.001 1452 4 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.005 1535 8 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.0014524 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|---------------------------------|------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara rendah) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00137429 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00137429 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00137429 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00824572 | O.H |
| | | | | | | SO | - | 0.00137429 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.01236858 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.00137429 | U.H |
| | | | | | | Kamera Digital | | 0.00137429 | U.H |
| | | | | | | Basecamp | | 0.00137429 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.00618429 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00137429 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|-----------|--------------------------------------|---------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara sedang) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00137429 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00137429 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00137429 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00824572 | O.H |
| | | | | | | SO | - | 0.00137429 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.01236858 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.00137429 | U.H |
| | | | | | | Kamera Digital | | 0.00137429 | U.H |
| | | | | | | Basecamp | | 0.00137429 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.00618429 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00137429 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|--|--|-----------|--------------------------------------|---------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.5. | Survei Airborne Gravity (dengan cuaca buruk, waktu tempuh fieldbase - AOI lama, tingkat traffic bandara padat) | Anomali gaya berat di sepanjang jalur airborne | Kilometer | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0.00137429 | O.H |
| | | | | | | Staff Administrasi | 2 | 0.00137429 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.00137429 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0.00824572 | O.H |
| | | | | | | SO | - | 0.00137429 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 | 0.01236858 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|----------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | GB | | |
| | | | | | | Mobil | | 0.00137429 | U.H |
| | | | | | | Kamera Digital | | 0.00137429 | U.H |
| | | | | | | Basecamp | | 0.00137429 | U.H |
| | | | | | | Pesawat Udara | Cessna Grand C208B | 0.00618429 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------|--------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Air/Sea Gravimeter | Air/sea gravimeter | 0.00137429 | U.H |

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| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|------------------|---------------------------|----------|--------------------------------------|--------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.7. | Demobilisasi | Berita acara demobilisasi | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 0 | O.H |
| | | | | | | Staff Administrasi | 2 | 0 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0 | O.H |
| | | | | | | Surveyor Pengukuran | 4 | 0 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Tiket Transportasi | | 9 | LS |
| | | | | | | Mobil | | 2 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.3.8. | Pelaporan Survey | Laporan survey | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 | O.H |

| C.15. Survei Airborne Gravity | | | | | | | | | | | | | | | |
|-------------------------------|---------|------|------------------|------------------|--------|--------------------------------------|---|--------------------------|--|------------------------------------|----------|---------------------|---|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan | | | | | | |
| | | | Airborne Gravity | airborne gravity | | Staff Administrasi | 2 | 2 | O.H | | | | | | |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 2 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | |
| | | | | | | Alat | | Spesifikasi/Merk | | | | | | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 6 | U.H | | | | | | |
| | | | | | | Printer | A4, Berwarna | 2 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | | Spesifikasi Bahan | | | | | | | |
| | | | | | | ATK | | 1 | set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | | | | C.15.4. | Pengolahan Data Survei Airborne Gravity | C.15.4.1. | Persiapan Alat dan Personil Pengolahan Data Survei | Dokumen kesiapan alat dan personil | Set File | Personil | | Jenjang | |
| | | | | | | | | | | | | Ketua Tim Pelaksana | 7 | 0.16666667 | O.H |
| | | | | | | | | | | | | Staff Administrasi | 2 | 0.166 | O.H |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|------------------|--------|--------|-------------------------------------|------------------------------------|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | Airborne Gravity | | | | | 66667 | |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 0.16666667 | O.H |
| | | | | | | Surveyor Pengolahan | 4 | 1 | O.H |
| a) Jumlah | | | | | | | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 0.33333333 | U.H |
| | | | | | | PC Workstation | | 1.16666667 | U.H |
| | | | | | | Printer | A4, Berwarna | 1 | U.H |
| | | | | | | Software pengolah data | Software Grav Soft | 0 | U.H |
| b) Jumlah | | | | | | | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | ATK | | | set |
| c) Jumlah | | | | | | | | | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|-----------|---|--|----------|--------------------------------------|------------------------------------|--------------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| | | C.15.4.2. | Pengolahan Data Survei Airborne Gravity | Anomali gaya berat di permukaan bumi dan model geoid pulau | Set File | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 6.666 6666 7 | O.H |
| | | | | | | Staff Administrasi | 2 | 6.666 6666 7 | O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 6.666 6666 7 | O.H |
| | | | | | | Surveyor Pengolahan | 4 | 40 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 13.33 3333 3 | U.H |
| | | | | | | PC Workstation | | 46.66 6666 7 | U.H |
| | | | | | | Software pengolah data | Software Grav Soft | 0 | U.H |

| C.15. Survei Airborne Gravity | | | | | | | | |
|-------------------------------|---------|-----------|---|--|---------|--------------------------------------|------------------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | Spesifikasi Bahan | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | |
| | | C.15.4.3. | Pelaporan Pengolahan Data Survey Airborne Gravity | Laporan pengolahan data airborne gravity | Dokumen | Personil | Jenjang | |
| | | | | | | Ketua Tim Pelaksana | 7 | 2 O.H |
| | | | | | | Staff Administrasi | 2 | 2 O.H |
| | | | | | | Koordinator Survei Airborne Gravity | 6 | 2 O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | Spesifikasi/Merk | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 4 U.H |
| | | | | | | PC Workstation | | 2 U.H |
| | | | | | | Printer | A4, Berwarna | 2 U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | Spesifikasi | |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|-----------|-----------|-------------------|---------------|---------|--------------------------------------|------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | | si Bahan | | |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |
| C.15.5. | Pelaporan | C.15.5.1. | Kompilasi Laporan | Laporan akhir | Dokumen | Personil | Jenjang | | |
| | | | | | | Ketua Tim Pelaksana | 7 | 5 | O.H |
| | | | | | | Staff Administrasi | 2 | 5 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | Spesifikasi/Merk | | |
| | | | | | | Laptop | Minimal setara Core i5, Ram ≥ 4 GB | 10 | U.H |
| | | | | | | Printer | A4, Berwarna | 5 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | Spesifikasi Bahan | | |
| | | | | | | Kertas HVS A4 | | 2 | rim |
| | | | | | | Tinta Printer | | 1 | paket |
| | | | | | | Penjilidan | | 3 | set |

| C.15. Survei Airborne Gravity | | | | | | | | | |
|-------------------------------|---------|------|-------------|--------|--------|--------------------------------------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | | Koefisien | Satuan |
| | | | | | | Harddisk Eksternal | | 1 | unit |
| | | | | | | ATK | | 1 | set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Sub Tahapan (a+b+c) | | | |



Analisa Biaya Keluaran Kegiatan

x. Survei Hidrografi Kedalaman 0 – 200 meter

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Survei Hidrografi Kedalaman 0 – 200 meter dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Survei Hidrografi Kedalaman 0 – 200 meter:

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktivitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktivitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Survei Hidrografi Kedalaman 0 – 200 meter:

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|------------------|---|--|---|---|--|------------------------|-----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.1 | Persiapan | D.1.1.1 | Pengurusan Administrasi, Surat tugas Pelaksanaan Survey Lapangan, dan Surat Pemberitahuan | Dokument Surat Izin dan Administrasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | staff Administrasi | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | Laptop | 10.000000 00 | U.H |
| | | | | | | Printer | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | ATK | 1.000000 0 | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | D.1.1.2 | Penyusunan Rencana Detail Pelaksanaan Kegiatan | Dokumen Rencana Umum Pelaksanaan Kegiatan | Set File | Personil |
| Ketua Tim | 2.000000 0 | | | | | | | O.H |
| Staff Administrasi | 2.000000 0 | | | | | | | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 2.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|------------------------------------|--|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 2.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | Koordinator Kartografis | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 14.000000 00 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Plotter | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.1.3 | Penyiapan Personil dan Alat | Dokumen Report Kesiapan Alat dan Personil | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------|---------------------|------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H |
| | | | | | | Koordinator SIG | 3.000000 0 | O.H |
| | | | | | | Koordinator Kartografis | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | D.1.1.4 | Pelaporan Persiapan | Laporan Pesiapan | Dokumen | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|-------------------------|----------------|---|---------------|---------------|--|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.2 | Persiapan Teknis | D.1.2.1 | Persiapan Personil dan alat Persiapan Teknis | | Set File | Harddisk External | 3.000000 0 | U.H |
| | | | | | | Printer | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|----------------------------------|---|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Plotter | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.2.2 | Pengumpulan data sekunder | Peta LPI Peta LLN Citra Satelit Peta Laut Peta RBI Peta Pasut Toponim Data Cuaca dll | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | Laptop | 12.000000 00 | U.H |
| | | | | | | Printer | 3.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|--|---|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.2.3 | Penyusunan Rencana Lajur Pemeruman, Penentuan Lokasi Titik BM survey, Penentuan Lokasi Stasiun Pasut, Penentuan Titik Sampling Dasar Laut, Penentuan Titik Pengukuran Arus, Penentuan Titik | Peta Rencana Lajur, Stasiun Pasut, Titik Kontrol, Lokasi Basecamp, kapal, tenaga lokal dll | Set File | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H |
| | | | | | | Operator SIG | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 20.000000 00 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Software SIG | 5.000000 0 | U.H |
| | | | | | | Printer | 5.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | |
|---|---------|---------|----------------------------------|--------|--------|---|---------------------------------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | |
| | | | Pengukuran Sifat Fisik Air Laut. | | | | 0 | | |
| | | | | | | | Plotter | 5.000000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 | Set |
| | | | | | | | 0 | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | D.1.2.4 | Mobilisasi Survei Pendahuluan | | | Personil | | | |
| | | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | Staff Administrasi | 1.000000 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | Koordinator Geodesi/Geomatika | 1.000000 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 | O.H |
| | | | | | | | 0 | | |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 | O.H | |
| | | | | | | | 0 | | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 | U.H | |
| | | | | | | | 0 | | |
| | | | | | | Tiket Transportasi | 5.000000 | O.K | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|--|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Laptop | 40.000000 | U.H |
| | | | | | | PC Workstation | 20.000000 | U.H |
| | | | | | | Printer | 10.000000 | U.H |
| | | | | | | Akomodasi | 50.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.2.6 | Demobilisasi Survei Pendahuluan | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staff Administrasi | 1.000000 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|-----------------------------------|--------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.2.7 | Pelaporan Persiapan Teknis | Laporan Pesiapan Teknis | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 12.000000 00 | U.H |
| | | | | | | Printer | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | |
|---|--|--|---|--------|--------|---|-----------------|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | |
| D.1.4 | Pengukuran Pasang Surut Temporer Bacaan Otomatis | | | | | ATK | 1.000000 0 | Set | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | D.1.4.1 | Mobilisasi Pengukuran Pasang Surut Temporer Bacaan Otomatis | | | | | Personil | | |
| | | Ketua Tim | 1.000000 0 | | | | | O.H | | |
| | | Staff Administrasi | 1.000000 0 | | | | | O.H | | |
| | | Koordinator Akuisisi Hidrografi | 1.000000 0 | | | | | O.H | | |
| | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | | | | | O.H | | |
| | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | | | | | O.H | | |
| | | Surveyor Akuisisi Hidrografi | 1.000000 0 | | | | | O.H | | |
| | | a) Jumlah | | | | | | | | |
| | | Alat | | | | | | | | |
| | | Kendaraan Roda Empat | 2.000000 0 | | | | | U.H | | |
| | | Tiket Transportasi | 4.000000 0 | | | | | O.K | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|--------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.2 | Persiapan Personil dan Alat Pengukuran Pasang Surut Temporer Bacaan Otomatis | | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | Peralatan Komunikasi | 1.000000 0 | U.H | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|--|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Teropong | 1.000000 0 | U.H |
| | | | | | | Alat Bantu Penerangan | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Pasut | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.3 | Pemasangan Stasiun Pasang Surut | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.500000 0 | O.H |
| | | | | | | Staff Administrasi | 0.500000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.500000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|----------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 1.500000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 16.000000 00 | m |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------|--|---|---------|---------------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.4.4 | Pengukuran Pasang Surut Otomatis Utama | Data Pengukuran Pasang Surut harian dan bulanan | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 22.500000 | O.H |
| | | | | | | Staff Administrasi | 22.500000 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 22.500000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 90.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 30.000000 | U.H |
| | | | | | | Laptop | 67.500000 | U.H |
| | | | | | | PC Workstation | 90.000000 | U.H |
| | | | | | | Akomodasi | 112.500000 | U.H |
| | | | | | | Kapal | 30.000000 | U.H |
| | | | | | | Kamera Geotagging | 30.000000 | U.H |
| | | | | | | Peralatan Komunikasi | 30.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|---|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.4 | Pengukuran Pasang Surut Otomatis Bantu | Data Pengukuran Pasang Surut harian dan bulanan | Stasiun | Personil | | |
| | | | | | | Surveyor Akuisisi Hidrografi | 45.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 45.000000 | U.H |
| | | | | | | Akomodasi | 45.000000 | U.H |
| | | | | | | Kapal | 0.000000 | U.H |
| | | | | | | Peralatan Komunikasi | 15.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.5 | Pengolahan Data Pengukuran Pasang Surut Otomatis | Kedudukan Muka Laut (HAT,MSL,LAT),Cotidal Chart,Koreksi Kedalaman | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 3.000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 3.000000 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|--|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 6.000000 0 | U.H |
| | | | | | | Laptop | 9.000000 0 | U.H |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Software Pengolahan Pasut | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.6 | Demobilisasi Pengukuran Pasang Surut Temporer Bacaan Otomatis | | | Personil | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|---|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.4.7 | Pelaporan Pengukuran Pasang Surut Temporer Bacaan Otomatis | Laporan Pengukuran Pasang Surut | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.000000 0 | U.H |
| | | | | | | Printer | 3.000000 0 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|----------------------|---|---------------------------------|--------|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.5 | Pengukuran BM Survey | D.1.5.1. | Mobilisasi Pengukuran BM Survey | | Set File | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | Alat | | | | | | |
| | | Kendaraan Roda Empat | 4.000000 0 | U.H | | | | |
| | | Tiket Transportasi | 5.000000 0 | O.K | | | | |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| D.1.5. | | Persiapan | | | Set File | Personil | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|--------|--------|----------------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | 2. | Personil Dan Alat Pengukuran BM Survei | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 3.000000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 2.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 3.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Harddisk External | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 1.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|----------------------------|-------------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.5.3. | Pembuatan BM Survei | Bentuk Fisik BM Survei | Unit | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 0.148148 1 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 0.444444 4 | O.H |
| | | | | | | Tenaga Lokal | 0.296296 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.148148 1 | U.H |
| | | | | | | Alat Pertukangan | 0.296296 3 | U.H |
| | | | | | | Kamera Geotagging | 0.148148 1 | U.H |
| | | | | | | Akomodasi | 0.592592 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Besi o 6D | 0.497280 0 | Kg |
| | | | | | | Kawat Bendrat | 0.500000 0 | Kg |
| | | | | | | Paralon PVC 4 Inch | 0.500000 0 | m |
| | | | | | | Semen | 0.002040 2 | m3 |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|-----------------------------|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Pasir | 0.004080 4 | m3 |
| | | | | | | Batu split | 0.006120 6 | m3 |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Air | 2.125222 9 | ltr |
| | | | | | | Thinner | 0.002928 6 | ltr |
| | | | | | | Cat | 0.014643 2 | ltr |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.5.4. | Pemasangan BM Survei | BM Survei terpasang di lapangan | Titik | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 0.500000 0 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 0.500000 0 | O.H |
| | | | | | | Tenaga Lokal | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 0.500000 0 | U.H |
| | | | | | | Alat Pertukangan | 1.000000 0 | U.H |
| | | | | | | GPS Handheld dan | 0.500000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------|----------------------|----------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kelengkapannya | 0 | |
| | | | | | | Kamera Geotagging | 0.500000 | U.H |
| | | | | | | Akomodasi | 1.000000 | U.H |
| | | | | | | b) Jumlah | 0 | |
| | | | | | | Bahan | | |
| | | | | | | Semen | 0.002040 | m3 |
| | | | | | | Air | 2.125222 | ltr |
| | | | | | | Pasir | 0.004080 | m3 |
| | | | | | | Batu split | 0.006120 | m3 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 0.500000 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 1.500000 | O.H |
| | | | | | | Tenaga Lokal | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.500000 | U.H |
| | | D.1.5.5 | Pengukuran BM Survey | Data mentah pengukuran GPS | Titik | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|---|-------------------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kendaraan Roda Empat | 0.500000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 0.500000 0 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 1.500000 0 | U.H |
| | | | | | | Kamera Geotagging | 0.500000 0 | U.H |
| | | | | | | Akomodasi | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.5.6 | Pengukuran Beda Tinggi BM Survei-Stasiun Pasut | Beda Tinggi BM-Stasiun Pasut | Titik | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 0.333333 3 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 0.333333 3 | O.H |
| | | | | | | Tenaga Lokal | 0.666666 7 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------------|---|-----------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kamera Geotagging | 0.333333 3 | U.H |
| | | | | | | Waterpass | 0.333333 3 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.333333 3 | U.H |
| | | | | | | Akomodasi | 0.666666 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.5. 7 | Pengolahan Data Hasil Pengukuran BM Survei | Data Koordinat | Titik | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 0.012500 0 | O.H |
| | | | | | | Surveyor Pengolahan | 0.012500 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.025000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 0.012500 0 | U.H |
| | | | | | | Akomodasi | 0.025000 0 | U.H |
| | | | | | | b) Jumlah | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---|-----------------------------------|------------------------------|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.5.1. | Demobilisasi Pengukuran BM Survey | | Set File | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | Personil | | | | | | |
| | | Ketua Tim | 2.000000 0 | O.H | | | | |
| | | D.1.5.8 | Pelaporan Pengukuran BM Survei | Laporan Pengukuran BM Survei | Dokumen | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | |
|---|----------------------------|---|---------------------------------------|--------|--------|-------------------------------|-----------------|-------------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | |
| D.1.6 | Pemeruman Menggunakan SBES | | | | | Staf Administrasi | 2.000000 0 | O.H | | |
| | | | | | | Koordinator Geodesi/Geomatika | 2.000000 0 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 6.000000 0 | U.H | | |
| | | | | | | Printer | 2.000000 0 | U.H | | |
| | | | | | | Harddisk External | 1.000000 0 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.000000 0 | set | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.1.6.1 | Mobilisasi Pemeruman Menggunakan SBES | | | | | Personil | | |
| | | | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | a) Jumlah | | |
| Alat | | | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 3.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Echosounder Single Beam | 1.000000 0 | U.H |
| | | | | | | Genset | 1.000000 0 | U.H |
| | | | | | | Software Akuisisi SBES | 1.000000 | U.H |

D.1.6.
2

Persiapan
Personil
dan Alat
Pemeruman
Menggunakan
SBES

Kesiapan
Personil Dan
Alat untuk
Pemeruman
Menggunakan
SBES

BADAN INFORMASI
GEOSPASIAL

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|-----------------------------------|-----------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Bar Check | 1.000000 0 | U.H |
| | | | | | | GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | Sinyal Koreksi | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 2.000000 0 | U.H |
| | | | | | | Software Pengolahan SBES | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.6.3 | Pemeruman Menggunakan SBES | Data Mentah Pemeruman SBES | Line-Km | Personil | | |
| | | | | | | Surveyor Geodesi/Geomatika | 0.013632 1 | O.H |
| | | | | | | Surveyor Akusisisi Hidrografi | 0.013632 1 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 0.013632 1 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.013632 1 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|-------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 0.013632 1 | U.H |
| | | | | | | Kamera Geotagging | 0.013632 1 | U.H |
| | | | | | | Genset | 0.013632 1 | U.H |
| | | | | | | Echosounder Single Beam | 0.013632 1 | U.H |
| | | | | | | Software Akuisisi SBES | 0.013632 1 | U.H |
| | | | | | | Bar Check | 0.013632 1 | U.H |
| | | | | | | GPS Geodetik | 0.013632 1 | U.H |
| | | | | | | Sinyal Koreksi | 0.013632 1 | U.H |
| | | | | | | Peralatan Komunikasi | 0.027264 2 | U.H |
| | | | | | | Akomodasi | 0.027264 2 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------|--|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.6.4 | Pengolahan Data Pemeruman menggunakan SBES | Data Kedalaman yang mengacu pada sounding datum | Line-Km | Surveyor Pengolahan Data Hidrografi | 0.003333 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 0.003333 3 | U.H |
| | | | | | | Software Pengolahan SBES | 0.003333 3 | U.H |
| | | | | | | Harddisk External | 0.003333 3 | U.H |
| | | | | | | Akomodasi | 0.003333 3 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | D.1.6.5 | Demobilisasi Pemeruman menggunakan SBES | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|---|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 3.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | Dokumen | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 25.000000 00 | U.H |
| | | | | | | Printer | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | D.1.6.6 | Pelaporan Pemeruman Menggunakan SBES | Laporan Pemeruman Menggunakan SBES | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | | | | |
|---|----------------------------|---------|---------------------------------------|--------|--------|---|-----------------|---|---------------|-----|--|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | | | | |
| D.1.7 | Pemeruman Menggunakan MBES | | | | | Bahan | | | | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | D.1.7.1 | Mobilisasi Pemeruman Menggunakan MBES | | | | | Personil | | | | | | | |
| | | | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | | | |
| | | | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H | | | | | |
| | | | | | | | | Surveyor Hidrografi | 1.000000 0 | O.H | | | | | |
| | | | | | | | | a) Jumlah | | | | | | | |
| | | | | | | | | Alat | | | | | | | |
| | | | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H | | | | | |
| | | | | | | | | Tiket Transportasi | 3.000000 0 | O.K | | | | | |
| | | | | | | | | b) Jumlah | | | | | | | |
| | | | | | | | | Bahan | | | | | | | |
| | | | | | | | | c) Jumlah | | | | | | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | D.1.7.2 | Persiapan Personil dan Alat | | | | | Personil | | | | | | | |
| | | | | | | | | a) Jumlah | | | | | | | |
| | | | | | | | | Alat | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | |
|---|---------|------|----------------------------|----------------------------|--------------------------|---------------|------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | |
| | | | Pemeruman Menggunakan MBES | Pemeruman Menggunakan MBES | | Kapal | 1.000000 0 | U.H | |
| | | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | | Echosounder Multi Beam | 1.000000 0 | U.H |
| | | | | | | | Genset | 1.000000 0 | U.H |
| | | | | | | | Software Akuisisi MBES | 1.000000 0 | U.H |
| | | | | | | | Patch Test | 1.000000 0 | U.H |
| | | | | | | | GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | | Sinyal Koreksi | 1.000000 0 | U.H |
| | | | | | | | Peralatan Komunikasi | 2.000000 0 | U.H |
| | | | | | Software Pengolahan MBES | 1.000000 0 | U.H | | |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|-----------------------------------|-----------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.7.3 | Pemeruman Menggunakan MBES | Data Mentah Pemeruman MBES | Line-Km | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 0.013632 1 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.013632 1 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 0.013632 1 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.013632 1 | U.H |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 0.013632 1 | U.H |
| | | | | | | Kamera Geotagging | 0.013632 1 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------|---|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Genset | 0.013632 1 | U.H |
| | | | | | | Echosounder Multi Beam | 0.013632 1 | U.H |
| | | | | | | Software Akuisisi MBES | 0.013632 1 | U.H |
| | | | | | | Patch Test | 0.013632 1 | U.H |
| | | | | | | GPS Geodetik | 0.013632 1 | U.H |
| | | | | | | Peralatan Komunikasi | 0.027264 2 | U.H |
| | | | | | | Akomodasi | 0.027264 2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.7.4 | Pengolahan Data Pemeruman menggunakan MBES | Data Kedalaman yang mengacu pada sounding datum | Line-Km | Personil | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 0.005000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 0.005000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Software Pengolahan MBES | 0.005000 0 | U.H |
| | | | | | | Akomodasi | 0.005000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 3.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |

D.1.7.
5

Demobilisasi
Pemeruman
menggunakan
an MBES

BADAN INFORMASI
GEOSPASIAL

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | | | |
|--|-----------------|----------------|---|---|---------------|---|------------------------|---------------|-------------------|--|--|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | | | |
| D.1.9 | Pengukur | D.1.7.6 | Pelaporan Pemeruman Menggunakan MBES | Laporan Pemeruman Menggunakan MBES | Dokumen | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | Personil | | | | | | | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H | | | | | | |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H | | | | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H | | | | | | |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H | | | | | | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 5.000000 0 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | | | | | | | | |
| | | | | | | Laptop | 25.00000 00 | U.H | | | | | | |
| | | | | | | Printer | 5.000000 0 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | D.1.9 | Pengukur | D.1.9. | Mobilisasi | | | Personil | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | | | | | |
|--|--|---------------|--|---------------|---------------|--|--|---|--|---------|----------------------|---------------|-----|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | | | | | |
| | an Sifat Fisik Air Laut Menggunakan SVP | 1 | Pengukuran Sifat Fisik Air Laut Menggunakan SVP | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | | | | | | |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H | | | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | | | |
| | | | | | | Alat | | | | | | | | | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H | | | | | | | | |
| | | | | | | Tiket Transportasi | 2.000000 0 | O.K | | | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | | | |
| | | | | | | Bahan | | | | | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | | | | | D.1.9.2 | Persiapan Personil dan Alat Pengukuran Sifat Fisik Air Laut Menggunakan SVP | Kesiapan Personil Dan Alat untuk Pengukuran Sifat Fisik Air Laut/SVP | | Dokumen | Personil | | | | | |
| | | | | | | | | | | | a) Jumlah | | | | | |
| | | | | | | | | | | | Alat | | | | | |
| | | | | | | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H | | | |
| | Kapal | 1.000000 0 | U.H | | | | | | | | | | | | | |
| | SVP | 1.000000 0 | U.H | | | | | | | | | | | | | |
| | GPS Handheld | 1.000000 0 | U.H | | | | | | | | | | | | | |
| | Kamera Geotagging | 1.000000 | U.H | | | | | | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------|---|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Peralatan Komunikasi | 2.000000 0 | U.H |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Harddisk External | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | SVP | 1.000000 0 | U.H |
| | | D.1.9.3 | Pengukuran Sifat Fisik Air Laut Menggunakan SVP | Data Salinitas, Tekanan, Temperatur, dan Densitas | Titik | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 2.000000 0 | U.H |
| | | | | | | Akomodasi | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 2.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |

D.1.9.5
Demobilisasi Pengukuran Sifat Fisik Air Laut Menggunakan SVP

BADAN INFORMASI GEOSPASIAL

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|------------------------|---|--|--|---------------|---|------------------------|-----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.1 0 | Pengukuran Arus | D.1.9. 6 | Pelaporan Pengukuran Sifat Fisik Air Laut Menggunakan SVP | Laporan Pengukuran Sifat Fisik Air Laut Menggunakan SVP | Dokumen | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | ATK | 1.000000 0 | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.1.10 .1 | Mobilisasi Pengukuran Arus | | | | | Personil |
| Koordinator Akuisisi Hidrografi | 1.000000 0 | | | | | | | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|--|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.10 | Persiapan Personil dan Alat Pengukuran Arus | Kesiapan Personil Dan Alat untuk Pengukuran Arus | Dokumen | Personil | | |
| | | .2 | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|--------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Currentmeter | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 1.000000 0 | U.H |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Arus | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Harddisk External | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.000000 0 | O.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|------------------------|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.10.3 | Pengukuran Arus | Data Posisi Stasiun Pengukuran Arus dan data kecepatan arus | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staff Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 2.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 10.000000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Kapal | 10.000000 00 | U.H |
| | | | | | | Currentmeter | 10.000000 00 | U.H |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 10.000000 00 | U.H |
| | | | | | | GPS Handheld | 10.000000 00 | U.H |
| | | | | | | Kamera Geotagging | 10.000000 00 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|---|------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Peralatan Komunikasi | 20.000000 | U.H |
| | | | | | | Akomodasi | 12.000000 | O.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.10.4 | Pengolahan Hasil Pengukuran Arus | Model Arah Arus | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.400000 | O.H |
| | | | | | | Staff Administrasi | 0.400000 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 0.400000 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 2.000000 | O.H |
| | | | | | | Staff Administrasi | 0.400000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.200000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Kamera Geotagging | 2.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|------------------------|--------|--------|--|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Software Pengolahan Arus | 2.000000 0 | U.H |
| | | | | | | Akomodasi | 2.800000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.1.10 | Demobilisasi | | | Personil | | |
| | | .5 | Pengukuran Arus | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | O.K |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|-------------------------|--------------|------------------------------|-------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.1 1 | Pengukuran Contoh Dasar | D.1.10 .6 | Pelaporan Pengukuran Arus | Laporan Pengukuran Arus | Dokumen | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | 2 | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| D.1.11 1 | Pengukuran Contoh Dasar | D.1.11 .1 | Mobilisasi Pengukuran Contoh | | | Personil | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------------|----------|-------------|---|---------|--|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | Laut | D.1.11.2 | Dasar Laut | Kesiapan Personil Dan Alat untuk Pengukuran Contoh Dasar Laut | Dokumen | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| Surveyor Pengolahan Data Hidrografi | | | | | | 1.000000 0 | O.H | |
| Surveyor Akuisisi Hidrografi | | | | | | 1.000000 0 | O.H | |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| Kendaraan Roda Empat | | | | | | 2.000000 0 | U.H | |
| Tiket Transportasi | | | | | | 4.000000 0 | O.K | |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| Personil | | | | | | | | |
| Ketua Tim | | | | | | 1.000000 0 | O.H | |
| Staff Administrasi | | | | | | 1.000000 0 | O.H | |
| Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | | | | | |
| Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|-------------|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Grab/Corer | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kamera Geotaging | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 1.000000 0 | U.H |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | |
|---|---------|-------------------|---|--|--------|--|-----------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | |
| | | D.1.11 .3 | Pengambilan dan indentifikasi Sampel Sedimen Dasar Laut | Posisi Titik Sample dan Deskripsi Sample | Titik | Personil | | | |
| | | | | | | Ketua Tim | 0.050000 0 | O.H | |
| | | | | | | Staff Administrasi | 0.050000 0 | O.H | |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.050000 0 | O.H | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 0.050000 0 | O.H | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 0.050000 0 | O.H | |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.050000 0 | O.H | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Kendaraan Roda Empat | 0.050000 0 | U.H | |
| | | | | | | Laptop | 0.200000 0 | U.H | |
| | | | | | | PC Workstation | 0.100000 0 | U.H | |
| | | | | | | Kapal | 0.050000 0 | U.H | |
| | | | | | | Grab/Corer | 0.050000 0 | U.H | |
| | | GPS Handheld | 0.050000 0 | U.H | | | | | |
| | | Kamera Geotagging | 0.050000 | U.H | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|---|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Peralatan Komunikasi | 0.100000 0 | U.H |
| | | | | | | Akomodasi | 0.200000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.11.4 | Demobilisasi Pengukuran Pengukuran Contoh Dasar Laut | | | Personil | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | O.K |
| | | | | | | b) Jumlah | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | |
|---|----------|---|--|--------------------------------------|---------|---|-----------------|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | |
| D.1.1 | Pemetaan | D.1.11 .5 | Pelaporan Pengukuran Contoh Dasar Laut | Laporan Pengukuran Contoh Dasar Laut | Dokumen | Bahan | | | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | | | Personil | | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | | |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | Laptop | 4.000000 0 | U.H | | | | | | |
| | | Printer | 1.000000 0 | U.H | | | | | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | ATK | 1.000000 0 | Set | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.1.12 | Mobilisasi | | | | | Personil | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | |
|---|--------------|-------------------------------|-----------------------|--------|--------|---|---|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | |
| 2 | Garis Pantai | .1 | Pemetaan Garis Pantai | | | Surveyor Pengolahan Data | 1.000000 0 | O.H | | | | |
| | | | | | | Surveyor Akuisisi Geodesi | 3.000000 0 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | | | | | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H | | | | |
| | | | | | | Tiket Transportasi | 4.000000 0 | O.K | | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | Personil | | | | | | | | | | |
| | | Ketua Tim | 0.000000 0 | | | O.H | | | | | | |
| | | Staf Administrasi | 0.000000 0 | | | O.H | | | | | | |
| | | Koordinator Geodesi/Geomatika | 0.000000 0 | | | O.H | | | | | | |
| | | a) Jumlah | | | | | | | | | | |
| | | Alat | | | | | | | | | | |
| | | Laptop | 0.000000 0 | | | U.H | | | | | | |
| | | PC Workstation | 2.000000 | | | U.H | | | | | | |
| | | D.1.12 | | | | .2 | Persiapan Personil Dan Alat Pemetaan Garis Pantai | | | | | |
| | | | | | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|-------------------------------|---------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 3.000000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 0.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.12 | Pengukuran | Garis Pantai | Km | Personil | | |
| | | .3 | Garis Pantai teristris | Terestris | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi (Base) | 0.166666 7 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi (Rover) | 0.166666 7 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|--|---------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 0.333333 3 | U.H |
| | | | | | | Kamera Geotagging | 0.166666 7 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.333333 3 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.166666 7 | U.H |
| | | | | | | Akomodasi | 0.333333 3 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.12.4 | Pengolahan Data Hasil Pengukuran Garis Pantai Terestris | Garis Pantai | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data | 0.200000 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|------------------------------|--------|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 0.200000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 0.200000 0 | U.H |
| | | | | | | Akomodasi | 0.200000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.12 | Demobilisasi Pemetaan | | Set File | Personil | | |
| | | .5 | Garis Pantai | | | Surveyor Pengolahan Data | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Geodesi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 | O.K |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|--|--------------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.12 | Pelaporan Pemetaan Garis Pantai | Laporan Pemetaan garis Pantai | Dokumen | Personil | | |
| | | .6 | | | | | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | |
|---|---|------|----------------------------|---|--------|-------------------------------------|---------------------------------|---------------|-----|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | |
| D.1.13 | Pengukuran SBNP | .1 | Mobilisasi Pengukuran SBNP | | | Personil | | | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H | | | |
| | | | | | | Tiket Transportasi | 3.000000 0 | O.K | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | c) Jumlah | | | | | | | | | | |
| | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | |
| | .2 | | | Persiapan Personil dan Alat Pengukuran SBNP | | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 1.000000 0 | O.H | | |
| | | | | | | | Staff Administrasi | 1.000000 0 | O.H | | |
| | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kamera Geotaging | 1.000000 0 | U.H |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.13 .3 | Pengukuran Posisi dan Inventaris SBNP | Posisi SBNP dan deskripsi SBNP | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|-------------------|------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kamera Geotaging | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.13 | Pengolahan | Data Posisi Dan | NLP | Personil | | |
| | | .4 | Hasil | deskripsi SBNP | | Ketua Tim | 1.000000 0 | O.H |
| | | | Pengukuran | | | Staff Administrasi | 1.000000 | O.H |
| | | | Posisi dan | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | |
|---|---------|--------------|------------------------------|--------|--------|-----------------|---|-------------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | |
| | | | Inventaris SBNP | | | | 0 | | | |
| | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | |
| | | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | |
| | | | | | | | a) Jumlah | | | |
| | | | | | | | Alat | | | |
| | | | | | | | Laptop | 3.000000 0 | U.H | |
| | | | | | | | PC Workstation | 1.000000 0 | U.H | |
| | | | | | | | Kamera Geotagging | 1.000000 0 | U.H | |
| | | | | | | | Akomodasi | 2.000000 0 | U.H | |
| | | | | | | | b) Jumlah | | | |
| | | | | | | | Bahan | | | |
| | | | | | | | | | | |
| | | | | | | | c) Jumlah | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | D.1.13 .5 | Demobilisasi Pengukuran SBNP | | | Personil | | | | |
| | | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|----------------|---------------|--------------------------------|------------------------------|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 3.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.13 | Pelaporan Pemetaan SBNP | Laporan Pemetaan SBNP | Dokumen | Personil | | |
| | | .6 | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---|--------------|---|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| D.1.1 4 | Pengolahan Data Pengukuran Batimetri Menggunakan SBES | D.1.14 .1 | Persiapan Personil dan Alat Pengolahan Data Pengukuran Batimetri Menggunakan SBES | | | | 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Data Bathimetri SBES | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | |
|---|---------|--------------|--|---|---------|--|-----------------|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | |
| | | D.1.14 .2 | Pengolahan Pengukuran Batimetri menggunakan SBES | Kedalaman Terkoreksi terhadap Chart Datum Definitif | NLP | Personil | | | | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | | | | |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H | | | | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | | | | |
| a) Jumlah | | | | | | | | | | | | |
| | | | | | | Alat | | | | | | |
| | | | | | | Laptop | 3.000000 0 | U.H | | | | |
| | | | | | | PC Workstation | 1.000000 0 | U.H | | | | |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H | | | | |
| | | | | | | Software Pengolahan Data Bathimetri SBES | 1.000000 0 | U.H | | | | |
| b) Jumlah | | | | | | | | | | | | |
| | | | | | | Bahan | | | | | | |
| c) Jumlah | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | |
| | | D.1.14 .3 | Pelaporan Pengolahan Data | Laporan Pengolahan Data Pengukuran | Dokumen | Personil | | | | | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | |
|---|---|----------|---|----------------------------|---|--|--------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | |
| | | | Pengukuran Batimetri Menggunakan SBES | Batimetri Menggunakan SBES | | Koordinator Pengolahan Data Hidrografi | 2.000000 0 | O.H | |
| | | | | | | | Staff Administrasi | 2.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| D.1.15 | Pengolahan Data Pengukuran Batimetri Menggunakan MBES | D.1.15.1 | Persiapan Personil dan Alat Pengolahan Data Pengukuran Batimetri Menggunakan MBES | | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 3.000000 0 | U.H | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|--------------------|------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Data Bathimetri MBES | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.15 | Pengolahan | Kedalaman | NLP | Personil | | |
| | | .2 | Pengukuran | Terkoreksi | | Ketua Tim | 2.000000 0 | O.H |
| | | | Batimetri | terhadap Chart | | Staff Administrasi | 2.000000 0 | O.H |
| | | | menggunakan | Datum Defenitif | | Koordinator Pengolahan Data Hidrografi | 2.000000 0 | O.H |
| | | | an MBES | | | Surveyor Pengolahan Data Hidrografi | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------|--|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 2.000000 0 | U.H |
| | | | | | | Software Pengolahan Data Bathimetri MBES | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.15 | Pelaporan Pengolahan Data Pengukuran Batimetri Menggunakan MBES | Laporan Pengolahan Data Pengukuran Batimetri Menggunakan MBES | Dokumen | Personil | | |
| | | .3 | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staff Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Harddisk External | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|---|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.17.2 | Intepretasi dan Deliniasi Garis pantai | Garis Pantai HAT, MSL,LAT | Km | Personil | | |
| | | | | | | Ketua Tim | 0.0277778 | O.H |
| | | | | | | Staff Administrasi | 0.0277778 | O.H |
| | | | | | | Koordinator SIG | 0.0277778 | O.H |
| | | | | | | Operator SIG | 0.0277778 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.0555556 | U.H |
| | | | | | | PC Workstation | 0.0555556 | U.H |
| | | | | | | Software SIG | 0.0555556 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.17.3 | Pelaporan Intepretasi dan | Laporan Pembentukan Topologi dan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|----------------------------------|--------------|--|---------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | Deliniasi Garis pantai | Poligon | | | 0 | |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | Scanner | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.1 8. | Pembentukan Topologi dan Poligon | D.1.18 .1 | Persiapan Personil dan Alat Pembentukan Topologi dan Poligon | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staf Administrasi | 1.000000 | O.H |
| | | | | | | Koordinator SIG | 1.000000 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.18 .2 | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | Operator SIG | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 1.500000 0 | O.H |
| | | | | | | Staf Administrasi | 1.500000 0 | O.H |
| | | | | | | Koordinator SIG | 1.500000 0 | O.H |
| | | | | | | Operator SIG | 1.500000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Software GIS | 3.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | Operator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Software GIS | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|---------------------------------|--|--|-------------------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.18 .3 | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | Operator SIG | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut | NLP | Personil | | | |
| | | | | | Ketua Tim | 1.500000 0 | O.H | |
| | | | | | Staf Administrasi | 1.500000 | O.H | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | |
|---|---------|------|---|--|--------|-------------------|-----------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | (Seamless). | | | 0 | | | | |
| | | | | | | Koordinator SIG | 1.500000 | O.H | | | |
| | | | | | | Operator SIG | 1.500000 | O.H | | | |
| a) Jumlah | | | | | | | | | | | |
| Alat | | | | | | | | | | | |
| | | | | | | Laptop | 3.000000 | U.H | | | |
| | | | | | | PC Workstation | 3.000000 | U.H | | | |
| | | | | | | Software GIS | 3.000000 | U.H | | | |
| b) Jumlah | | | | | | | | | | | |
| Bahan | | | | | | | | | | | |
| c) Jumlah Personil Dan Alat | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | | | | |
| | | | | | | Ketua Tim | 2.000000 | O.H | | | |
| | | | | | | Staf Administrasi | 2.000000 | O.H | | | |
| | | | | | | Koordinator SIG | 2.000000 | O.H | | | |
| | | | | | | Operator SIG | 2.000000 | O.H | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|----------------|---------------|---|---|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Software GIS | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.18 | Pelaporan Pembentukan Topologi dan Poligon | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | .4 | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------------------|------------------------------------|--------------------------------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.19 .2 | Pembentukan dan Editing DTM | File DTM | NLP | Personil | | |
| | | | | | | Ketua Tim | 4.000000 0 | O.H |
| | | | | | | Staf Administrasi | 4.000000 0 | O.H |
| | | | | | | Koordinator SIG | 4.000000 0 | O.H |
| | | | | | | Operator SIG | 4.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 8.000000 0 | U.H |
| | | | | | | PC Workstation | 8.000000 0 | U.H |
| | | | | | | Software GIS | 8.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.19 .3 | Pelaporan Pembentukan DTM | Laporan Pembentukan DTM | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|--|----------|--|--------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.20. | Pembentukan Kontur dan Titik Kedalaman | D.1.20.1 | Persiapan Personil dan Alat Pembentukan Kontur dan Titik Kedalaman | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|--------------------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.20 .2 | Pembentukan dan Editing Kontur (Topografi Laut : Landai) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 6.000000 0 | OH |
| | | | | | | Staf Administrasi | 6.000000 0 | OH |
| | | | | | | Koordinator SIG | 6.000000 0 | OH |
| | | | | | | Operator SIG | 6.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 12.00000 00 | U.H |
| | | | | | | PC Workstation | 12.00000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|--------------------------------------|--------|-------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 00 | |
| | | | | | | Software GIS | 12.000000 00 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah Personil Dan Alat | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | Pembentukan dan Editing Kontur (Topografi Laut: Terjal) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 8.000000 0 | OH |
| | | | | | | Staf Administrasi | 8.000000 0 | OH |
| | | | | | | Koordinator SIG | 8.000000 0 | OH |
| | | | | | | Operator SIG | 8.000000 0 | OH |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 16.000000 00 | U.H |
| | | | | | | PC Workstation | 16.000000 00 | U.H |
| | | | | | | Software GIS | 16.000000 00 | U.H |
| b) Jumlah | | | | | | | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|-----------------|------------------------------------|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.20.3 | Pembentukan Titik Kedalaman | Geodatabase Spotheight hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | OH |
| | | | | | | Staf Administrasi | 2.000000 0 | OH |
| | | | | | | Koordinator SIG | 2.000000 0 | OH |
| | | | | | | Operator SIG | 2.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Software GIS | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.20 | Pelaporan | Laporan | Dokume | Personil | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|-------------------------|---------------|---|--|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | .4 | Pembentukan Kontur dan Titik Kedalaman | Pembentukan Kontur dan Spotheight | n | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.2 | Penyelarsan Data | D.1.21 | Persiapan Personil dan Alat Penyelarsan Data | | Dokume n | Personil | | |
| 1. | | .1 | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|---|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.21 .2 | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.500000 0 | O.H |
| | | | | | | Staf Administrasi | 2.500000 0 | O.H |
| | | | | | | Koordinator SIG | 2.500000 0 | O.H |
| | | | | | | Operator SIG | 2.500000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|---|--------|-------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Software GIS | 5.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | Editing Fitur dan Atribut | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staf Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator SIG | 5.000000 0 | O.H |
| | | | | | | Operator SIG | 5.000000 0 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 10.00000 00 | U.H |
| | | | | | | PC Workstation | 10.00000 00 | U.H |
| | | | | | | Software GIS | 10.00000 00 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------|--|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 7.500000 0 | O.H |
| | | | | | | Staf Administrasi | 7.500000 0 | O.H |
| | | | | | | Koordinator SIG | 7.500000 0 | O.H |
| | | | | | | Operator SIG | 7.500000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 15.000000 00 | U.H |
| | | | | | | PC Workstation | 15.000000 00 | U.H |
| | | | | | | Software GIS | 15.000000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|--------------|-------------------------------|---|-------------------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | D.1.21 .3 | Edgematching | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.200000 0 | O.H |
| | | | | | | Staf Administrasi | 1.200000 0 | O.H |
| | | | | | | Koordinator SIG | 1.200000 0 | O.H |
| | | | | | | Operator SIG | 1.200000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 2.400000 0 | U.H |
| | | | | | | Software GIS | 2.400000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.21 .4 | Validasi dan Editing Topologi | Geodatabase final IG unsur laut (Topologically cleaned) | Geodatabase Final | Personil | | |
| | | | | | | Ketua Tim | 2.500000 0 | OH |
| | | | | | | Staf Administrasi | 2.500000 | OH |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 0 | |
| | | | | | | Koordinator SIG | 2.500000 0 | OH |
| | | | | | | Operator SIG | 2.500000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Software GIS | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.21 .5 | Pelaporan Penyelarasan Data | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|-------------------------------|----------------------|---|--------|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.2 2. | Pembuatan Metadata | D.1.22 .1 | Persiapan Personil dan Alat Pembuatan Metadata | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|-------------------------------|--|-----------------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.22 .2 | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatab ase | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | OH |
| | | | | | | Staf Administrasi | 1.000000 0 | OH |
| | | | | | | Koordinator SIG | 1.000000 0 | OH |
| | | | | | | Operator SIG | 1.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|------------------------------------|-----------------|------------------------------------|-----------------------------------|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah Personil Dan Alat | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.22.3 | Pelaporan Metadata | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | \ | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.23.1 | Penyajian Kartografi s Peta | D.1.23.1 | Persiapan Personil dan Alat | | Gdb | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | | | | | |
|---|----------------------------|------|------------------------------|--------|--------|---|---------------------------------|----------------------|-----|--------------------|---------------|-----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | | | | | |
| | Batimetri Kedalaman 0-200m | | Penyajian Kartografis 0-200m | | | Staff Administrasi | 1.000000 0 | O.H | | | | | |
| | | | | | | Koordinator Kartografi | 1.000000 0 | O.H | | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | | | | | | | |
| | | | | | | Laptop | 3.000000 0 | U.H | | | | | |
| | | | | | | PC Workstation | 1.000000 0 | U.H | | | | | |
| | | | | | | Printer | 1.000000 0 | U.H | | | | | |
| | | | | | | Plotter | 1.000000 0 | U.H | | | | | |
| | | | | | | Software Desain Grafis | 1.000000 0 | U.H | | | | | |
| | | | | | | Software Kartografis berbasis GIS | 1.000000 0 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | | | | | | | |
| | | | | | | ATK | | Set | | | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | | | | | D.1.23 .2 | Penyusunan Basisdata Kartografi | Basisdata Kartografi | Gdb | Personil | | | |
| | | | | | | | | | | Ketua Tim | 0.357142 9 | O.H | |
| | | | | | | | | | | Staff Administrasi | 0.357142 | O.H | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|------------------|---|----------------------------------|--------|-----------------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | | 9 | |
| | | | | | | Koordinator Kartografi | 0.3571429 | O.H |
| | | | | | | Operator Kartografi | 0.3571429 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 1.0714286 | U.H |
| | | | | | | PC Workstation | 0.3571429 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.7142857 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.1.23..3 | Penyusunan Cartographic Driven Table | Cartographic Driven Table | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0714286 | O.H |
| | | | | | | Staff Administrasi | 0.0714286 | O.H |
| | | | | | | Koordinator Kartografi | 0.0714286 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|---|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Operator Kartografi | 0.071428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.214285 7 | U.H |
| | | | | | | PC Workstation | 0.071428 6 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.142857 1 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .4 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.571428 6 | O.H |
| | | | | | | Staff Administrasi | 0.571428 6 | O.H |
| | | | | | | Koordinator Kartografi | 0.571428 6 | O.H |
| | | | | | | Operator Kartografi | 0.571428 6 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|---------------------------|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.714285 7 | U.H |
| | | | | | | PC Workstation | 0.571428 6 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.142857 1 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .5 | Editing Kartografi | Pengaturan dan perubahan dalam layout sesuai standar kartografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.285714 3 | O.H |
| | | | | | | Staff Administrasi | 1.285714 3 | O.H |
| | | | | | | Koordinator Kartografi | 1.285714 3 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Operator Kartografi | 1.285714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.857142 9 | U.H |
| | | | | | | PC Workstation | 1.285714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 2.571428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .6 | Pencetakan Coba Hasil Layout Kartografis Peta Batimetri Kedalaman 0-200 m | Hasil cetak coba separasi warna, Hasil cetak coba peta LPI | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.035714 3 | O.H |
| | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|-----------------------------|--------------------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | PC Workstation | 0.035714 3 | U.H |
| | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | Lembar |
| | | | | | | Tinta Plotter | 0.000200 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .7 | Pencetakan Draft | hasil draft peta tiap NLP | NLP | Personil | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | | |
|---|---------|------|--|--------|--------|---------------|-----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan | |
| | | | Layout Kartografis peta Batimetri Kedalaman 0-200m | | | Ketua Tim | 0.035714 3 | O.H | |
| | | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |
| | | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | | PC Workstation | 0.035714 3 | U.H |
| | | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | | Kertas Peta | 2.000000 0 | Lembar |
| | | | | | | Tinta Plotter | 0.000200 0 | Set | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|---|--|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .8 | Pencetakan peta Batimetri Kedalaman 0-200m | hasil peta Batimetri Kedalaman 0- 200m tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.035714 3 | O.H |
| | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |
| | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | PC Workstation | 0.035714 3 | U.H |
| | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|---|---------|----------------------|--|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | Lembar |
| | | | | | | Tinta Plotter | 0.000200 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.1.23 .9 | Pelaporan Penyajian kartografis peta Batimetri Kedalaman 0-200m | Laporan Penyajian kartografis peta Batimetri Kedalaman 0-200m, Album peta (draft dan akhir), soft copy data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.571428 6 | O.H |
| | | | | | | Staff Administrasi | 1.571428 6 | O.H |
| | | | | | | Koordinator Kartografi | 1.571428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.714285 7 | U.H |
| | | | | | | Printer | 1.571428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|------------------|-----------------|--------------------------|--------------------------|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.1.24. | Pelaporan | D.1.24.1 | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | Staf Administrasi | 5.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 0 | U.H. |
| | | | | | | Printer | 5.000000 0 | U.H. |
| | | | | | | Scanner | 5.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Harddisk Eksternal | 2.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 2.000000 0 | RIM |
| | | | | | | Tinta Printer | 1.000000 0 | Paket |

| D.1 Survei Hidrografi Kedalaman 0-200 m | | | | | | | | |
|--|----------------|-------------|--------------------|---------------|---------------|---|------------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien Dasar | Satuan |
| | | | | | | Penjilidan | 3.000000 0 | Rangk ap |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisa Biaya Keluaran Kegiatan

y. Survei Hidrografi Kedalaman Lebih Besar dari 200 meter

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Survei Hidrografi Kedalaman Lebih Besar dari 200 meter dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Survei Hidrografi Kedalaman Lebih Besar dari 200 meter:

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktivitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktivitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Survei Hidrografi Kedalaman Lebih Besar dari 200 meter:

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|------------------|---|--|--|---------------|----------------------|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.2.1 | Persiapan | D.2.1.1 | Pengurusan Administrasi, Surat tugas Pelaksanaan Survey Lapangan, dan Surat Pemberitahuan | Dokument Surat Izin dan Administrasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | staff Administrasi | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | Laptop | 10.00000 00 | U.H |
| | | | | | | Printer | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | ATK | 1.000000 0 | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.2.1.2 | Penyusunan Rencana Detail Pelaksanaan Kegiatan | Dokumen Rencana Umum Pelaksanaan Kegiatan | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staff Administrasi | 2.000000 0 | O.H |
| Koordinator Akuisisi Hidrografi | 2.000000 0 | | | | | O.H | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|----------------|------------------------------------|---|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 2.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | Koordinator Kartografis | 2.000000 0 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 14.000000 00 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Plotter | 2.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.2.1.3 | Penyiapan Personil dan Alat | Dokumen Report Kesiapan Alat dan | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|----------------------------|-------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Personil | | | 0 | |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H |
| | | | | | | Koordinator SIG | 3.000000 0 | O.H |
| | | | | | | Koordinator Kartografis | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1.4 | Pelaporan Persiapan | Laporan Pesiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|--|------------------|---------------------------------|--|--------|----------|---|---------------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.2.2 | Persiapan Teknis | D.2.2.1 | Persiapan Personil dan alat Persiapan Teknis | | Set File | Alat | | | | |
| | | | | | | Laptop | 6.000000 0 | U.H | | |
| | | | | | | Printer | 3.000000 0 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | | | Personil | | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | | |
| | | Staff Administrasi | 1.000000 0 | O.H | | | | | | |
| | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | | | | | |
| | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H | | | | | | |
| | | a) Jumlah | | | | | | | | |
| | | Alat | | | | | | | | |
| | | Kendaraan Roda Empat | 1.000000 0 | U.H | | | | | | |
| | | Laptop | 4.000000 | U.H | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|----------------|----------------------------------|---|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Plotter | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.000000 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.2.2 | Pengumpulan data sekunder | Peta LPI Peta LLN Citra Satelit Peta Laut Peta RBI Peta Pasut | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|---|----------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Toponim | | Alat | | |
| | | | | Data Cuaca dll | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | Laptop | 12.000000 00 | U.H |
| | | | | | | Printer | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.2.3 | Penyusunan Rencana Lajur Pemeruman, Penentuan Lokasi Titik BM survey, Penentuan Lokasi Stasiun | Peta Rencana Lajur, Stasiun Pasut, Titik Kontrol, Lokasi Basecamp, kapal, tenaga lokal dll | Set File | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H |
| | | | | | | Operator SIG | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | |
|--|---------|----------------|---|--------|--------|---|---------------------------------|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Pasut, Penentuan Titik Sampling Dasar Laut, Penentuan Titik Pengamatan Arus, Penentuan Titik Pengamatan Sifat Fisik Air Laut. | | | Alat | | | |
| | | | | | | | Laptop | 20.000000 | U.H |
| | | | | | | | PC workstation | 5.000000 | U.H |
| | | | | | | | Software SIG | 5.000000 | U.H |
| | | | | | | | Printer | 5.000000 | U.H |
| | | | | | | | Plotter | 5.000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.000000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | D.2.2.4 | Mobilisasi Survei Pendahuluan | | | Personil | | | |
| | | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H |
| | | | | | | | Koordinator Geodesi/Geomatika | 1.000000 | O.H |
| | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|-------------|---|---|----------|--|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.2. 5 | Survei Pendahuluan (Aksesibilitas Rendah dan Cuaca Baik) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | Set File | Personil | | |
| | | | | | | Ketua Tim | 10.00000 00 | O.H |
| | | | | | | Staff Administrasi | 10.00000 00 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 10.00000 00 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 10.00000 00 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 10.00000 00 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|-------------|---------------------------------------|-------------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Surveyor Geodesi/Geomatika | 10.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 10.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 10.00000 00 | U.H |
| | | | | | | GPS Handheld | 10.00000 00 | U.H |
| | | | | | | Laptop | 40.00000 00 | U.H |
| | | | | | | PC workstation | 20.00000 00 | U.H |
| | | | | | | Printer | 10.00000 00 | U.H |
| | | | | | | Akomodasi | 50.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesbilit | Dokumen Perizinan survey dan | Set File | Personil | | |
| | | | | | | Ketua Tim | 12.00000 00 | O.H |
| | | | | | | Staff Administrasi | 12.00000 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|---|----------------|-------------|-----------------------------------|-----------------------------------|----------------|--------------------|---------------------------------|---------------|-----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | as Sedang dan Cuaca Baik) | deskripsi keadaan lapangan | | | 00 | | | |
| | | | | | | | Koordinator Akuisisi Hidrografi | 12.000000 | O.H | |
| | | | | | | | Koordinator Geodesi/Geomatika | 12.000000 | O.H | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 12.000000 | O.H | |
| | | | | | | | Surveyor Geodesi/Geomatika | 12.000000 | O.H | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | | | Kendaraan Roda Empat | 12.000000 | U.H | |
| | | | | | | | Kamera Geotagging | 12.000000 | U.H | |
| | | | | | | | GPS Handheld | 12.000000 | U.H | |
| | | | | | Laptop | 48.000000 | U.H | | | |
| | | | | | PC workstation | 24.000000 | U.H | | | |
| | | | | | Printer | 12.000000 | U.H | | | |
| | | | | | Akomodasi | 60.000000 | U.H | | | |
| b) Jumlah | | | | | | | | | | |
| Bahan | | | | | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|--|---------|------|--|---|--------|----------------|---|---------------------------------|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Survei Pendahuluan (Aksesibilitas Berat dan Cuaca Baik) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | | c) Jumlah | | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | | | | | Set File | Personil | | |
| | | | | | | | | Ketua Tim | 14.000000 | O.H |
| | | | | | | | | Staff Administrasi | 14.000000 | O.H |
| | | | | | | | | Koordinator Akuisisi Hidrografi | 14.000000 | O.H |
| | | | | | | | | Koordinator Geodesi/Geomatika | 14.000000 | O.H |
| | | | | | | | | Surveyor Akuisisi Hidrografi | 14.000000 | O.H |
| | | | | | | | | Surveyor Geodesi/Geomatika | 14.000000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Kapal | 14.000000 | U.H |
| | | | | | | | | Kamera Geotagging | 14.000000 | U.H |
| | | | | | | | | GPS Handheld | 14.000000 | U.H |
| | | | | | | Laptop | 56.000000 | U.H | | |
| | | | | | | PC workstation | 28.000000 | U.H | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|---|---|---------------------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Printer | 14.000000 | U.H |
| | | | | | | Akomodasi | 70.000000 | U.H |
| | | | | | | b) Jumlah | 00 | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesibilitas Sangat Berat dan Cuaca Baik) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | Set File | Personil | | |
| | | | | | Ketua Tim | 16.000000 | O.H | |
| | | | | | Staff Administrasi | 16.000000 | O.H | |
| | | | | | Koordinator Akuisisi Hidrografi | 16.000000 | O.H | |
| | | | | | Koordinator Geodesi/Geomatika | 16.000000 | O.H | |
| | | | | | Surveyor Akuisisi Hidrografi | 16.000000 | O.H | |
| | | | | | Surveyor Geodesi/Geomatika | 16.000000 | O.H | |
| | | | | | Tanaga Lokal | 48.000000 | O.H | |
| | | | | | a) Jumlah | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|-------------|---|---|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kapal | 16.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 16.00000 00 | U.H |
| | | | | | | GPS Handheld | 16.00000 00 | U.H |
| | | | | | | Laptop | 64.00000 00 | U.H |
| | | | | | | PC workstation | 32.00000 00 | U.H |
| | | | | | | Printer | 16.00000 00 | U.H |
| | | | | | | Akomodasi | 80.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesibilitas Rendah dan Cuaca | Dokumen Perizinan survey dan deskripsi keadaan | Set File | Personil | | |
| | | | | | | Ketua Tim | 12.00000 00 | O.H |
| | | | | | | Staff Administrasi | 12.00000 00 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|-------------|----------|--------|---------------------------------|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Buruk) | lapangan | | Koordinator Akuisisi Hidrografi | 12.00000 00 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 12.00000 00 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 12.00000 00 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 12.00000 00 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Kendaraan Roda Empat | 12.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 12.00000 00 | U.H |
| | | | | | | GPS Handheld | 12.00000 00 | U.H |
| | | | | | | Laptop | 48.00000 00 | U.H |
| | | | | | | PC workstation | 24.00000 00 | U.H |
| | | | | | | Printer | 12.00000 00 | U.H |
| | | | | | | Akomodasi | 60.00000 00 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|--|---|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesibilitas Sedang dan Cuaca Buruk) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | Set File | Personil | | |
| | | | | | | Ketua Tim | 15.000000 | O.H |
| | | | | | | Staff Administrasi | 15.000000 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 15.000000 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 15.000000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 15.000000 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 15.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 15.000000 | U.H |
| | | | | | | Kamera Geotagging | 15.000000 | U.H |
| | | | | | | GPS Handheld | 15.000000 | U.H |
| | | | | | | Laptop | 60.000000 | U.H |
| | | | PC workstation | 30.000000 | U.H | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|-------------|--|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Printer | 15.00000 00 | U.H |
| | | | | | | Akomodasi | 75.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesibilitas Berat dan Cuaca Buruk) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | Set File | Personil | | |
| | | | | | | Ketua Tim | 18.00000 00 | O.H |
| | | | | | | Staff Administrasi | 18.00000 00 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 18.00000 00 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 18.00000 00 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 18.00000 00 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 18.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|---|--|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 18.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 18.00000 00 | U.H |
| | | | | | | GPS Handheld | 18.00000 00 | U.H |
| | | | | | | Laptop | 72.00000 00 | U.H |
| | | | | | | PC workstation | 36.00000 00 | U.H |
| | | | | | | Printer | 18.00000 00 | U.H |
| | | | | | | Akomodasi | 90.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Survei Pendahuluan (Aksesibilitas Sangat Berat dan Cuaca Buruk) | Dokumen Perizinan survey dan deskripsi keadaan lapangan | Set File | Personil | | |
| | | | | | | Ketua Tim | 21.00000 00 | O.H |
| | | | | | | Staff Administrasi | 21.00000 00 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 21.00000 00 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|-------------|--------|--------|-------------------------------|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Geodesi/Geomatika | 21.00000 00 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 21.00000 00 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 21.00000 00 | O.H |
| | | | | | | Tanaga Lokal | 63.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 21.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 21.00000 00 | U.H |
| | | | | | | GPS Handheld | 21.00000 00 | U.H |
| | | | | | | Laptop | 84.00000 00 | U.H |
| | | | | | | PC workstation | 42.00000 00 | U.H |
| | | | | | | Printer | 21.00000 00 | U.H |
| | | | | | | Akomodasi | 105.0000 000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|---|---------------------------------|------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.2.2.6 | Demobilisasi Survei Pendahuluan | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | Bahan | | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.2.2.7 | Pelaporan Persiapan | Laporan Pesiapan | Dokumen | Personil | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|--|----------------------------|---|----------------------------|---------|---------------------------------------|---------------------------------|-----------------|--|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.2.3 | Pemeruman Menggunakan SBES | | Teknis | | | Ketua Tim | 3.000000 0 | O.H | | |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H | | |
| | | | | | | Koordinator Geodesi/Geomatika | 3.000000 0 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 12.000000 00 | U.H | | |
| | | | | | | Printer | 3.000000 0 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | ATK | 1.000000 0 | Set | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.2.3 | Pemeruman Menggunakan SBES | D.2.3.1 | Mobilisasi Pemeruman Menggunakan SBES | | | Personil | | |
| | | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | Koordinator Geodesi/Geomatika | 1.000000 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|---------|--|---|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 6.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H |
| | | D.2.3.2 | Persiapan Personil dan Alat Pemerumnan Menggunakan | Kesiapan Personil Dan Alat untuk Pemerumnan | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|-------------|------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | an SBES | Menggunakan SBES | | | 0 | |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Echosounder Single Beam | 1.000000 0 | U.H |
| | | | | | | Software Akuisisi SBES | 1.000000 0 | U.H |
| | | | | | | CTD Profiler/SVP | 1.000000 0 | U.H |
| | | | | | | GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | Sinyal Koreksi | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 2.000000 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|-----------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Software Pengolahan SBES | 1.000000 | U.H |
| | | | | | | Akomodasi | 3.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.3.3 | Pemeruman Menggunakan SBES (Laut Tenang) | Data Mentah Pemeruman SBES | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.025712 | O.H |
| | | | | | | Staff Administrasi | 0.025712 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.025712 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.025712 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 0.025712 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.025712 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 0.025712 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|------------------|--------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 2 | |
| | | | | | | PC Workstation | 0.025712 2 | U.H |
| | | | | | | Kamera Geotagging | 0.025712 2 | U.H |
| | | | | | | Echosounder Single Beam | 0.025712 2 | U.H |
| | | | | | | Software Akuisisi SBES | 0.025712 2 | U.H |
| | | | | | | CTD Profiler/Velocy | 0.025712 2 | U.H |
| | | | | | | GPS Geodetik | 0.025712 2 | U.H |
| | | | | | | Sinyal Koreksi | 0.025712 2 | U.H |
| | | | | | | Peralatan Komunikasi | 0.051424 5 | U.H |
| | | | | | | Akomodasi | 0.102848 9 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemeruman | Data Mentah | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.032140 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|--|---------|------|--------------------------------------|----------------|---------------------------------|-------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Menggunakan SBES (Laut Bergelombang) | Pemeruman SBES | | | 3 | | | |
| | | | | | Staff Administrasi | 0.032140 | O.H | | | |
| | | | | | Koordinator Akuisisi Hidrografi | 0.032140 | O.H | | | |
| | | | | | Koordinator Geodesi/Geomatika | 0.032140 | O.H | | | |
| | | | | | Surveyor Geodesi/Geomatika | 0.032140 | O.H | | | |
| | | | | | Surveyor Akuisisi Hidrografi | 0.032140 | O.H | | | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | Kapal | 0.032140 | U.H | | | |
| | | | | | Kendaraan Roda Empat | 0.032140 | U.H | | | |
| | | | | | PC Workstation | 0.032140 | U.H | | | |
| | | | | | Kamera Geotagging | 0.032140 | U.H | | | |
| | | | | | Echosounder Single Beam | 0.032140 | U.H | | | |
| | | | | | Software Akuisisi SBES | 0.032140 | U.H | | | |
| | | | Bar Check | 0.032140 | U.H | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Geodetik | 0.032140 3 | U.H |
| | | | | | | Sinyal Koreksi | 0.032140 3 | U.H |
| | | | | | | Peralatan Komunikasi | 0.064280 6 | U.H |
| | | | | | | Akomodasi | 0.128561 1 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.3.4 | Pengolahan Data Pemeruman menggunakan SBES | Data Kedalaman yang mengacu pada sounding datum | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.003333 3 | O.H |
| | | | | | | Staff Administrasi | 0.003333 3 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 0.003333 3 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 0.003333 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.010000 0 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|--|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 0.003333 3 | U.H |
| | | | | | | Software Pengolahan SBES | 0.003333 3 | U.H |
| | | | | | | Harddisk External | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 0.006666 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.3.5 | Demobilisasi Pemeruman menggunakan SBES | | | Personil | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|---|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 6.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.3.6 | Pelaporan Pemeruman Menggunakan SBES | Laporan Pemeruman Menggunakan SBES | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|----------------------------|--|---------------------------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.2.4 | Pemeruman Menggunakan MBES | D.2.4.1 | Mobilisasi Pemeruman Menggunakan MBES | | | Alat | | |
| | | | | | | Laptop | 25.000000 | U.H |
| | | | | | | Printer | 5.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Personil | | | | | | |
| | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H | | | | |
| | | Koordinator Geodesi/Geomatika | 1.000000 | O.H | | | | |
| | | Koordinator Pengolahan Data Hidrografi | 1.000000 | O.H | | | | |
| | | Surveyor Pengolahan Data Hidrografi | 1.000000 | O.H | | | | |
| | | Surveyor Geodesi/Geomatika | 1.000000 | O.H | | | | |
| | | Surveyor Hidrografi | 1.000000 | O.H | | | | |
| | | a) Jumlah | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|----------------|---|--|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 6.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | D.2.4.2 | Persiapan Personil dan Alat Pemeruman Menggunakan MBES | Kesiapan Personil Dan Alat untuk Pemeruman Menggunakan MBES | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|-------------|--------|--------|--------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Echosounder Multi Beam | 1.000000 0 | U.H |
| | | | | | | Software Akuisisi SBES | 1.000000 0 | U.H |
| | | | | | | Patch Test | 1.000000 0 | U.H |
| | | | | | | GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | Sinyal Koreksi | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 2.000000 0 | U.H |
| | | | | | | Software Pengolahan SBES | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 3.000000 0 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|-----------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.4.3 | Pemeruman Menggunakan MBES (Laut Tenang) | Data Mentah Pemeruman MBES | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.019284 2 | O.H |
| | | | | | | Staff Administrasi | 0.019284 2 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.019284 2 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.019284 2 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 0.019284 2 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.019284 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 0.019284 2 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.019284 2 | U.H |
| | | | | | | PC Workstation | 0.019284 2 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|---|-----------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 0.019284 2 | U.H |
| | | | | | | Echosounder Multi Beam | 0.019284 2 | U.H |
| | | | | | | Software Akuisisi MBES | 0.019284 2 | U.H |
| | | | | | | Patch Test | 0.019284 2 | U.H |
| | | | | | | GPS Geodetik | 0.019284 2 | U.H |
| | | | | | | Peralatan Komunikasi | 0.038568 3 | U.H |
| | | | | | | Akomodasi | 0.077136 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemeruman Menggunakan MBES (Laut Bergelombang) | Data Mentah Pemeruman MBES | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.024105 2 | O.H |
| | | | | | | Staff Administrasi | 0.024105 2 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.024105 2 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 0.024105 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|-------------|--------|--------|------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 2 | |
| | | | | | | Surveyor Geodesi/Geomatika | 0.024105 2 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.024105 2 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Kapal | 0.024105 2 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.024105 2 | U.H |
| | | | | | | PC Workstation | 0.024105 2 | U.H |
| | | | | | | Kamera Geotagging | 0.024105 2 | U.H |
| | | | | | | Echosounder Multi Beam | 0.024105 2 | U.H |
| | | | | | | Software Akuisisi MBES | 0.024105 2 | U.H |
| | | | | | | Patch Test | 0.024105 2 | U.H |
| | | | | | | GPS Geodetik | 0.024105 2 | U.H |
| | | | | | | Peralatan Komunikasi | 0.048210 4 | U.H |
| | | | | | | Akomodasi | 0.096420 9 | U.H |
| b) Jumlah | | | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|----------------|---|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.4.4 | Pengolahan Data Pemeruman menggunakan MBES | Data Kedalaman yang mengacu pada sounding datum | Line-Km | Personil | | |
| | | | | | | Ketua Tim | 0.005000 0 | O.H |
| | | | | | | Staff Administrasi | 0.005000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 0.005000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 0.005000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.015000 0 | U.H |
| | | | | | | PC Workstation | 0.005000 0 | U.H |
| | | | | | | Software Pengolahan MBES | 0.005000 0 | U.H |
| | | | | | | Akomodasi | 0.010000 0 | U.H |
| | | | | | | b) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|--|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.4.5 | Demobilisasi Pemeruman menggunakan MBES | | | Personil | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Geodesi/Geomatika | 1.000000 0 | O.H |
| | | | | | | Surveyor Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 6.000000 0 | O.K |
| | | | | | | b) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | |
|--|---------|---------|--------------------------------------|------------------------------------|---------|---|----------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | D.2.4.6 | Pelaporan Pemeruman Menggunakan MBES | Laporan Pemeruman Menggunakan MBES | Dokumen | Bahan | | | | | |
| | | | | | | ATK | | Set | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | | | | Personil | | | | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H | | | |
| | | | | | | Staff Administrasi | 5.000000 0 | O.H | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 5.000000 0 | O.H | | | |
| | | | | | | Koordinator Geodesi/Geomatika | 5.000000 0 | O.H | | | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 5.000000 0 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 25.00000 00 | U.H | | | |
| | | | | | | Printer | 5.000000 0 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | 1.000000 | Set | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | | |
|--|----------------------------------|---------|--|------------------------------------|---------|---|---------------|-----------|-----|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | |
| D.2.5 | Pembentukan Topologi dan Poligon | D.2.5.1 | Persiapan Personil dan Alat Pembentukan Topologi dan Poligon | Dokumen kesiapan alat dan personil | Dokumen | | 0 | | | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | | | Personil | | | | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | | | | |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H | | | | |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | | | | | | |
| | | | | | | Laptop | 2.000000 0 | U.H | | | | |
| | | | | | | Printer | 1.000000 0 | U.H | | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H | | | | |
| | | | | | | Software GIS | 2.000000 0 | U.H | | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | | Set | | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | | | D.2.5. | Pembentuk | Geodataba | NLP | Personil | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | |
|--|---------|--|--|--|--------|---|---------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | 2 | an Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | se dengan topologi (clean topology dan Seamless) | | Ketua Tim | 1.000000 0 | O.H | | | |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H | | | |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H | | | |
| | | | | | | Operator SIG | 1.000000 0 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 2.000000 0 | U.H | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H | | | |
| | | | | | | Software GIS | 2.000000 0 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | | Set | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | Pembentuk an Topologi dan Editing Topologi | Geodataba se dengan topologi (clean topology dan | | NLP | Personil | | | | | |
| | | | | | | Ketua Tim | 1.500000 0 | O.H | | | |
| | | | | | | Staf Administrasi | 1.500000 0 | O.H | | | |
| | | | | | | Koordinator SIG | 1.500000 | O.H | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | |
|--|---------|------|---|-----------|--|---|---|-----------------|-----------|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | Seamless) | | | 0 | | | |
| | | | | | | | Operator SIG | 1.500000 | 0 | O.H |
| | | | | | | | a) Jumlah | | | |
| | | | | | | | Alat | | | |
| | | | | | | | Laptop | 3.000000 | 0 | U.H |
| | | | | | | | PC Workstation | 3.000000 | 0 | U.H |
| | | | | | | | Software GIS | 3.000000 | 0 | U.H |
| | | | | | | | b) Jumlah | | | |
| | | | | | | | Bahan | | | |
| | | | | | | | ATK | | | Set |
| | | | | | | | c) Jumlah | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | | | | | | | Ketua Tim | 2.000000 |
| | | | | | | | Staf Administrasi | 2.000000 | 0 | O.H |
| | | | | | | | Koordinator SIG | 2.000000 | 0 | O.H |
| | | | | | | | Operator SIG | 2.000000 | 0 | O.H |
| | | | | | | | a) Jumlah | | | |
| | | | | | | | Alat | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Software GIS | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.5.3 | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | Operator SIG | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | |
|--|---------|---------|--|--|---------|---|-----------|--------|-------------------|---------------|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless) | NLP | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | | | | Operator SIG | 2.000000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | | | | Software GIS | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | D.2.5.4 | Pelaporan Pembentukan | Laporan Pembentukan | Dokumen | Personil | | | | | |
| | | | | | | | | | | Ketua Tim | 2.000000 |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | |
|--|-----------------|---------|----------------------|----------------------|--------|---|------------------------------------|---------|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Topologi dan Poligon | Topologi dan Poligon | | | 0 | | | | |
| | | | | | | Staf Administrasi | 2.000000 | 0 | O.H | | |
| | | | | | | Koordinator SIG | 2.000000 | 0 | O.H | | |
| a) Jumlah | | | | | | | | | | | |
| Alat | | | | | | | | | | | |
| | | | | | | Laptop | 4.000000 | 0 | U.H | | |
| | | | | | | PC Workstation | 2.000000 | 0 | U.H | | |
| | | | | | | Printer | 2.000000 | 0 | U.H | | |
| b) Jumlah | | | | | | | | | | | |
| Bahan | | | | | | | | | | | |
| | | | | | | ATK | 1.000000 | 0 | Set | | |
| c) Jumlah | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | |
| D.2.6 | Pembentukan DTM | D.2.6.1 | | | | Persiapan Personil dan Alat Pembentukan DTM | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | 0 | O.H | | |
| | | | | | | Staf Administrasi | 1.000000 | 0 | O.H | | |
| | | | | | | Koordinator SIG | 1.000000 | 0 | O.H | | |
| a) Jumlah | | | | | | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|---------------|------------------------------------|-----------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.6. | Pembentukan dan Editing DTM | File DTM | | Personil | | |
| | | 2 | | | NLP | Ketua Tim | 4.000000 0 | O.H |
| | | | | | | Staf Administrasi | 4.000000 0 | O.H |
| | | | | | | Koordinator SIG | 4.000000 0 | O.H |
| | | | | | | Operator SIG | 4.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 8.000000 0 | U.H |
| | | | | | | PC Workstation | 8.000000 0 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|----------------------------------|--------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 8.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.6.3 | Pelaporan Pembentukan DTM | Laporan Pembentukan DTM | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | | | | |
|--|--|---------|--|------------------------------------|--------|---|---------------|---------|---|-------------------------------|-----|-------------------|---------------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | |
| D.2.7 | Pembentukan Kontur dan Titik Kedalaman | D.2.7.1 | Persiapan Personil dan Alat Pembentukan Kontur dan Titik Kedalaman | Dokumen kesiapan alat dan personil | | Personil | | | | | | | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H | | | | | | |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H | | | | | | |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | | | | | | | | |
| | | | | | | Laptop | 2.000000 0 | U.H | | | | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H | | | | | | |
| | | | | | | Printer | 1.000000 0 | U.H | | | | | | |
| | | | | | | Software GIS | 2.000000 0 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | | Set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | | | D.2.7.2 | Pembentukan dan Editing Kontur (Topografi | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | | | | | | | Ketua Tim | 6.000000 0 | OH |
| | | | | | | | | | | | | Staf Administrasi | 6.000000 0 | OH |
| | | | | | | | | | | | | Koordinator SIG | 6.000000 | OH |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | |
|--|---------|------|---|-------------------------------|--------|---|----------------|-----------|-------------------|----------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Laut : Landai) | | | | 0 | | | | |
| | | | | | | | Operator SIG | 6.000000 | OH | | |
| | | | | | | | | 0 | | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Laptop | 12.000000 | U.H | | |
| | | | | | | | | 00 | | | |
| | | | | | | | PC Workstation | 12.000000 | U.H | | |
| | | | | | | | | 00 | | | |
| | | | | | | | Software GIS | 12.000000 | U.H | | |
| | | | | | | | | 00 | | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | ATK | | Set | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pembentukan dan Editing Kontur (Topografi Laut : Terjal) | Geodatabase kontur hipsografi | NLP | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 8.000000 | OH |
| | | | | | | | | | | 0 | |
| | | | | | | | | | Staf Administrasi | 8.000000 | OH |
| | | | | | | | | | | 0 | |
| | | | | | | | | | Koordinator SIG | 8.000000 | OH |
| | | | | | | | | | | 0 | |
| | | | | | | | | | Operator SIG | 8.000000 | OH |
| | | | | | | | | | | 0 | |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 16.000000 | U.H | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|------------------------------------|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | PC Workstation | 16.000000 | U.H |
| | | | | | | | 00 | |
| | | | | | | Software GIS | 16.000000 | U.H |
| | | | | | | | 00 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.7.3 | Pembentukan Titik Kedalaman | Geodatabase Spotheight hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | OH |
| | | | | | | | 0 | |
| | | | | | | Staf Administrasi | 2.000000 | OH |
| | | | | | | | 0 | |
| | | | | | | Koordinator SIG | 2.000000 | OH |
| | | | | | | | 0 | |
| | | | | | | Operator SIG | 2.000000 | OH |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | PC Workstation | 4.000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Software GIS | 4.000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|-------------------------|----------------|---|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.7.4 | Pelaporan Pembentukan Kontur dan Titik Kedalaman | Laporan Pembentukan Kontur dan Spotheight | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.2.8 | Penyelarsan Data | D.2.8.1 | Persiapan Personil | Dokumen kesiapan | Dokumen | Personil | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | |
|--|---------|----------------|--|---|--------|-----------------|---|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | dan Alat Penyelaras an Data | alat dan personil | | Ketua Tim | 1.000000 0 | O.H | |
| | | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | | Koordinator SIG | 1.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.8.2 | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | | |
| | | | | | | | Ketua Tim | 2.500000 0 | O.H |
| | | | | | | | Staf Administrasi | 2.500000 0 | O.H |
| | | | | | | | Koordinator SIG | 2.500000 0 | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|--|---|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | : Jarang) | | | Operator SIG | 2.500000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Software GIS | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staf Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator SIG | 5.000000 0 | O.H |
| | | | | | | Operator SIG | 5.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.000000 00 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|------|---|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 10.000000 | U.H |
| | | | | | | Software GIS | 10.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 7.500000 | O.H |
| | | | | | | Staf Administrasi | 7.500000 | O.H |
| | | | | | | Koordinator SIG | 7.500000 | O.H |
| | | | | | | Operator SIG | 7.500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 15.000000 | U.H |
| | | | | | | PC Workstation | 15.000000 | U.H |
| | | | | | | Software GIS | 15.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|--------------------------------------|---|-------------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.8.3 | Edgematching | Geodatabase IG Unsur Laut (Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.200000 0 | O.H |
| | | | | | | Staf Administrasi | 1.200000 0 | O.H |
| | | | | | | Koordinator SIG | 1.200000 0 | O.H |
| | | | | | | Operator SIG | 1.200000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 2.400000 0 | U.H |
| | | | | | | Software GIS | 2.400000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.8.4 | Validasi dan Editing Topologi | Geodatabase final IG unsur laut (Topologic | Geodatabase Final | Personil | | |
| | | | | | | Ketua Tim | 2.500000 0 | OH |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|---------|------------------------------|----------------------------|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | ally cleaned) | | Staf Administrasi | 2.500000 0 | OH |
| | | | | | | Koordinator SIG | 2.500000 0 | OH |
| | | | | | | Operator SIG | 2.500000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Software GIS | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.8.5 | Pelaporan Penyelaras an Data | Laporan Penyelaras an Data | Dokume n | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | | | | |
|--|--------------------|-----------|-------------|--------|--------|---|--|------------------------------------|---------|-----------------|---------------|-----|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | |
| D.2.9 | Pembuatan Metadata | | | | | Laptop | 4.000000 0 | U.H | | | | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H | | | | | | |
| | | | | | | Printer | 2.000000 0 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | D.2.9.1 | Persiapan Personil dan Alat Pembuatan Metadata | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | | |
| | | | | | | | | | | Ketua Tim | 1.000000 0 | O.H | | |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H | | | | | | |
| | | | | | | Koordinator SIG | 1.000000 0 | O.H | | | | | | |
| | | a) Jumlah | | | | | | | | | | | | |
| | | Alat | | | | | | | | | | | | |
| | | | | | | Laptop | 2.000000 0 | U.H | | | | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H | | | | | | |
| | | | | | | Printer | 1.000000 0 | U.H | | | | | | |
| | | | | | | Software GIS | 2.000000 | U.H | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------|---------------------------|--|-------------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 2.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.9.2 | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatabase | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | OH |
| | | | | | | Staf Administrasi | 1.000000 0 | OH |
| | | | | | | Koordinator SIG | 1.000000 0 | OH |
| | | | | | | Operator SIG | 1.000000 0 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---|---|---|----------------------------|---|---|---------------|-----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.2.10. | Penyajian kartografis peta batimetri Kedalama | D.2.9.3 | Pelaporan Metadata | Laporan Pembuatan Metadata | Dokumen | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator SIG | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | PC Workstation | 2.000000 0 | U.H | | | | |
| | | Printer | 2.000000 0 | U.H | | | | |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | ATK | 1.000000 0 | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.2.10. | Penyajian kartografis peta batimetri Kedalama | D.2.10.1 | Persiapan Personil dan Alat Penyajian Kartografis | Basisdata Kartografi | Gdb | Personil |
| Ketua Tim | 1.000000 0 | | | | | | | O.H |
| Staff Administrasi | 1.000000 0 | | | | | | | O.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | | | |
|--|-------------------|--------------|---------------------------------|----------------------|--------|------------------------|---------------|--------|--|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | |
| | n Besar dari 200m | D.2.1 0.2 | Kedalaman Besar dari 200m | | | Koordinator Kartografi | 1.000000 0 | O.H | | | | | |
| a) Jumlah | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | |
| Laptop | | | | | | | | | | | | | |
| 3.000000 0 U.H | | | | | | | | | | | | | |
| PC workstation | | | | | | | | | | | | | |
| 1.000000 0 U.H | | | | | | | | | | | | | |
| Plotter | | | | | | | | | | | | | |
| 1.000000 0 U.H | | | | | | | | | | | | | |
| Printer | | | | | | | | | | | | | |
| 1.000000 0 U.H | | | | | | | | | | | | | |
| Software Desain Grafis | | | | | | | | | | | | | |
| 1.000000 0 U.H | | | | | | | | | | | | | |
| Software Kartografis berbasis GIS | | | | | | | | | | | | | |
| 1.000000 0 U.H | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | |
| | | | Penyusunan Basisdata Kartografi | Basisdata Kartografi | Gdb | Personil | | | | | | | |
| Ketua Tim | | | | | | | | | | | | | |
| 0.357142 9 O.H | | | | | | | | | | | | | |
| Staff Administrasi | | | | | | | | | | | | | |
| 0.357142 9 O.H | | | | | | | | | | | | | |
| Koordinator Kartografi | | | | | | | | | | | | | |
| 0.357142 9 O.H | | | | | | | | | | | | | |
| Operator Kartografi | | | | | | | | | | | | | |
| 0.357142 9 O.H | | | | | | | | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|--------------|--|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.071428 6 | U.H |
| | | | | | | PC workstation | 0.357142 9 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.714285 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.3 | Penyusunan Cartographic Driven Table | Cartographic Driven Table | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.071428 6 | O.H |
| | | | | | | Staff Administrasi | 0.071428 6 | O.H |
| | | | | | | Koordinator Kartografi | 0.071428 6 | O.H |
| | | | | | | Operator Kartografi | 0.071428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.214285 7 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|--------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC workstation | 0.071428 6 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.142857 1 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.4 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.571428 6 | O.H |
| | | | | | | Staff Administrasi | 0.571428 6 | O.H |
| | | | | | | Koordinator Kartografi | 0.571428 6 | O.H |
| | | | | | | Operator Kartografi | 0.571428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.714285 7 | U.H |
| | | | | | | PC workstation | 0.571428 6 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.142857 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|--------------|-----------------------|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 1 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.5 | Editing kartografi | Pengaturan dan perubahan dalam layout sesuai standar kartografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.285714 3 | O.H |
| | | | | | | Staff Administrasi | 1.285714 3 | O.H |
| | | | | | | Koordinator Kartografi | 1.285714 3 | O.H |
| | | | | | | Operator Kartografi | 1.285714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.857142 9 | U.H |
| | | | | | | PC workstation | 1.285714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 2.571428 6 | U.H |
| | | | | | | b) Jumlah | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|--------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.2.1 0.6 | Pencetakan Coba Hasil Layout Kartografis Peta Batimetri Kedalaman Besar dari 200m | Hasil cetak coba separasi warna, Hasil cetak coba peta LPI | NLP | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.035714 3 | O.H |
| | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |
| | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | PC workstation | 0.035714 3 | U.H |
| | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | Bahan | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------------|--|--|--------|---|---------------|------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | Lemb ar |
| | | | | | | Tinta Plotter | 0.000200 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.7 | Pencetak an Draft Layout Kartografis Peta Batimetri Kedalaman Besar dari 200m | hasil draft peta tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.035714 3 | O.H |
| | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |
| | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | PC workstation | 0.035714 3 | U.H |
| | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------------|--|---|--------|---|---------------|------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | Lemb ar |
| | | | | | | Tinta Plotter | 0.000200 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.8 | Pencetakan Peta Batimetri Kedalaman Besar dari 200m | hasil peta bathimetri Kedalaman Besar dari 200m tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.035714 3 | O.H |
| | | | | | | Staff Administrasi | 0.035714 3 | O.H |
| | | | | | | Koordinator Kartografi | 0.035714 3 | O.H |
| | | | | | | Operator Kartografi | 0.035714 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.107142 9 | U.H |
| | | | | | | PC workstation | 0.035714 3 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|--|---------|----------------------|---|--|-------------|---|---------------|------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Plotter | 0.035714 3 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.071428 6 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | Lemb ar |
| | | | | | | Tinta Plotter/printer | 0.000200 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.2.1 0.9 | Pelaporan Penyajian kartografis peta Batimetri Kedalaman Besar dari 200m | Laporan Penyajian kartografi s peta bathimetr i Kedalama n Besar dari 200m, Album peta (draft dan | Dokume n | Personil | | |
| | | | | | | Ketua Tim | 1.571428 6 | O.H |
| | | | | | | Staff Administrasi | 1.571428 6 | O.H |
| | | | | | | Koordinator Kartografi | 1.571428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.714285 7 | U.H |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | | | | | | | |
|--|-----------|--------------------|---------------|------------------------------|--------|---|----------------------|--------------|----------------------|----------------------|-------------|-------------------|---------------|------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | |
| D.2.1 1. | Pelaporan | | | akhir), soft copy data | | Printer | 1.571428 6 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | D.2.1 1.1 | Kompilasi Laporan | D.2.1 1.1 | Kompilasi Laporan | Kompilasi Laporan | Dokume n | Personil | | |
| | | | | | | | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | | | | | | | Staf Administrasi | 5.000000 0 | O.H. |
| | | | | | | | | | | | | a) Jumlah | | |
| | | Alat | | | | | | | | | | | | |
| | | Laptop | 5.000000 0 | U.H. | | | | | | | | | | |
| | | Printer | 5.000000 0 | U.H. | | | | | | | | | | |
| | | Scanner | 5.000000 0 | U.H. | | | | | | | | | | |
| | | b) Jumlah | | | | | | | | | | | | |
| | | Bahan | | | | | | | | | | | | |
| | | ATK | 2.000000 0 | Set | | | | | | | | | | |
| | | Harddisk Eksternal | 2.000000 | Set | | | | | | | | | | |

| D.2 Survei Hidrografi Kedalaman Besar Dari 200 m | | | | | | | | |
|---|----------------|-------------|--------------------|---------------|---------------|--------------------|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kertas HVS A4 | 2.000000 0 | RIM |
| | | | | | | Tinta Printer | 1.000000 0 | Paket |
| | | | | | | Penjilidan | 3.000000 0 | Rangk ap |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |



Analisa Biaya Keluaran Kegiatan

y. Pemetaan Garis Pantai Menggunakan Wahana UAV

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pemetaan Garis Pantai Menggunakan Wahana UAV dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemetaan Garis Pantai Menggunakan Wahana UAV:

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktifitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktifitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Pemetaan Garis Pantai Menggunakan Wahana UAV:

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|---|-----------------------|---|--|--|--|--|------------------|--------------------|-----------|------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.5.1. | Persiapan Umum | D.5.1.1 | Pengurusan Surat Izin dan Administrasi dan Izin Survey Lapangan | Dokumen Surat Izin dan Administrasi | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H. | | |
| | | | | | | staff Administrasi | 2.0000000 | O.H. | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Kendaraan Roda Empat | 2.0000000 | U.H. | | |
| | | | | | | Laptop | 4.0000000 | U.H. | | |
| | | | | | | Scanner | 2.0000000 | U.H. | | |
| | | | | | | Printer | 2.0000000 | U.H. | | |
| | | | | | | b) Jumlah | | | | |
| | | Bahan | | | | | | | | |
| | | ATK | 1.0000000 | Set | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | D.5.1.2 | Penyusunan Rencana Kerja Kegiatan | Dokumen Rencana Detail Kerja Kegiatan | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 2.0000000 | O.H. |
| | | | | | | | | staff Administrasi | 2.0000000 | O.H. |
| Koordinator Akuisisi Hidrografi | 0.8000000 | | | | | | | O.H. | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|--|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pengolahan Data Foto Udara WUNA | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.800000 0 | O.H. |
| | | | | | | Koordinator Intepretasi dan Deliniasi Garis pantai | 0.800000 0 | O.H. |
| | | | | | | Koordinator Pembuatan Metadata | 0.800000 0 | O.H. |
| | | | | | | Koordinator Kartografi | 0.800000 0 | O.H. |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 12.000000 00 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner | 2.000000 0 | U.H. |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|------------------------------------|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1.3 | Penyiapan Personil Dan Alat | Dokumen Report Kelengkapan Personil Dan Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.000000 0 | O.H. |
| | | | | | | staff Administrasi | 4.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 4.000000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Titik Kontrol WUNA | 4.000000 0 | O.H. |
| | | | | | | Koordinator Pengolahan Data Foto Udara WUNA | 4.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1.4 | Pelaporan Persiapan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|------------------|---|--|--|---------|-------------------|-----------------|--------|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| D.5.2. | Persiapan Survey | | | | | Staf Administrasi | 2.000000 0 | O.H. | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 4.000000 0 | U.H. | |
| | | | | | | Printer | 2.000000 0 | U.H. | |
| | | | | | | Scanner | 2.000000 0 | U.H. | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 2.000000 0 | Set | |
| | | | | | | c) Jumlah | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | D.5.2.1 | Persiapan Personil dan Alat Persiapan Survey | Dokumen Report Kelengkapan Personil Dan Alat | Dokumen | | Personil | | |
| | | Ketua Tim | 1.000000 0 | O.H. | | | | | |
| | | Staf Administrasi | 1.000000 0 | O.H. | | | | | |
| | | Koordinator Pemotretan Udara WUNA | 0.750000 0 | O.H. | | | | | |
| | | Koordinator Pengukuran Premark UAV | 0.750000 0 | O.H. | | | | | |
| | | Koordinator Pengukuran BM Pasut Utama | 0.750000 0 | O.H. | | | | | |
| Koordinator Akuisisi Hidrografi | 0.750000 | O.H. | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|---|--------|-------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | Laptop | | | 2.000000 0 | U.H. |
| | | | | PC Workstation | | | 3.000000 0 | U.H. |
| | | | | GPS Handheld | | | 1.000000 0 | U.H. |
| | | | | Printer | | | 1.000000 0 | U.H. |
| | | | | Scanner | | | 1.000000 0 | U.H. |
| | | | | Kamera Geotagging Non Metric UAV | | | 1.000000 0 | U.H. |
| | | | | Software Kalibrasi | | | 1.000000 0 | U.H. |
| | | | | Papan Catur Kalibrasi Kamera Geotagging | | | 1.000000 0 | U.H. |
| | | | | Software Akuisisi UAV | | | 3.000000 0 | U.H. |
| | | | | Software SIG | | | 3.000000 0 | U.H. |
| | | | | Kamera Geotagging | | | 1.000000 0 | U.H. |
| | | | | Kendaraan Roda Empat | | | 1.000000 0 | U.H. |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | | |
|--|---------|---------|---------------------------|--------------------------|---------|---|---------------|--------|--|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | |
| | | D.5.2.2 | Pengumpulan data sekunder | Data sekunder(pendukung) | Dokumen | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | | | Personil | | | | | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H. | | | | |
| | | | | | | staff Administrasi | 3.000000 0 | O.H. | | | | |
| | | | | | | Koordinator Pemotretan Udara WUNA | 2.250000 0 | O.H. | | | | |
| | | | | | | Koordinator Pengukuran Premark UAV | 2.250000 0 | O.H. | | | | |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 2.250000 0 | O.H. | | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 2.250000 0 | O.H. | | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | | | | | Alat | | | | | | |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H. | | | | |
| | | | | | | PC Workstation | 6.000000 0 | U.H. | | | | |
| | | | | | | Laptop | 6.000000 0 | U.H. | | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | 1.000000 0 | Set | | | | |
| | | | | | | c) Jumlah | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|---|-------------------------------|--------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.2.3 | Mobilisasi Survei Pendahuluan | Tiket Transportasi | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H. |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.750000 0 | O.H. |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H. |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | Tiket Transportasi | 4.000000 0 | Tiket |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.5.2. | Survei | Dokumen | Set | Personil | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|---|-------------------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | 4 | Pendahuluan | Perizinan survey dan deskripsi keadaan lapangan | Dokumen/kecamatan | | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H. |
| | | | | | | Staf Administrasi | 3.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 2.250000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 2.250000 0 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 2.250000 0 | O.H. |
| | | | | | | Koordinator Akuisisi Hidrografi | 2.250000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H. |
| | | | | | | PC Workstation | 6.000000 0 | U.H. |
| | | | | | | GPS Handheld | 3.000000 0 | U.H. |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H. |
| | | | | | | Printer | 3.000000 0 | U.H. |
| | | | | | | Scanner | 3.000000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|----------------|----------------|--|---------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H. |
| | | | | | | Akomodasi | 12.000000 00 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.2.5 | Demobilisasi Survei Pendahuluan | Tiket Transportasi | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H. |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.750000 0 | O.H. |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|-------------------------|--------------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | Tiket Transportasi | 4.000000 0 | Tiket |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.2.6 | Kalibrasi Kamera | Dokumen Report Kalibrasi Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | staff Administrasi | 2.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 2.000000 0 | O.H. |
| | | | | | | Operator Pemotretan Udara WUNA | 2.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 6.000000 0 | U.H. |
| | | | | | | Kamera Geotagging Non Metric | 2.000000 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | UAV | 0 | |
| | | | | | | Software Kalibrasi | 2.000000 0 | U.H. |
| | | | | | | Kamera Geotagging | 2.000000 0 | U.H. |
| | | | | | | Papan Catur Kalibrasi Kamera | 2.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.2.7 | Penyusunan Rencana Jalur Terbang, Penentuan Lokasi GCP, Penentuan Lokasi Penerbangan dan Pendaratan UAV | Peta Rencana Jalur Pemotretan, Titik Kontrol, Lokasi Basecamp, kapal, tenaga lokal dll | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | staff Administrasi | 5.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 3.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 3.750000 0 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 3.750000 0 | O.H. |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.750000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|-----------------------------------|--------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 10.000000 | U.H. |
| | | | | | | PC Workstation | 10.000000 | U.H. |
| | | | | | | Printer | 5.000000 | U.H. |
| | | | | | | Scanner | 5.000000 | U.H. |
| | | | | | | Software Akuisisi UAV | 10.000000 | U.H. |
| | | | | | | Software SIG | 10.000000 | U.H. |
| | | | | | | Kamera Geotagging | 5.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.2.8 | Pelaporan Persiapan Survey | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 1.500000 | O.H. |
| | | | | | | Koordinator Pengukuran Premark UAV | 1.500000 | O.H. |
| | | | | | | Koordinator Pengukuran BM Pasut | 1.500000 | O.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|--|--|---|--------|--------|---|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.5.3. | Pengamatan Pasang Surut Temporer Bacaan Manual | D.5.3.1 | Mobilisasi Pengamatan Pasang Surut Temporer Bacaan Manual | | | Utama | 0 | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.500000 | O.H. | | |
| | | | | | | Staf Administrasi | 2.000000 | O.H. | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 10.000000 | U.H. | | |
| | | | | | | Printer | 2.000000 | U.H. | | |
| | | | | | | Scanner | 2.000000 | U.H. | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.000000 | Set | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | | | Personil | | | | |
| | | Ketua Tim | 0.000000 | O.H. | | | | | | |
| | | Staff Administrasi | 0.000000 | O.H. | | | | | | |
| | | Koordinator Akuisisi Hidrografi | 1.000000 | O.H. | | | | | | |
| | | Koordinator Pengolahan Data Hidrografi | 1.000000 | O.H. | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.3.2 | Persiapan Personil dan Alat Pengamatan Pasang Surut Temporer Bacaan Manual | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---------------------------------------|--------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 1.000000 0 | U.H |
| | | | | | | Teropong | 1.000000 0 | U.H |
| | | | | | | Alat Bantu Penerangan | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Pasut | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.3.3 | Pembuatan Stasiun Pasang Surut | Palem Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.100000 0 | O.H |
| | | | | | | Staff Administrasi | 0.100000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.100000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.100000 | O.H |
| | | | | | | Tenaga Lokal | 0.200000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 0.100000 | U.H |
| | | | | | | Laptop | 0.300000 | U.H |
| | | | | | | PC Workstation | 0.100000 | U.H |
| | | | | | | Akomodasi | 0.400000 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku | 1.000000 | Kg |
| | | | | | | Papan | 1.000000 | Lmbr |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|---------|--|--|---------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.5.3.4 | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.500000 0 | O.H |
| | | | | | | Staff Administrasi | 0.500000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.500000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.500000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 1.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.666666 7 | O.H |
| | | | | | | Staff Administrasi | 0.666666 7 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.666666 7 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 2.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 6.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 2.000000 0 | U.H |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Akomodasi | 4.000000 0 | U.H |
| | | | | | | GPS Handheld | 2.000000 0 | 0 |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 2.000000 0 | U.H |
| | | | | | | Kapal | 2.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| c) Jumlah | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.750000 0 | O.H |
| | | | | | | Staff Administrasi | 0.750000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 9.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | Laptop | 2.250000 0 | U.H |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 5.250000 0 | U.H |
| | | | | | | GPS Handheld | 3.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | Palem/Tide Gauge | 3.000000 0 | U.H | | | |
| | | | Kapal | 3.000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | | | |
| | | | | | | Paku Beton | 0.500000 0 | kg | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|----------------------------------|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Akomodasi | 6.400000 0 | U.H |
| | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 4.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang | Palem/Tide Gauge, Jumlah Mengikuti SNI | Stasiun | Personil | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|---|-------------------------|--------|------------------|-----------|---------------------------------|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Surut (Aksesibilitas Sedang Dan Topografi Pantai Baik) | Instalasi Stasiun Pasut | | | | | | |
| | | | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | | | Staff Administrasi | 0.6666667 | O.H |
| | | | | | | | | Koordinator Akuisisi Hidrografi | 0.6666667 | O.H |
| | | | | | | | | Surveyor Akuisisi Hidrografi | 2.0000000 | O.H |
| | | | | | | | | Tenaga Lokal | 6.0000000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Kamera Geotagging | 2.0000000 | U.H |
| | | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | | | Akomodasi | 4.0000000 | U.H |
| | | | | | | | | GPS Handheld | 2.0000000 | U.H |
| | | | | | | | | Kendaraan Roda Empat | 2.0000000 | U.H |
| | | | | | | Palem/Tide Gauge | 2.0000000 | U.H | | |
| | | | | | | Kapal | 2.0000000 | U.H | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | | | |
| | | | | | | Paku Beton | 0.500000 0 | kg | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sedang Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.750000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.750000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 9.000000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | | | | Laptop | 2.250000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 5.250000 0 | U.H |
| | | | | | | GPS Handheld | 3.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 3.000000 0 | U.H |
| | | | | | | Kapal | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | Stasiun | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|--------------------------------------|--------|--------|---------------------------------|------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | s Sedang Dan Topografi Pantai Berat) | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | | Akomodasi | 6.400000 0 | U.H |
| | | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | | Palem/Tide Gauge | 4.000000 0 | U.H |
| | | | | | | | Kapal | 4.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | |
| | | | | | | Paku Beton | 0.500000 | kg | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sedang Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.833333 3 | O.H |
| | | | | | | Staff Administrasi | 0.833333 3 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.833333 3 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 15.000000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 5.000000 0 | U.H |
| | | | | | | Laptop | 2.500000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Akomodasi | 7.500000 0 | U.H |
| | | | | | | GPS Handheld | 5.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 5.000000 0 | U.H |
| | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.750000 0 | O.H |
| | | | | | | Staff Administrasi | 0.750000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 9.000000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | Laptop | 2.250000 0 | U.H |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 5.250000 0 | U.H |
| | | | | | | GPS Handheld | 3.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 3.000000 0 | U.H |
| | | | | | | Kapal | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|--|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | | | | Akomodasi | 17.600000 00 | U.H |
| | | | | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H | | | |
| | | | | | | Palem/Tide Gauge | 4.000000 0 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|---|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | Kapal | 4.000000 0 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | | | |
| | | | | | | Paku Beton | 0.500000 0 | kg | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 15.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 5.000000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|----------------------------------|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Akomodasi | 22.000000 00 | U.H |
| | | | | | | GPS Handheld | 5.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 5.000000 0 | U.H |
| | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.857142 9 | O.H |
| | | | Pemasangan Stasiun Pasang | Palem/Tide Gauge, Jumlah Mengikuti SNI | Stasiun | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|--|-------------------------|-----------|--------------------|---------------------------------|------------|-----|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Surut (Aksesibilitas Berat Dan Topografi Pantai Sangat Berat) | Instalasi Stasiun Pasut | | Staff Administrasi | 0.8571429 | O.H | | |
| | | | | | | | Koordinator Akuisisi Hidrografi | 1.7142857 | O.H | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 6.0000000 | O.H | |
| | | | | | | | Tenaga Lokal | 18.0000000 | O.H | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |
| | | | | | | | Kamera Geotagging | 6.0000000 | U.H | |
| | | | | | | | Laptop | 3.4285714 | U.H | |
| | | | | | | | PC Workstation | 6.0000000 | U.H | |
| | | | | | | | Akomodasi | 26.5714286 | U.H | |
| | | | | | | | GPS Handheld | 6.0000000 | U.H | |
| | | | | | | | Kendaraan Roda Empat | 6.0000000 | U.H | |
| | | | | | | | Palem/Tide Gauge | 6.0000000 | U.H | |
| | | | | | | | Kapal | 6.0000000 | U.H | |
| b) Jumlah | | | | | | | | | | |
| Bahan | | | | | | | | | | |
| | | | | | Paku Kayu | 0.5000000 | kg | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|---|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | Paku Beton | 0.500000 0 | kg | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H | | | |
| | | | | | | Akomodasi | 17.600000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 4.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.833333 3 | O.H |
| | | | | | | Staff Administrasi | 0.833333 3 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.833333 3 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|--------------------------|--------|--------|------------------------------|----------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Topografi Pantai Sedang) | | | Surveyor Akuisisi Hidrografi | 5.000000 0 | O.H | |
| | | | | | | | Tenaga Lokal | 15.000000 00 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Kamera Geotagging | 5.000000 0 | U.H |
| | | | | | | | Laptop | 2.500000 0 | U.H |
| | | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | | Akomodasi | 21.66666 67 | U.H |
| | | | | | | | GPS Handheld | 5.000000 0 | U.H |
| | | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | | Palem/Tide Gauge | 5.000000 0 | U.H |
| | | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg | |
| | | | | | | Kawat | 0.500000 | kg | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.857142 9 | O.H |
| | | | | | | | | | Staff Administrasi | 0.857142 9 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.714285 7 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 6.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 18.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 6.000000 0 | U.H |
| | | | | | | | | | Laptop | 3.428571 4 | U.H |
| | | | | | | | | | PC Workstation | 6.000000 0 | U.H |
| | | | | | | | | | Akomodasi | 26.57142 86 | U.H |
| | | | | | | | | | GPS Handheld | 6.000000 0 | U.H |
| | | | | | | | | | Kendaraan Roda Empat | 6.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Palem/Tide Gauge | 6.000000 | U.H |
| | | | | | | Kapal | 6.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 | kg |
| | | | | | | Paku Beton | 0.500000 | kg |
| | | | | | | Kawat | 0.500000 | kg |
| | | | | | | Kayu Reng | 4.000000 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.875000 | O.H |
| | | | | | | Staff Administrasi | 0.875000 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.750000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.750000 | O.H |
| | | | | | | Tenaga Lokal | 21.000000 | O.H |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 7.000000 0 | U.H |
| | | | | | | Laptop | 3.500000 0 | U.H |
| | | | | | | PC Workstation | 5.250000 0 | U.H |
| | | | | | | Akomodasi | 5.250000 0 | U.H |
| | | | | | | GPS Handheld | 7.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 7.000000 0 | U.H |
| | | | | | | Palem/Tide Gauge | 7.000000 0 | U.H |
| | | | | | | Kapal | 7.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|----------------|----------------|---------------------------------------|--|---------------|---------------------------------|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.5.3.5 | Pengamatan Pasang Surut Manual | Data Pengamatan Pasang Surut harian dan bulanan | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 45.000000 | O.H |
| | | | | | | Staff Administrasi | 45.000000 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 45.000000 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 45.000000 | O.H |
| | | | | | | Tenaga Lokal | 135.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 135.000000 | U.H |
| | | | | | | PC Workstation | 45.000000 | U.H |
| | | | | | | Kendaraan Roda Empat | 2.000000 | U.H |
| | | | | | | Kapal | 2.000000 | U.H |
| | | | | | | Akomodasi | 180.000000 | U.H |
| | | | | | | Alat Bantu Penerangan | 45.000000 | U.H |
| | | | | | | Kamera Geotagging | 45.000000 | U.H |
| | | | | | | Peralatan Komunikasi | 45.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Teropong | 45.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.3.6 | Pengolahan Data Pengamatan Pasang Surut | Kedudukan Muka Laut (HAT,MSL,LAT), Cotidal Chart,Koreksi Kedalaman | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 3.000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 3.000000 | O.H |
| | | | | | | Staff Administrasi | 3.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 | U.H |
| | | | | | | Akomodasi | 12.000000 | U.H |
| | | | | | | Laptop | 9.000000 | U.H |
| | | | | | | PC Workstation | 3.000000 | U.H |
| | | | | | | Software Pengolahan Pasut | 3.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.3.7 | Demobilisasi Pengamatan Pasang Surut Temporer Bacaan Manual | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 6.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---|----------------|---|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.3.8 | Pelaporan Pengamatan Pasang Surut Temporer Bacaan Manual | Laporan Pengamatan Pasang Surut | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.000000 0 | U.H |
| | | | | | | Printer | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.4. | Pengamatan Pasang Surut Temporer | D.5.4.1 | Mobilisasi Pengamatan Pasang Surut Temporer | Palem Pasut | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|-----------------|---------|-----------------|--|-------------|---------------------------------|---|--|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | Bacaan Otomatis | | Bacaan Otomatis | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H | | | |
| | | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H | |
| | | | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H | |
| | | | | | | | | Tiket Transportasi | 6.000000 0 | U.H | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | c) Jumlah | | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | D.5.4.2 | | Persiapan Personil dan Alat Pengamatan Pasang Surut Temporer | Palem Pasut | Stasiun | Personil | | | | |
| | | | | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|------------------------|--------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Bacaan Otomatis | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 1.000000 0 | U.H |
| | | | | | | Teropong | 1.000000 0 | U.H |
| | | | | | | Alat Bantu Penerangan | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan Pasut | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.4.3 | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.500000 0 | O.H |
| | | | | | | Staff Administrasi | 0.500000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.500000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | Akomodasi | 2.500000 0 | U.H |
| | | | | | | GPS Handheld | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.666666 7 | O.H |
| | | | | | | Staff Administrasi | 0.666666 7 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.666666 7 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 2.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 6.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 2.000000 0 | U.H |
| | | | | | | Akomodasi | 4.000000 0 | U.H |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | GPS Handheld | 2.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 2.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|--|---------|---------------------------------|---------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | Ketua Tim | 0.750000 0 | O.H | | | |
| | | | | | | Staff Administrasi | 0.750000 0 | O.H | | | |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H | | | |
| | | | | | | Surveyor Akuisisi Hidrografi | 3.000000 0 | O.H | | | |
| | | | | | | Tenaga Lokal | 9.000000 0 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H | | | |
| | | | | | | Laptop | 2.250000 0 | U.H | | | |
| | | | | | | PC Workstation | 3.000000 0 | U.H | | | |
| | | | | | | Akomodasi | 5.250000 0 | U.H | | | |
| | | | | | | GPS Handheld | 3.000000 0 | U.H | | | |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H | | | |
| | | | | | | AWLR | 1.000000 0 | U.H | | | |
| | | | | | | Kapal | 3.000000 0 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | | | |
| | | | | | | Paku Beton | 0.500000 0 | kg | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Rendah Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | | | | Laptop | 2.400000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Akomodasi | 6.400000 0 | U.H |
| | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesbilita | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.666666 7 | O.H |
| | | | | | | Staff Administrasi | 0.666666 7 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|-------------------------------------|--------|--------|---------------------------------|------------------------------|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | s Sedang Dan Topografi Pantai Baik) | | | Koordinator Akuisisi Hidrografi | 0.6666667 | O.H | |
| | | | | | | | Surveyor Akuisisi Hidrografi | 2.0000000 | O.H |
| | | | | | | | Tenaga Lokal | 6.0000000 | O.H |
| a) Jumlah | | | | | | | | | |
| Alat | | | | | | | | | |
| | | | | | | | Kamera Geotagging | 2.0000000 | U.H |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | | Akomodasi | 4.0000000 | U.H |
| | | | | | | | GPS Handheld | 2.0000000 | U.H |
| | | | | | | | Kendaraan Roda Empat | 2.0000000 | U.H |
| | | | | | | | AWLR | 1.0000000 | U.H |
| | | | | | | | Kapal | 2.0000000 | U.H |
| b) Jumlah | | | | | | | | | |
| Bahan | | | | | | | | | |
| | | | | | | Paku Kayu | 0.5000000 | kg | |
| | | | | | | Paku Beton | 0.5000000 | kg | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|--|---------|---|---------------|--------|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | Kawat | 0.500000 0 | kg | | | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sedang Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.750000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.750000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 9.000000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | | | | Laptop | 2.250000 0 | U.H |
| | | | | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 5.250000 0 | U.H | | | |
| | | | | | | GPS Handheld | 3.000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | | | | 0 | | |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H | |
| | | | | | | AWLR | 1.000000 0 | U.H | |
| | | | | | | Kapal | 3.000000 0 | U.H | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg | |
| | | | | | | Paku Beton | 0.500000 0 | kg | |
| | | | | | | Kawat | 0.500000 0 | kg | |
| | | | | | | Kayu Reng | 4.000000 0 | Btg | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sedang Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | |
| | | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | | Tenaga Lokal | 12.000000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Akomodasi | 6.400000 0 | U.H |
| | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sedang Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.833333 3 | O.H |
| | | | | | | Staff Administrasi | 0.833333 3 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.833333 3 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 15.000000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 5.000000 0 | U.H |
| | | | | | | Laptop | 2.500000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Akomodasi | 7.500000 0 | U.H |
| | | | | | | GPS Handheld | 5.000000 0 | U.H |
| | | | Alat Pertukangan | 0.000000 0 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.750000 0 | O.H |
| | | | | | | Staff Administrasi | 0.750000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 0.750000 0 | O.H |
| | | | | | | Tenaga Lokal | 9.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | Laptop | 2.250000 0 | U.H |
| | | | | | | PC Workstation | 0.750000 0 | U.H |
| | | | | | | Akomodasi | 3.000000 0 | U.H |
| | | | | | | GPS Handheld | 3.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 | Btg |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|---|---------|---|-----------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | | | | Laptop | 3.000000 0 | U.H |
| | | | | | | | | | PC Workstation | 1.000000 0 | U.H |
| | | | | | | | | | Akomodasi | 4.000000 0 | U.H |
| | | | | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.833333 3 | O.H |
| | | | | | | Staff Administrasi | 0.833333 3 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.833333 3 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 5.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 15.000000 00 | O.H |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 5.000000 0 | U.H |
| | | | | | | Laptop | 2.500000 0 | U.H |
| | | | | | | PC Workstation | 5.000000 0 | U.H |
| | | | | | | Akomodasi | 7.500000 0 | U.H |
| | | | | | | GPS Handheld | 5.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 5.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|--|---------|---|-----------|--------|---------------------------------|------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Berat Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.8571429 | O.H |
| | | | | | | | | | Staff Administrasi | 0.8571429 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.7142857 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 6.0000000 | O.H |
| | | | | | | | | | Tenaga Lokal | 18.0000000 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 6.0000000 | U.H |
| | | | | | | | | | Laptop | 3.4285714 | U.H |
| | | | | | | | | | PC Workstation | 6.0000000 | U.H |
| | | | | | | | | | Akomodasi | 9.4285714 | U.H |
| | | | | | | | | | GPS Handheld | 6.0000000 | U.H |
| | | | | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat | 6.0000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 6.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Baik) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.800000 0 | O.H |
| | | | | | | Staff Administrasi | 0.800000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.800000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 4.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 12.000000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 4.000000 0 | U.H |
| | | | | | | Laptop | 2.400000 0 | U.H |
| | | | | | | PC Workstation | 4.000000 0 | U.H |
| | | | | | | Akomodasi | 6.400000 0 | U.H |
| | | | | | | GPS Handheld | 4.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 4.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 4.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| c) Jumlah | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--|---------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Sedang) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.8333333 | O.H |
| | | | | | | Staff Administrasi | 0.8333333 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.8333333 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 5.0000000 | O.H |
| | | | | | | Tenaga Lokal | 15.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 5.0000000 | U.H |
| | | | | | | Laptop | 2.5000000 | U.H |
| | | | | | | PC Workstation | 5.0000000 | U.H |
| | | | | | | Akomodasi | 7.5000000 | U.H |
| | | | | | | GPS Handheld | 5.0000000 | U.H |
| | | | | | | Alat Pertukangan | 0.0000000 | U.H |
| | | | Kendaraan Roda Empat | 5.0000000 | U.H | | | |
| | | | AWLR | 1.0000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|---|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kapal | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.857142 9 | O.H |
| | | | | | | Staff Administrasi | 0.857142 9 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.714285 7 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 6.000000 0 | O.H |
| | | | | | | Tenaga Lokal | 18.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|----------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 6.000000 0 | U.H |
| | | | | | | Laptop | 3.428571 4 | U.H |
| | | | | | | PC Workstation | 6.000000 0 | U.H |
| | | | | | | Akomodasi | 9.428571 4 | U.H |
| | | | | | | GPS Handheld | 6.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 6.000000 0 | U.H |
| | | | | | | AWLR | 1.000000 0 | U.H |
| | | | | | | Kapal | 6.000000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| c) Jumlah | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|--|---------|---|---------------|--------|---------------------------------|-----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pemasangan Stasiun Pasang Surut (Aksesibilitas Sangat Berat Dan Topografi Pantai Sangat Berat) | Palem/Tide Gauge, Jumlah Mengikuti SNI Instalasi Stasiun Pasut | Stasiun | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.875000 0 | O.H |
| | | | | | | | | | Staff Administrasi | 0.875000 0 | O.H |
| | | | | | | | | | Koordinator Akuisisi Hidrografi | 1.750000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi Hidrografi | 7.000000 0 | O.H |
| | | | | | | | | | Tenaga Lokal | 21.000000 00 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Kamera Geotagging | 7.000000 0 | U.H |
| | | | | | | | | | Laptop | 3.500000 0 | U.H |
| | | | | | | | | | PC Workstation | 7.000000 0 | U.H |
| | | | | | | | | | Akomodasi | 10.500000 00 | U.H |
| | | | | | | | | | GPS Handheld | 7.000000 0 | U.H |
| | | | | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 7.000000 0 | U.H | | | |
| | | | | | | AWLR | 1.000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kapal | 7.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Paku Kayu | 0.500000 0 | kg |
| | | | | | | Paku Beton | 0.500000 0 | kg |
| | | | | | | Kawat | 0.500000 0 | kg |
| | | | | | | Kayu Reng | 4.000000 0 | Btg |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.4.4 | Pengamatan Pasang Surut Otomatis Utama | Data Pengamatan Pasang Surut harian dan bulanan | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 8.181818 2 | O.H |
| | | | | | | Staff Administrasi | 8.181818 2 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 16.36363 64 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 90.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 18.00000 00 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|--|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 32.72727 27 | U.H |
| | | | | | | PC Workstation | 90.00000 00 | U.H |
| | | | | | | Akomodasi | 106.3636 364 | U.H |
| | | | | | | Kapal | 18.00000 00 | U.H |
| | | | | | | Kamera Geotagging | 18.00000 00 | U.H |
| | | | | | | Peralatan Komunikasi | 18.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengamatan Pasang Surut Otomatis Bantu | Data Pengamatan Pasang Surut harian dan bulanan | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 0.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 45.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat | 9.000000 0 | U.H |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | PC Workstation | 45.000000 00 | U.H |
| | | | | | | Akomodasi | 45.000000 00 | U.H |
| | | | | | | Kapal | 9.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 9.000000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 9.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.4.5 | Pengolahan Data Pengamatan Pasang Surut Otomatis | Kedudukan Muka Laut (HAT,MSL,LAT), Cotidal Chart,Koreksi Kedalaman | Stasiun | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | Akomodasi | 12.000000 00 | U.H |
| | | | | | | Laptop | 9.000000 0 | U.H |
| | | | | | | PC Workstation | 3.000000 0 | U.H |
| | | | | | | Software Pengolahan Pasut | 3.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.4.6 | Demobilisasi Pengamatan Pasang Surut Temporer Otomatis | | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan Data Hidrografi | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi Hidrografi | 1.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|----------------|----------------|--|--|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 4.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.4.7 | Pelaporan Pengamatan Pasang Surut Temporer Otomatis | Laporan Pengamatan Pasang Surut | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 0 | O.H |
| | | | | | | Koordinator Akuisisi Hidrografi | 3.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Data Hidrografi | 3.000000 0 | O.H |
| | | | | | | Staff Administrasi | 3.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.000000 0 | U.H |
| | | | | | | Printer | 3.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|------------------------|---------|--|--------|--------|---|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.5.5. | Pengukuran Premark UAV | D.5.5.1 | Persiapan Personil Dan Alat Pengukuran Premark | | | | 0 | | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.000000 | Set | | |
| | | | | | | | 0 | | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | | | Personil | | | | |
| | | | | | | Ketua Tim | 0.000000 | O.H | | |
| | | | | | | | 0 | | | |
| | | | | | | Staf Administrasi | 0.000000 | O.H | | |
| | | | | | | | 0 | | | |
| | | | | | | Koordinator Pengukuran Premark UAV | 1.000000 | O.H | | |
| | | | | | | | 0 | | | |
| | | | | | | Surveyor Akuisisi | 1.000000 | O.H | | |
| | | | | | | | 0 | | | |
| | | | | | | a) Jumlah | | | | |
| Alat | | | | | | | | | | |
| Laptop | 2.000000 | U.H | | | | | | | | |
| | 0 | | | | | | | | | |
| Printer | 1.000000 | U.H | | | | | | | | |
| | 0 | | | | | | | | | |
| Kamera Geotagging | 1.000000 | U.H | | | | | | | | |
| | 0 | | | | | | | | | |
| GPS Handheld dan Kelengkapannya | 1.000000 | U.H | | | | | | | | |
| | 0 | | | | | | | | | |
| GPS Geodetik dan Kelengkapannya | 1.000000 | U.H | | | | | | | | |
| | 0 | | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|---------------|-------------------|--------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Peralatan Komunikasi | 1.000000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 1.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.5. | Mobilisasi | | | Personil | | |
| | | 2 | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi | 3.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--------------------------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.5.3 | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan aksesibilitas rendah, cuaca baik) | Premark terpasang dan terukur | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.041666 7 | O.H |
| | | | | | | Surveyor Akuisisi (Base) | 0.083333 3 | O.H |
| | | | | | | Surveyor Akuisisi (Rover) | 0.083333 3 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 0.166666 7 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.208333 3 | U.H |
| | | | | | | Kamera Geotagging | 0.083333 3 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|---|--------------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.083333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.083333 3 | U.H |
| | | | | | | Peralatan Komunikasi | 0.083333 3 | U.H |
| | | | | | | Akomodasi | 0.208333 3 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.083333 3 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kawat Ikat | 0.025000 0 | kg |
| | | | | | | Kayu Reng | 0.500000 0 | m |
| | | | | | | Plastik Terpal | 7.065000 0 | m2 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan aksesibilitas sedang, | Premark terpasang dan terukur | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.050000 0 | O.H |
| | | | | | | Surveyor Akuisisi (Base) | 0.100000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------|--------|--------|---------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | cuaca baik) | | | Surveyor Akuisisi (Rover) | 0.100000 0 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 0.200000 0 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 0.250000 0 | U.H |
| | | | | | | Kamera Geotagging | 0.100000 0 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.200000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.100000 0 | U.H |
| | | | | | | Peralatan Komunikasi | 0.100000 0 | U.H |
| | | | | | | Akomodasi | 0.250000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.100000 0 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | Kawat Ikat | 0.025000 0 | kg |
| | | | | | | Kayu Reng | 0.500000 0 | m |
| | | | | | | Plastik Terpal | 7.065000 0 | m2 |
| c) Jumlah | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|---|-------------------------------|--------|---|---------------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan aksesibilitas berat, cuaca baik) | Premark terpasang dan terukur | Titik | Personil | | | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H | | |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H | | |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.062500 0 | O.H | | |
| | | | | | | Surveyor Akuisisi (Base) | 0.125000 0 | O.H | | |
| | | | | | | Surveyor Akuisisi (Rover) | 0.125000 0 | O.H | | |
| | | | | | | Pekerja/Buruh Tak Terampil | 0.250000 0 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 0.312500 0 | U.H | | |
| | | | | | | Kamera Geotagging | 0.125000 0 | U.H | | |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.250000 0 | U.H | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.125000 0 | U.H | | |
| | | | | | | Peralatan Komunikasi | 0.125000 0 | U.H | | |
| | | | Akomodasi | 0.312500 0 | U.H | | | | | |
| | | | Kendaraan Roda Empat | 0.125000 | U.H | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--------------------------------------|--------|---|---------------|----------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kawat Ikat | 0.025000 0 | kg |
| | | | | | | Kayu Reng | 0.500000 0 | m |
| | | | | | | Plastik Terpal | 7.065000 0 | m ² |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Premark terpasang dan terukur | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.059523 8 | O.H |
| | | | | | | Surveyor Akuisisi (Base) | 0.119047 6 | O.H |
| | | | | | | Surveyor Akuisisi (Rover) | 0.119047 6 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 0.238095 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.297619 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--------------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 0.1190476 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.1190476 | U.H |
| | | | | | | Peralatan Komunikasi | 0.1190476 | U.H |
| | | | | | | Akomodasi | 0.2976190 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.1190476 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kawat Ikat | 0.0250000 | kg |
| | | | | | | Kayu Reng | 0.5000000 | m |
| | | | | | | Plastik Terpal | 7.0650000 | m2 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan) | Premark terpasang dan terukur | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.0714286 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|------------------------------------|--------|--------|--------------------------|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | aksesibilitas sedang, cuaca buruk) | | | Surveyor Akuisisi (Base) | 0.142857 1 | O.H | |
| | | | | | | | Surveyor Akuisisi (Rover) | 0.142857 1 | O.H |
| | | | | | | | Pekerja/Buruh Tak Terampil | 0.285714 3 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.357142 9 | U.H |
| | | | | | | | Kamera Geotagging | 0.142857 1 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.285714 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.142857 1 | U.H |
| | | | | | | | Peralatan Komunikasi | 0.142857 1 | U.H |
| | | | | | | | Akomodasi | 0.357142 9 | U.H |
| | | | | | | | Kendaraan Roda Empat | 0.142857 1 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | Kawat Ikat | 0.025000 0 | kg | |
| | | | | | | Kayu Reng | 0.500000 0 | m | |
| | | | | | | Plastik Terpal | 7.065000 | m2 | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|--------------------------------------|--------|---|-----------|--------|------------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | | | | | 0 | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pembuatan dan Pengukuran Premark UAV (dengan kesulitan aksesibilitas berat, cuaca buruk) | Premark terpasang dan terukur | Titik | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | | | | Koordinator Pengukuran Premark UAV | 0.089285 7 | O.H |
| | | | | | | | | | Surveyor Akuisisi (Base) | 0.178571 4 | O.H |
| | | | | | | | | | Surveyor Akuisisi (Rover) | 0.178571 4 | O.H |
| | | | | | | | | | Pekerja/Buruh Tak Terampil | 0.357142 9 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.446428 6 | U.H |
| | | | | | | | | | Kamera Geotagging | 0.178571 4 | U.H |
| | | | | | | | | | GPS Geodetik dan Kelengkapannya | 0.357142 9 | U.H |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.178571 4 | U.H |
| | | | | | | | | | Peralatan Komunikasi | 0.178571 4 | U.H |
| | | | | | | Akomodasi | 0.446428 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|-----------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 6 | |
| | | | | | | Kendaraan Roda Empat | 0.1785714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kawat Ikat | 0.0250000 | kg |
| | | | | | | Kayu Reng | 0.5000000 | m |
| | | | | | | Plastik Terpal | 7.0650000 | m2 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.5.4 | Pengolahan Data Hasil Pengukuran Premark | Data Koordinat | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 0.0125000 | O.H |
| | | | | | | Surveyor Pengolahan | 0.0125000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.0125000 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 0.0125000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|---------------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.5.5 | Pelaporan Pengukuran Premark UAV | Laporan pengukuran premark UAV | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran Premark UAV | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Scanner | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|---|---|-----------------|---|--|---------------|---------------------------------------|------------------|---------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.5.6. | Pengukuran BM Stasiun Pasut Temporer | D.5.6.1. | Persiapan Personil Dan Alat Pengukuran BM Stasiun Pasut Temporer | Dokumen Kesiapan Personil Dan Alat Pengukuran BM Stasiun Pasut Temporer | | Personil | | | | |
| | | | | | | Ketua Tim | 0.000000 | O.H | | |
| | | | | | | Staf Administrasi | 0.000000 | O.H | | |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 1.000000 | O.H | | |
| | | | | | | Surveyor Akuisisi | 3.000000 | O.H | | |
| | | | | | | Surveyor Pengolahan | 1.000000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 5.000000 | U.H | | |
| | | | | | | Kamera Geotagging | 1.000000 | U.H | | |
| | | | | | | GPS Geodetik dan Kelengkapannya | 3.000000 | U.H | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 | U.H | | |
| | | | | | | Software Pengolahan GPS Geodetik | 1.000000 | U.H | | |
| | | | | | | Peralatan Komunikasi | 3.000000 | U.H | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|-----------------|--|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.2. | Pembuatan BM Stasiun Pasut Temporer | Bentuk Fisik BM Stasiun Pasut Temporer | Unit | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.148148 1 | O.H |
| | | | | | | Surveyor Akuisisi | 0.592592 6 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 0.296296 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | Kamera Geotagging | 0.592592 6 | U.H |
| | | | | | | Akomodasi | 0.740740 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Besi o 6D | 0.497280 | Kg |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|-----------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kawat Bendrat | 0.500000 0 | Kg |
| | | | | | | Paralon PVC 2.5 Inch | 0.500000 0 | m |
| | | | | | | Semen | 0.002040 2 | m3 |
| | | | | | | Pasir | 0.004080 4 | m3 |
| | | | | | | Batu split | 0.006120 6 | m3 |
| | | | | | | Brass Tablet | 1.000000 0 | Unit |
| | | | | | | Air | 2.125222 9 | ltr |
| | | | | | | Thinner | 0.002928 6 | ltr |
| | | | | | | Cat | 0.014643 2 | ltr |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.3. | Pemasangan BM Stasiun Pasut Temporer (dengan kesulitan aksesibilita | BM Stasiun Pasut Temporer terpasang di lapangan | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.125000 0 | O.H |
| | | | | | | Surveyor Akuisisi | 0.500000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-----------------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | s rendah, cuaca baik) | | | | 0 | |
| | | | | | | Pekerja/Buruh Tak Terampil | 1.000000 | O.H |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Kendaraan Roda Empat | 0.500000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Alat Pertukangan | 0.000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.500000 | |
| | | | | | | | 0 | |
| | | | | | | Kamera Geotagging | 0.500000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Akomodasi | 0.625000 | U.H |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Semen | 0.002040 | m3 |
| | | | | | | | 2 | |
| | | | | | | Air | 2.125222 | ltr |
| | | | | | | | 9 | |
| | | | | | | Pasir | 0.004080 | m3 |
| | | | | | | | 4 | |
| | | | | | | Batu split | 0.006120 | m3 |
| | | | | | | | 6 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|--------|-----------------|-----------|--------|---------------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Pemasangan BM Stasiun Pasut Temporer (dengan kesulitan aksesibilitas berat, cuaca baik) | BM Stasiun Pasut Temporer terpasang di lapangan | Titik | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.250000 0 | O.H |
| | | | | | | | | | Surveyor Akuisisi | 1.000000 0 | O.H |
| | | | | | | | | | Pekerja/Buruh Tak Terampil | 2.000000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H |
| | | | | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | |
| | | | | | | | | | Kamera Geotagging | 1.000000 0 | U.H |
| | | | | | | | | | Akomodasi | 1.250000 0 | U.H |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | Semen | 0.002040 2 | m3 |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Air | 2.125222 9 | ltr |
| | | | | | | Pasir | 0.004080 4 | m3 |
| | | | | | | Batu split | 0.006120 6 | m3 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan BM Stasiun Pasut Temporer (dengan kesulitan aksesibilitas rendah, cuaca buruk) | BM Stasiun Pasut Temporer terpasang di lapangan | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.178571 4 | O.H |
| | | | | | | Surveyor Akuisisi | 0.714285 7 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 1.428571 4 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.714285 7 | U.H |
| | | | Alat Pertukangan | 0.000000 0 | U.H | | | |
| | | | GPS Handheld dan Kelengkapannya | 0.714285 7 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Geotagging | 0.7142857 | U.H |
| | | | | | | Akomodasi | 0.8928571 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Semen | 0.0020402 | m3 |
| | | | | | | Air | 2.1252229 | ltr |
| | | | | | | Pasir | 0.0040804 | m3 |
| | | | | | | Batu split | 0.0061206 | m3 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemasangan BM Stasiun Pasut Temporer (dengan kesulitan aksesibilitas sedang, cuaca buruk) | BM Stasiun Pasut Temporer terpasang di lapangan | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.3571429 | O.H |
| | | | | | | Surveyor Akuisisi | 1.4285714 | O.H |
| | | | | | | Pekerja/Buruh Tak Terampil | 2.8571429 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|-----------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 0.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.428571 4 | U.H |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.428571 4 | U.H |
| | | | | | | Kamera Geotagging | 1.428571 4 | U.H |
| | | | | | | Akomodasi | 1.785714 3 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Semen | 0.002040 2 | m3 |
| | | | | | | Air | 2.125222 9 | ltr |
| | | | | | | Pasir | 0.004080 4 | m3 |
| | | | | | | Batu split | 0.006120 6 | m3 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.4 | Pengukuran BM Stasiun Pasut Temporer | Data mentah pengukuran GPS | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|---|-----------------------------------|--------|---|---------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | (dengan kesulitan aksesibilitas rendah, cuaca baik) | | | Koordinator Pengukuran BM Pasut Utama | 0.500000 0 | O.H | |
| | | | | | | | Surveyor Akuisisi | 1.500000 0 | O.H |
| | | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | | Kendaraan Roda Empat | 1.500000 0 | U.H |
| | | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.500000 0 | U.H |
| | | | | | | | Kamera Geotagging | 1.500000 0 | U.H |
| | | | | | | | Akomodasi | 2.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pengukuran BM Stasiun | Data mentah pengukuran GPS | Titik | Personil | | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | |
|--|---------|------|---|--------------------|--------|---|---------------------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Pasut Temporer (dengan kesulitan aksesibilitas berat, cuaca baik) | | | Staf Administrasi | 0.000000 0 | O.H | |
| | | | | | | | Koordinator Pengukuran BM Pasut Utama | 1.000000 0 | O.H |
| | | | | | | | Surveyor Akuisisi | 3.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 3.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | | Kendaraan Roda Empat | 3.000000 0 | U.H |
| | | | | | | | Alat Pertukangan | 0.000000 0 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 2.000000 0 | U.H |
| | | | | | | | Kamera Geotagging | 3.000000 0 | U.H |
| | | | | | | | Akomodasi | 4.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pengukura | Data mentah | Titik | Personil | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|--|----------------|--------|---|-----------|---------------------------------------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | n BM Stasiun Pasut Temporer (dengan kesulitan aksesibilitas rendah, cuaca buruk) | pengukuran GPS | | Ketua Tim | 0.000000 | O.H | | |
| | | | | | | | | 0 | | |
| | | | | | | | | Staf Administrasi | 0.000000 | O.H |
| | | | | | | | | 0 | | |
| | | | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.714285 | O.H |
| | | | | | | | | 7 | | |
| | | | | | | | | Surveyor Akuisisi | 2.142857 | O.H |
| | | | | | | | | 1 | | |
| | | | | | | | | Buruh Lokal | 1.428571 | O.H |
| | | | | | | | | 4 | | |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Laptop | 2.857142 | U.H |
| | | | | | | | | 9 | | |
| | | | | | | Kendaraan Roda Empat | 2.142857 | U.H | | |
| | | | | | | 1 | | | | |
| | | | | | | Alat Pertukangan | 0.000000 | U.H | | |
| | | | | | | 0 | | | | |
| | | | | | | GPS Geodetik dan Kelengkapannya | 2.142857 | U.H | | |
| | | | | | | 1 | | | | |
| | | | | | | Kamera Geotagging | 2.142857 | U.H | | |
| | | | | | | 1 | | | | |
| | | | | | | Akomodasi | 2.857142 | U.H | | |
| | | | | | | 9 | | | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | | | | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|--|----------------------------|--------|---------------------------------------|---------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Pengukuran BM Stasiun Pasut Temporer (dengan kesulitan aksesibilitas Berat, cuaca buruk) | Data mentah pengukuran GPS | Titik | Personil | | | | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H | | | |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H | | | |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 1.428571 4 | O.H | | | |
| | | | | | | Surveyor Akuisisi | 4.285714 3 | O.H | | | |
| | | | | | | Buruh Lokal | 2.857142 9 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 5.714285 7 | U.H | | | |
| | | | | | | Kendaraan Roda Empat | 4.285714 3 | U.H | | | |
| | | | | | | Alat Pertukangan | 0.000000 0 | U.H | | | |
| | | | | | | GPS Geodetik dan Kelengkapannya | 2.857142 9 | U.H | | | |
| | | | | | | Kamera Geotagging | 4.285714 3 | U.H | | | |
| | | | | | | Akomodasi | 5.714285 7 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | | | | | | |
| | | | | | | c) Jumlah | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|---------|--|---------------------------|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.5 | Pengolahan Data Hasil Pengukuran BM Stasiun Pasut Temporer | Data Koordinat | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 0.012500 0 | O.H |
| | | | | | | Surveyor Pengolahan | 0.012500 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.025000 0 | U.H |
| | | | | | | Software Pengolahan GPS Geodetik | 0.012500 0 | U.H |
| | | | | | | Akomodasi | 0.025000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.6 | Demobilisasi | Berita acara demobilisasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|---|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Koordinator Pengukuran Premark UAV | 1.000000 0 | O.H |
| | | | | | | Surveyor Akuisisi | 3.000000 0 | O.H |
| | | | | | | Surveyor Pengolahan | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 2.000000 0 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi | 5.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.6.7 | Pelaporan Pengukuran BM Stasiun Pasut Temporer | Laporan Pengukuran BM Stasiun Pasut Temporer | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Pengukuran BM Pasut Utama | 2.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|------------------------------|----------------|--|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.7. | Pemotretan Udara WUNA | D.5.7.1 | Persiapan Personil dan Alat Pemotretan Udara WUNA | Dokumen Report Kelengkapan Personil Dan Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Koordinator Pemotretan Udara WUNA | 1.000000 0 | O.H |
| | | | | | | Operator Pemotretan Udara WUNA | 1.000000 0 | O.H. |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 1.000000 0 | U.H. |
| | | | | | | Laptop | 2.000000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|-------------------|---------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | UAV | 1.000000 0 | U.H. |
| | | | | | | Software Akuisisi Pemotretan Udara | 2.000000 0 | U.H. |
| | | | | | | Aki | 1.000000 0 | U.H. |
| | | | | | | Power Inverter | 1.000000 0 | U.H. |
| | | | | | | Rol kabel | 1.000000 0 | U.H. |
| | | | | | | GPS Handheld | 1.000000 0 | U.H. |
| | | | | | | Kamera Geotagging | 1.000000 0 | U.H. |
| | | | | | | Anemometer | 1.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.2 | Mobilisasi | Tiket Transportasi | | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Koordinator Pemotretan Udara WUNA | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 0.000000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|------------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Operator Pemotertan Udara WUNA | 1.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H. |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | Tiket Transportasi | 2.000000 0 | Tiket |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.3 | Pemotretan Udara WUNA dengan Mesin (Cuaca Baik) | Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.000400 0 | O.H. |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 0.000400 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|-------------------------------------|------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Akomodasi | 0.000400 0 | U.H. |
| | | | | | | Laptop | 0.000400 0 | U.H. |
| | | | | | | UAV | 0.000400 0 | U.H. |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.001600 0 | U.H. |
| | | | | | | Aki | 0.000400 0 | U.H. |
| | | | | | | Power Inverter | 0.000400 0 | U.H. |
| | | | | | | Rol kabel | 0.000400 0 | U.H. |
| | | | | | | GPS Handheld | 0.000400 0 | U.H. |
| | | | | | | Kamera Geotagging | 0.000400 0 | U.H. |
| | | | | | | Anemometer | 0.000400 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemotretan Udara WUNA dengan | Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|----------------|-------------|----------------------|---------------|---------------|------------------------------------|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Mesin | | | Koordinator Pemotretan Udara | 0.000800 | O.H |
| | | | (Cuaca Buruk) | | | WUNA | 0 | |
| | | | | | | Staff Administrasi | 0.000000 | O.H |
| | | | | | | | 0 | |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Kendaraan Roda Empat | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Akomodasi | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Laptop | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | UAV | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.003200 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Aki | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Power Inverter | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Rol kabel | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | GPS Handheld | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Kamera Geotagging | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Anemometer | 0.000800 | U.H. |
| | | | | | | | 0 | |
| b) Jumlah | | | | | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.4 | Pemotretan Udara WUNA dengan Elektrik (Cuaca Baik) | Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.001000 0 | O.H |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 0.001000 0 | U.H. |
| | | | | | | Akomodasi | 0.001000 0 | U.H. |
| | | | | | | Laptop | 0.001000 0 | U.H. |
| | | | | | | UAV | 0.001000 0 | U.H. |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.004000 0 | U.H. |
| | | | | | | Aki | 0.001000 0 | U.H. |
| | | | | | | Power Inverter | 0.001000 0 | U.H. |
| | | | | | | Rol kabel | 0.001000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Handheld | 0.001000 0 | U.H. |
| | | | | | | Kamera Geotagging | 0.001000 0 | U.H. |
| | | | | | | Anemometer | 0.001000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pemotretan Udara WUNA dengan Elektrik (Cuaca Buruk) | Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Koordinator Pemotretan Udara WUNA | 0.002000 0 | O.H |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 0.002000 0 | U.H. |
| | | | | | | Akomodasi | 0.002000 0 | U.H. |
| | | | | | | Laptop | 0.002000 0 | U.H. |
| | | | | | | UAV | 0.002000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.008000 0 | U.H. |
| | | | | | | Aki | 0.002000 0 | U.H. |
| | | | | | | Power Inverter | 0.002000 0 | U.H. |
| | | | | | | Rol kabel | 0.002000 0 | U.H. |
| | | | | | | GPS Handheld | 0.002000 0 | U.H. |
| | | | | | | Kamera Geotagging | 0.002000 0 | U.H. |
| | | | | | | Anemometer | 0.002000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.5 | Pengecekan Hasil Pemotretan Udara WUNA Mesin (Cuaca Baik) | Data Foto Udara yang sesuai syarat pengolahan | Hektar | Personil | | |
| | | | | | | Operator Pemotretan Udara WUNA | 0.000400 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 0.000400 0 | U.H. |
| | | | | | | Software Akuisisi Pemotretan | 0.000400 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Udara | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengecekan Hasil Pemotretan Udara WUNA Mesin (Cuaca Buruk) | Data Foto Udara yang sesuai syarat pengolahan | Hektar | Personil | | |
| | | | | | | Operator Pemotretan Udara WUNA | 0.000800 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 0.000800 0 | U.H. |
| | | | | | | Software Akuisisi Pemotretan Udara | 0.000800 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.6 | Pengecekan Hasil Pemotretan Udara WUNA Elektrik | Data Foto Udara yang sesuai syarat pengolahan | Hektar | Personil | | |
| | | | | | | Operator Pemotretan Udara WUNA | 0.001000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|----------------|---------------------|--|--|---|---|------------------------------------|--------------------------------|---------------|------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | (Cuaca Baik) | | | PC Workstation | 0.001000 0 | U.H. | | | |
| | | | | | | | Software Akuisisi Pemotretan Udara | 0.001000 0 | U.H. | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | | | | | |
| | | | | | | | c) Jumlah | | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | Pengecekan Hasil Pemotretan Udara WUNA Elektrik (Cuaca Buruk) | Data Foto Udara yang sesuai syarat pengolahan | Hektar | Personil | | | | |
| | | | | | | | | | Operator Pemotretan Udara WUNA | 0.002000 0 | O.H. |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | | |
| | | | | | | | | PC Workstation | 0.002000 0 | U.H. | |
| | | | | | | | | Software Akuisisi Pemotretan Udara | 0.002000 0 | U.H. | |
| | | | | | | | | b) Jumlah | | | |
| | | | | | | | | Bahan | | | |
| | | | | | | | | | | | |
| | | | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | D.5.7.7 | Demobilisasi | Tiket Transportasi | | Personil | | | | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H. | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|---------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Pemotretan Udara WUNA | 1.000000 0 | O.H. |
| | | | | | | Staff Administrasi | 0.000000 0 | O.H. |
| | | | | | | Operator Pemotretan Udara WUNA | 1.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.000000 0 | U.H. |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.000000 0 | U.H. |
| | | | | | | Tiket Transportasi | 4.000000 0 | Tiket |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.7.8 | Pelaporan Pemotretan Udara WUNA | Laporan Pemotretan Udara | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | Koordinator Pemotretan Udara WUNA | 2.000000 0 | O.H. |
| | | | | | | Staff Administrasi | 2.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|-----------------------------------|----------------|---|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner | 2.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 2.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.8. | Pengolahan Foto Udara WUNA | D.5.8.1 | Persiapan Personil dan Alat Pengolahan Foto Udara WUNA | Dokumen Report Kelengkapan Personil Dan Alat | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Koordinator Pengolahan Foto Udara WUNA | 1.000000 0 | O.H |
| | | | | | | Staff Administrasi | 1.000000 0 | O.H |
| | | | | | | Operator Pengolahan Foto Udara WUNA | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.8.3 | Otomatisasi triangulasi udara WUNA | Foto yang sudah mempunyai koordinat dan mozaik foto | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000400 0 | O.H |
| | | | | | | Koordinator Pengolahan Foto Udara WUNA | 0.000400 0 | O.H |
| | | | | | | Operator Pengolahan Foto Udara WUNA | 0.000800 0 | O.H |
| | | | | | | Staff Administrasi | 0.000400 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000800 0 | U.H. |
| | | | | | | PC Workstation | 0.001200 0 | U.H. |
| | | | | | | Software Pengolahan Fotogrametri | 0.001200 0 | U.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.8.4 | Orthorektifikasi WUNA | Foto Yang sudah Tegak | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000400 0 | O.H |
| | | | | | | Koordinator Pengolahan Foto Udara | 0.000400 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | WUNA | 0 | |
| | | | | | | Operator Pengolahan Foto Udara | 0.000800 | O.H |
| | | | | | | WUNA | 0 | |
| | | | | | | Staff Administrasi | 0.000400 | O.H |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.000800 | U.H. |
| | | | | | | | 0 | |
| | | | | | | PC Workstation | 0.001200 | U.H. |
| | | | | | | | 0 | |
| | | | | | | Software Pengolahan Fotogrametri | 0.001200 | U.H. |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.8.5 | Pengecekan hasil pengolahan foto udara WUNA dan Check Point | Dokument Hasil Pengecekan Data Foto Udara | Hektar | Personil | | |
| | | | | | | Ketua Tim | 0.000600 | O.H |
| | | | | | | | 0 | |
| | | | | | | Koordinator Pengolahan Foto Udara | 0.000600 | O.H |
| | | | | | | WUNA | 0 | |
| | | | | | | Operator Pengolahan Foto Udara | 0.001200 | O.H |
| | | | | | | WUNA | 0 | |
| | | | | | | Staff Administrasi | 0.000600 | O.H |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------|---|--------------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.001200 0 | U.H. |
| | | | | | | PC Workstation | 0.001800 0 | U.H. |
| | | | | | | Software Pengolahan Fotogrametri | 0.001800 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.8.6 | Pelaporan Pengolahan Foto Udara WUNA | Laporan Pengolahan Foto Udara | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H. |
| | | | | | | Koordinator Pengolahan Foto Udara WUNA | 2.000000 0 | O.H. |
| | | | | | | Staff Administrasi | 2.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---|----------------|---|---|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Scanner | 2.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.9. | Intepretasi dan Deliniasi Garis pantai | D.5.9.1 | Persiapan Personil dan Alat Intepretasi dan Deliniasi Garis pantai | Dokumen kesiapan Personil Dan Alat | | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Intepretasi dan Deliniasi Garis pantai | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Scanner | 1.000000 0 | U.H |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|-----------------------------|-----------------|---|---|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.9.3 | Pelaporan Intepretasi dan Deliniasi Garis pantai | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Intepretasi dan Deliniasi Garis pantai | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Scanner | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.10. | Pembentukan Topologi | D.5.10.1 | Persiapan Personil dan Alat | Dokumen kesiapan Personil Dan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|--------------|----------------------------------|---|--------|---|-------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | dan Poligon | | Pembentukan Topologi dan Poligon | Alat | | | 0 | | | |
| | | | | | Staf Administrasi | 1.000000 | O.H | | | |
| | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.000000 | O.H | | | |
| | | | | | a) Jumlah | | | | | |
| | | | | | Alat | | | | | |
| | | | | | Laptop | 2.000000 | U.H | | | |
| | | | | | PC Workstation | 2.000000 | U.H | | | |
| | | | | | Printer | 1.000000 | U.H | | | |
| | | | | | Harddisk Eksternal | 0.000000 | U.H | | | |
| | | | | | Software GIS | 2.000000 | U.H | | | |
| | | | | | b) Jumlah | | | | | |
| | | | | | Bahan | | | | | |
| | | | | | ATK | 1 | Set | | | |
| | | | | | c) Jumlah | | | | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | D.5.1 0.2 | Pembentukan Topologi dan Editing | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | | | | |
| | | | | | Ketua Tim | 0.200000 | O.H | | | |
| | | | | | Staf Administrasi | 0.200000 | O.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|---|--|--------|---|---|--|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Topologi (Tingkat Kepadatan Fitur Data : Jarang) | | | Koordinator Pembentukan Topologi dan Poligon | 0.200000 0 | O.H | | |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 0.200000 0 | O.H | |
| | | | | | | | a) Jumlah | | | |
| | | | | | | | Alat | | | |
| | | | | | | | Laptop | 0.400000 0 | U.H | |
| | | | | | | | PC Workstation | 0.400000 0 | U.H | |
| | | | | | | | Software GIS | 0.400000 0 | U.H | |
| | | | | | | | b) Jumlah | | | |
| | | | | | | | Bahan | | | |
| | | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | | | |
| | | | | | | | | Ketua Tim | 0.250000 0 | O.H |
| | | | | | | | | Staf Administrasi | 0.250000 0 | O.H |
| | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.250000 0 | O.H |
| | | | | | | | | Operator Pembentukan Topologi dan Poligon | 0.250000 0 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | Alat | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 0.500000 0 | U.H |
| | | | | | | PC Workstation | 0.500000 0 | U.H |
| | | | | | | Software GIS | 0.500000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi | Geodatabase dengan topologi (clean topologi dan Seamless) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.333333 3 | O.H |
| | | | | | | Staf Administrasi | 0.333333 3 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.333333 3 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 0.333333 3 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.666666 7 | U.H |
| | | | | | | PC Workstation | 0.666666 7 | U.H |
| | | | | | | Software GIS | 0.666666 7 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------------|--|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1 0.3 | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | | | Ketua Tim | 0.200000 0 | O.H |
| | | | | | | Staf Administrasi | 0.200000 0 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.200000 0 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 0.200000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.400000 0 | U.H |
| | | | | | | PC Workstation | 0.400000 0 | U.H |
| | | | | | | Software GIS | 0.400000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|------|---|---|--------|-----------------|-----------|--------|---|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.250000 0 | O.H |
| | | | | | | | | | Staf Administrasi | 0.250000 0 | O.H |
| | | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.250000 0 | O.H |
| | | | | | | | | | Operator Pembentukan Topologi dan Poligon | 0.250000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.500000 0 | U.H |
| | | | | | | | | | PC Workstation | 0.500000 0 | U.H |
| | | | | | | | | | Software GIS | 0.500000 0 | U.H |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.333333 3 | O.H |
| | | | | | | | | | Staf Administrasi | 0.333333 3 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | | |
|--|---------|----------------------|---|---|---------|---|---|---------------|--|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Koordinator Pembentukan Topologi dan Poligon | 0.333333 3 | O.H | | | |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 0.333333 3 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Laptop | 0.666666 7 | U.H | | |
| | | | | | | | PC Workstation | 0.666666 7 | U.H | | |
| | | | | | | | Software GIS | 0.666666 7 | U.H | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | D.5.1 0.4 | Pelaporan Pembentukan Topologi dan Poligon | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.000000 0 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------------------------|-----------------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.11. | Pembuatan Metadata | D.5.11.1 | Persiapan Personil dan Alat Pembuatan Metadata | Dokumen kesiapan Personil Dan Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Pembuatan Metadata | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|--|----------------------|--|--|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1 1.3 | Pelaporan Pembuatan Peta Data | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Pembuatan Metadata | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5. 12. | Pembuatan Peta Foto Garis | D.5.1 2.1 | Persiapan Personil dan Alat Pembuatan | Layout tiap NLP Foto Garis pantai | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | | | |
|--|---------|------|------------------------|--------------|--|-----------------------------------|---|------------------------|---------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | Pantai | | Peta Foto Garis Pantai | | | Koordinator Kartografi | 1.000000 0 | O.H | | |
| | | | | | | | Staff Administrasi | 1.000000 0 | O.H | |
| | | | | | | | a) Jumlah | | | |
| | | | | | | | Alat | | | |
| | | | | | | | Laptop | 3.000000 0 | U.H | |
| | | | | | | | PC Desktop | 1.000000 0 | U.H | |
| | | | | | | | Software Kartografis berbasis GIS | 1.000000 0 | U.H | |
| | | | | | | | b) Jumlah | | | |
| | | | | | | | Bahan | | | |
| | | | | | | | c) Jumlah | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | | D.5.1 2.2 | Penyiapan Informasi Tepi dan Muka Peta Foto Garis Pantai | Layout tiap NLP Foto Garis pantai | NLP | Personil | | |
| | | | | | | | | Ketua Tim | 0.142857 1 | O.H |
| | | | | | | | | Koordinator Kartografi | 0.142857 1 | O.H |
| | | | | | | Operator Kartografi | 0.142857 1 | O.H | | |
| | | | | | | Staff Administrasi | 0.142857 1 | O.H | | |
| | | | | | | a) Jumlah | | | | |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.428571 4 | U.H |
| | | | | | | PC Desktop | 0.142857 1 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.142857 1 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1 2.3 | Pencetakan Peta Foto Garis Pantai | Layout tiap NLP Foto Garis pantai | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.071428 6 | O.H |
| | | | | | | Koordinator Kartografi | 0.071428 6 | O.H |
| | | | | | | Operator Kartografi | 0.071428 6 | O.H |
| | | | | | | Staff Administrasi | 0.071428 6 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Komputer PC/Laptop | 0.214285 7 | U.H |
| | | | | | | PC Desktop | 0.071428 6 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|--|---------|----------------------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Plotter | 0.0714286 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.0714286 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.0000000 | Lembar |
| | | | | | | Kertas Peta | 1.0000000 | Lembar |
| | | | | | | Tinta Plotter | 0.0002000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.5.1 2.4 | Pelaporan Pembuatan Peta Foto Garis Pantai | Layout tiap NLP Foto Garis pantai | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Koordinator Kartografi | 1.0000000 | O.H |
| | | | | | | Staff Administrasi | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.0000000 | U.H |
| | | | | | | Printer | 1.0000000 | U.H |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|------------------|-----------------|--------------------------|--------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.5.13. | Pelaporan | D.5.13.1 | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H. |
| | | | | | | Staf Administrasi | 5.000000 0 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.000000 0 | U.H. |
| | | | | | | Printer | 5.000000 0 | U.H. |
| | | | | | | Scanner | 5.000000 0 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 2.000000 0 | Set |
| | | | | | | Harddisk Eksternal | 2.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 2.000000 0 | RIM |
| | | | | | | Tinta Printer | 1.000000 | Paket |

| D.5 Pemetaan Garis Pantai Menggunakan Wahana UAV | | | | | | | | |
|---|----------------|-------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Penjilidan | 3.000000 | Rang kap |
| | | | | | | | 0 | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

**Analisa Biaya Keluaran Kegiatan
aa. Survei Toponim Pulau**

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Survei Toponim Pulau dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Survei Toponim Pulau:

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat: Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktifitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktifitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m
- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi PantaiSangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencover <30% blok pekerjaan

Sedang : Tutupan objek mencover 30%-60% blok pekerjaan

Padat : Tutupan objek mencover >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Survei Toponim Pulau:

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|-----------|---|--|--|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.6.1. | Persiapan | D.6.1.1 | Persiapan Alat dan Personil | Dokumen hasil pemeriksaan kesiapan Alat dan Personil | Set File | Personil | | |
| | | | | | | Ketua Tim | 4.0000000 | O.H |
| | | | | | | Staf Administrasi | 4.0000000 | O.H |
| | | | | | | Koordinator Survei Toponim Pulau | 4.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 4.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.6.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponim Pulau | 2.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| Scanner | 2.0000000 | | | | | U.H. | | |

| D.6 Survei Toponimi Pulau | | | | | | | | | | | | |
|--------------------------------------|----------------|---|--|--|---------|---|------------|----------------------|---------|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | |
| D.6.2. | Persiapan Data | | | | | Printer | 2.0000000 | U.H. | | | | |
| | | | | | | PC Workstation | 12.0000000 | U.H. | | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | ATK | 1.0000000 | Set | | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | | | D.6.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H | | | | |
| | | | | | | Staf Administrasi | 2.0000000 | O.H | | | | |
| | | | | | | a) Jumlah | | | | | | |
| | | Alat | | | | | | | | | | |
| | | Laptop | 4.0000000 | U.H | | | | | | | | |
| | | Printer | 2.0000000 | U.H | | | | | | | | |
| | | Scanner | 2.0000000 | U.H | | | | | | | | |
| | | b) Jumlah | | | | | | | | | | |
| | | Bahan | | | | | | | | | | |
| | | ATK | 1.0000000 | Set | | | | | | | | |
| | | c) Jumlah | | | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | D.6.2.1 | Persiapan Personil dan Alat Persiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | | | | | |
| | | Ketua Tim | 1.0000000 | O.H | | | | | | | | |
| | | Staf Administrasi | 1.0000000 | O.H | | | | | | | | |
| Koordinator Survei Toponimi Pulau | 1.0000000 | O.H | | | | | | | | | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|---------|----------------|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.2.2 | Persiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | c) Jumlah | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------------------------------|---|---|------------------------------------|-----------------------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.6.3. | Persiapan Survey Toponimi Pulau | D.6.2.3 | Pelaporan | Laporan Persiapan Data | Dokumen | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.6.3.1. | Persiapan Alat dan Personil Persiapan Survei Toponimi | Dokumen kesiapan alat dan personil | Personil | | | |
| | | | | | Ketua Tim | 1.0000000 | O.H | |
| | | | | | Staf Administrasi | 1.0000000 | O.H | |
| | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H | |
| | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H | |
| | | | | | a) Jumlah | | | |
| Alat | | | | | | | | |
| Laptop | 3.0000000 | | | | U.H | | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|---|----------------------------|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | PC Workstation | 1.0000000 | U.H |
| | | | | | | Software GIS | 1.0000000 | U.H |
| | | | | | | Plotter | 1.0000000 | U.H |
| | | | | | | Scanner | 1.0000000 | U.H |
| | | | | | | Fotokopi | 1.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.2. | Mobilisasi Persiapan Survei Toponimi | Berita acara mobilisasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base- Bandara) | 1.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket Transportasi | 3.0000000 | O.K |
| | | | | | | b) Jumlah | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|-----------------|---|----------------------------------|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.3. | Koordinasi dengan Instansi Terkait | Ijin Survei | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Akomodasi | 8.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.4. | Demobilisasi Persiapan Survei Toponimi | Berita acara demobilisasi | | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 1.0000000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|---------------------------|-------------------------|----------|--|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Pulau | | |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket Transportasi | 3.0000000 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.5. | Pengumpulan Data Sekunder | Data Sekunder Terkumpul | Set File | Personil | | |
| | | | | | | Ketua Tim | 7.0000000 | O.H |
| | | | | | | Staf Administrasi | 7.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 7.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 7.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 21.0000000 | U.H |
| | | | | | | Software GIS | 7.0000000 | U.H |
| | | | | | | PC Workstation | 28.0000000 | U.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|-------------------------------------|----------------------|----------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.6. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Set File | Personil | | |
| | | | | | | Ketua Tim | 7.0000000 | O.H |
| | | | | | | Staf Administrasi | 7.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 7.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 7.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 21.0000000 | U.H |
| | | | | | | Software GIS | 7.0000000 | U.H |
| | | | | | | Workstation | 28.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.7. | Pencetakan dan Penggandaan Formulir | Formulir | Set File | Personil | | |
| | | | | | | Ketua Tim | 7.0000000 | O.H |
| | | | | | | Staf Administrasi | 7.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi | 7.0000000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|----------------------------|------------------------------|----------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Pulau | | |
| | | | | | | Surveyor Toponimi Pulau | 7.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 21.0000000 | U.H |
| | | | | | | Printer | 7.0000000 | U.H |
| | | | | | | Fotokopi | 7.0000000 | U.H |
| | | | | | | Workstation | 28.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.8. | Persiapan Peralatan Survei | Dokumen Kesiapan Alat Survei | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|-------------------------------------|-----------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |
| | | | | | | Perekam Suara | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.3.9. | Pelaporan Persiapan Survei Toponimi | Laporan Persiapan Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|-----------------------|---|---|--|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.6.4. | Survei Toponimi Pulau | D.6.4.1.. | Persiapan Alat dan Personil Survei Toponimi | Dokumen Kesiapan Alat dan Personil Survei Toponimi | Set File | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | Scanner | 1.0000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | Perekam Suara | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | Bahan | | | | | | |
| | | ATK | | set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.6.4.2. | Mobilisasi Survei Toponimi | Berita acara mobilisasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|--|--|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket Transportasi | 2.0000000 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.4.3. | Pengumpulan dan Pengecekan Data Toponim Dengan GPS Handheld (dengan kesulitan) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 0.5000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 0.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.6 Survei Toponimi Pulau | | | | | | | | | | | |
|---------------------------|---------|------|--|--|--------|-----------------------------------|-----------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | aksesibilitas rendah, cuaca baik) | | | Kamera Digital | 0.5000000 | U.H | | | |
| | | | | | | GPS Handheld | 0.5000000 | U.H | | | |
| | | | | | | Perekam Suara | 0.5000000 | U.H | | | |
| | | | | | | Kendaraan Roda Empat | 0.5000000 | U.H | | | |
| | | | | | | Kapal | 0.5000000 | U.H | | | |
| | | | | | | Akomodasi | 1.0000000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | 0.0000000 | set | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | Pengumpulan dan Pengecekan Data Toponim Dengan GPS Handheld (dengan kesulitan aksesibilitas berat, cuaca baik) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | Pulau | Personil | | | | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H | | | |
| | | | | | | Staf Administrasi | 1.0000000 | O.H | | | |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H | | | |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Kamera Digital | 1.0000000 | U.H | | | |
| | | | | | | GPS Handheld | 1.0000000 | U.H | | | |
| | | | | | | Perekam Suara | 1.0000000 | U.H | | | |
| | | | Kendaraan Roda Empat | 1.0000000 | U.H | | | | | | |
| | | | Kapal | 1.0000000 | U.H | | | | | | |
| | | | Akomodasi | 2.0000000 | U.H | | | | | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengumpulan dan Pengecekan Data Toponim Dengan GPS Handheld (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Data Toponim dan Deskripsinya, Informasi dari Narasumber | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.7142857 | O.H |
| | | | | | | Staf Administrasi | 0.7142857 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 0.7142857 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 0.7142857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | GPS Handheld | 0.7142857 | U.H |
| | | | | | | Perekam Suara | 0.7142857 | U.H |
| | | | | | | Kendaraan Roda Empat | 0.7142857 | U.H |
| | | | | | | Kapal | 0.7142857 | U.H |
| | | | | | | Akomodasi | 1.4285714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengumpulan | Data | NLP | Personil | | |

| D.6 Survei Toponimi Pulau | | | | | | | | | | |
|---------------------------|---------|---------|--|---|--------------------------------------|-----------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | dan Pengecekan Data Toponim Dengan GPS Handheld (dengan kesulitan aksesibilitas berat, cuaca buruk) | Toponim dan Deskripsinya, Informasi dari Narasumber | | Ketua Tim | 1.4285714 | O.H | | |
| | | | | | Staf Administrasi | 1.4285714 | O.H | | | |
| | | | | | Koordinator Survei Toponimi Pulau | 1.4285714 | O.H | | | |
| | | | | | Surveyor Toponimi Pulau | 1.4285714 | O.H | | | |
| | | | | | a) Jumlah | | | | | |
| | | | | | Alat | | | | | |
| | | | | | Kamera Digital | 1.4285714 | U.H | | | |
| | | | | | GPS Handheld | 1.4285714 | U.H | | | |
| | | | | | Perekam Suara | 1.4285714 | U.H | | | |
| | | | | | Kendaraan Roda Empat | 1.4285714 | U.H | | | |
| | | | | | Kapal | 1.4285714 | U.H | | | |
| | | | | | Akomodasi | 2.8571429 | U.H | | | |
| | | | | | b) Jumlah | | | | | |
| | | | | | Bahan | | | | | |
| | | | ATK | 0.0000000 | set | | | | | |
| | | | c) Jumlah | | | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | D.6.4.4 | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan | Pengesahan Formulir | Pulau | Personil | | | | |
| | | | | | Ketua Tim | 0.5000000 | O.H | | | |
| | | | | | Staf Administrasi | 0.5000000 | O.H | | | |
| | | | | | Koordinator Survei Toponimi Pulau | 0.5000000 | O.H | | | |
| | | | | | Surveyor Toponimi Pulau | 0.5000000 | O.H | | | |
| | | | | | a) Jumlah | | | | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|------|--|---------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas rendah) | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | Sewa Ruangan | 0.5000000 | U.H |
| | | | | | | Printer | 0.5000000 | U.H |
| | | | | | | Akomodasi | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengesahan Data Lapangan Survei Toponim (dengan kesulitan aksesibilitas berat) | Pengesahan Formulir | Pulau | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | Sewa Ruangan | 1.0000000 | U.H |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | Akomodasi | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|---------|------------------------------|-------------------------|----------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.4.5 | Demobilisasi Survei Toponimi | Berita acara mobilisasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | Surveyor Toponimi Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat (Base-Bandara) | 1.0000000 | U.H |
| | | | | | | Kendaraan Roda Empat (Bandara-Mess/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket Transportasi | 2.0000000 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.4.6 | Pelaporan Survei Toponimi | Laporan Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Toponimi Pulau | 2.0000000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|--|---------|--|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.6.5. | Intepretasi dan Deliniasi Keliling Pulau Menggunakan Citra | D.6.5.1 | Persiapan Personil dan Alat Intepretasi dan Deliniasi Keliling Pulau Menggunakan Citra | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | Scanner | 1.0000000 | U.H |
| | | | | | | Harddisk Eksternal | 0.0000000 | U.H |
| | | | | | | Software GIS | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|---------|--|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 0.0000000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.5.2 | Intepretasi dan Deliniasi Keliling Pulau Menggunakan Citra | Garis Pantai HAT, MSL,LAT | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.1428571 | O.H |
| | | | | | | Staff Administrasi | 0.1428571 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 0.1428571 | O.H |
| | | | | | | Operator Pengolahan Data Toponim Pulau | 0.1428571 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2857143 | U.H |
| | | | | | | PC Workstation | 0.2857143 | U.H |
| | | | | | | Software SIG | 0.2857143 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.5.3 | Pelaporan Intepretasi dan Deliniasi Garis pantai | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 2.0000000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|--------------------------------|----------|---|------------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.6.6. | Pengolahan Data Toponimi Pulau | D.6.6.1. | Persiapan Personil Dan Alat nyiapan Alat dan Bahan Pengolahan Data Toponimi Pulau | Dokumen kesiapan alat dan personil | | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau Pulau | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | Scanner | 1.0000000 | U.H |
| | | | | | | Software GIS | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|----------|-----------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 0.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.6.2. | Entry Data Lapangan | Data toponim (format Excel), Hasil Wawancara, Foto, Marking, Tracking | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau | 0.0500000 | O.H |
| | | | | | | Operator Pengolahan Data Toponim Pulau | 0.0500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1000000 | U.H |
| | | | | | | PC Workstation | 0.1000000 | U.H |
| | | | | | | Software GIS | 0.1000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.6.3. | Editing Data Hasil Lapangan | Geodatabase Data Toponim (Data toponim | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau | 0.0500000 | O.H |

| D.6 Survei Toponimi Pulau | | | | | | | | | |
|---------------------------|---------|----------|----------------------------|---|---|---|-------------------|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | | tereposisi ke objek, Foto yang ter-attach ke objek) | | Operator Pengolahan Data Toponim Pulau | 0.0500000 | O.H | |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | | | | |
| | | | | | Laptop | | | 0.1000000 | U.H |
| | | | | | PC Workstation | | | 0.1000000 | U.H |
| | | | | | Software GIS | | | 0.1000000 | U.H |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | | | | |
| | | | | | ATK | | | 0.0000000 | Set |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | D.6.6.4. | Rekapitulasi Data Lapangan | | Data dalam Geodatabase | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau | 0.0500000 | O.H | |
| | | | | | | Operator Pengolahan Data Toponim Pulau | 0.0500000 | O.H | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 0.1000000 | U.H | |
| | | | | | | PC Workstation | 0.1000000 | U.H | |
| | | | | | | Software GIS | 0.1000000 | U.H | |
| | | | | | | b) Jumlah | | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|------------------|-----------------|---|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.6.6.5. | Pelaporan Pengolahan Data Toponimi Pulau | Laporan Pengolahan Data Survei Toponimi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pengolahan Data Toponim Pulau | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.6.6. | Pelaporan | D.6.6.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.0000000 | O.H. |
| | | | | | | Staf Administrasi | 5.0000000 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.6 Survei Toponimi Pulau | | | | | | | | |
|---------------------------|---------|------|-------------|--------|--------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 5.0000000 | U.H. |
| | | | | | | Printer | 5.0000000 | U.H. |
| | | | | | | Scanner | 5.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Harddisk Eksternal | 1.0000000 | Unit |
| | | | | | | Kertas HVS A4 | 2.0000000 | RIM |
| | | | | | | Tinta Printer | 1.0000000 | Set |
| | | | | | | Penjilidan | 3.0000000 | Rangkap |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

KEPALA
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ttd.

Gindo Sahat JHH



BADAN INFORMASI
GEOSPASIAL

Lampiran II
Peraturan Kepala
Badan Informasi Geospasial
Nomor 12 Tahun 2016

ANALISIS BIAYA KELUARAN
UNTUK KEGIATAN
PENGOLAHAN DATA GEOSPASIAL DAN
INFORMASI GEOSPASIAL

BADAN INFORMASI
GEOSPASIAL

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2016

Analisa Biaya Keluaran Kegiatan

A.2.1_ Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara

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Dalam pelaksanaan pekerjaan Pemetaan RBI (Rupabumi Indonesia) Skala Besar (1:5.000) Menggunakan Data Foto Udara dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemetaan RBI (Rupabumi Indonesia) Skala Besar (1:5.000) Menggunakan Data Foto Udara:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Kepadatan Fitur

Kepadatan fitur data diklasifikasikan berdasarkan luasan tutupan lahan bangunan dan atau sawah yang menutupi blok pekerjaan.

Jarang : Tutupan lahan bangunan dan atau sawah mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan atau sawah mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan atau sawah mencakup >60% blok pekerjaan

4. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

5. Kepadatan Administrasi

Faktor Kepadatan Administrasi diklasifikasikan berdasarkan jumlah desa per luasan 5.3 Km².

Jarang : Jika rerata jumlah desa per Luasan 5.3 Km² kurang dari 4 desa

Padat : Jika rerata jumlah desa per Luasan 5.3 Km² sama dengan atau lebih dari 4 desa

6. Topografi

Faktor topografi wilayah didasarkan pada persentase kemiringan lereng.

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

Tabel berikut menunjukkan besaran koefisien pada Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara:

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
|------------------|-----------|---------|-----------------------------|--|-------------------|---------|---|-----------|--------|--|--|
| A.2.1. | Persiapan | A.2.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | cetak dan digital | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 4.0000000 | O.H | | |
| | | | | | | | Staf Administrasi | 4.0000000 | O.H | | |
| | | | | | | | Koordinator Stereokompilasi | 1.0000000 | O.H | | |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.0000000 | O.H | | |
| | | | | | | | Koordinator Pembentukan DTM | 1.0000000 | O.H | | |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.0000000 | OH | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H | | |
| | | | | | | | Koordinator Penyelarasan Data | 1.0000000 | O.H | | |
| | | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | OH | | |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.0000000 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Software GIS | 8.0000000 | U.H | | |
| | | | | | | | Laptop | 8.0000000 | U.H | | |
| | | | | | | | PC Workstation | 8.0000000 | U.H | | |
| | | | | | | | Printer | 4.0000000 | U.H. | | |
| b) Jumlah | | | | | | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|--|--|-------------------|---------|---|-----------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks pekerjaan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.5000000 | OH |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 0.5000000 | OH |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|-------------|-------------------|-------------------|---------|--|-----------|-----------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | | Plotter A0 | 1.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Software GIS | 4.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.1.3 | Pelaporan | Laporan Persiapan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------|---------|-----------------------------|------------------------------------|-------------------|---------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.2. | Penyiapan Data | A.2.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|----------------|--|-------------------|---------|---|-----------|--------|
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-------------------------------------|----------|-----------------------------|------------------------------------|-------------------|---------|---|-----------|--------|
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.2.3 | Pelaporan | Laporan Penyiapan Data | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.3. | Stereokompilasi (Hasil Akuisisi FU) | A.2.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H |
| | | | | | | | Operator | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|---|---------|----------|--|------------|--------|
| | | | | | | | Stereokompilasi | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.3.2. | Stereoplotting (Semua Unsur) (Kepadatan Fitur Data : Jarang) | Geodatabase IG unsur peta dasar , Geodatabase breakline dan mass point | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 4.0000000 | O.H |
| | | | | | | | Operator Stereokompilasi | 24.0000000 | O.H |
| | | | | | | | 0 | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|---|---|---------|----------|--|----------------|--------|
| | | | | | | | Digital Stereoplotting PC Workstation | 16.000000 0 | U.H |
| | | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | | Software GIS | 16.000000 0 | U.H |
| | | | | | | | Software Stereoplotting | 16.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Stereoplotting (Semua Unsur) (Kepadatan Fitur Data : Sedang) | Geodatabase IG unsur peta dasar , Geodatabase breakline dan mass point | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 2.5000000 | O.H |
| | | | | | | | Staf Administrasi | 2.5000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 5.0000000 | O.H |
| | | | | | | | Operator Stereokompilasi | 30.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 20.000000 0 | U.H |
| | | | | | | | Laptop | 5.0000000 | U.H |
| | | | | | | | Software GIS | 20.000000 0 | U.H |
| | | | | | | | Software Stereoplotting | 20.000000 0 | U.H. |
| | | | | | | | b) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------------------------------|---|--------------|----------|---|----------------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Stereoplottin g (Semua Unsur) | Geodatabase IG unsur peta dasar , Geodatabase breakline dan mass point | digital | NLP (5K) | Personil | | |
| | | | (Kepadatan Fitur Data : Padat) | | | | Ketua Tim | 3.0833333 | O.H |
| | | | | | | | Staf Administrasi | 3.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 6.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 37.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 24.666666 7 | U.H |
| | | | | | | | Laptop | 6.1666667 | U.H |
| | | | | | | | Software GIS | 24.666666 7 | U.H |
| | | | | | | | Software Stereoplotting | 24.666666 7 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.3.3. | Pelaporan | Laporan Stereokompilas | cetak dan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------------------------|----------|-----------------------------|------------------------------------|-------------------|---------|--|-----------|--------|
| | | | | i | digital | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.4. | Pembentukan Topologi dan Poligon | A.2.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|---|------------|----------|--|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.4.2. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--|---|---------|----------|---|-----------|--------|
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | b) Jumlah | | | | | |
| | | | Bahan | | | | | | |
| | | | c) Jumlah | | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | Pembentukan | Geodatabase | digital | NLP (5K) | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|---------|----------|---|-----------|--------|
| | | | n Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | dengan topologi (clean topology dan Seamless) | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.4.3. | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|--|-------------------|----------|---|-----------|--------|
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | b) Jumlah | | | | | | |
| | | | Bahan | | | | | | |
| | | | c) Jumlah | | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | A.2.4.4. | Pelaporan | Laporan Pembentukan Topologi dan Poligon | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------|----------|-----------------------------|------------------------------------|-------------------|---------|--|-----------|--------|
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.5. | Pembentukan DTM | A.2.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan DTM | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------------|----------|-----------------------------|------------------------------------|-------------------|---------|---|-----------|--------|
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.5.3. | Pelaporan | Laporan Pembentukan DTM | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.6. | Pembentukan Kontur dan Spotheight | A.2.6.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.1666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|---------|----------|---|-----------|--------|
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.6.2. | Pembentukan dan Editing Kontur (Topografi Wilayah : Landai) | Geodatabase kontur hipsografi | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.6666667 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 4.0000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--------------------------------|-------------------------------|---------|----------|---|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.6666667 | U.H. |
| | | | | | | | PC Workstation | 2.6666667 | U.H. |
| | | | | | | | Software GIS | 2.6666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Kontur | Geodatabase kontur hipsografi | digital | NLP (5K) | Personil | | |
| | | | (Topografi Wilayah : Berbukit) | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.3333333 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 8.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.3333333 | U.H. |
| | | | | | | | PC Workstation | 5.3333333 | U.H. |
| | | | | | | | Software GIS | 5.3333333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|------------------------|---|-------------------|----------|---|------------|--------|
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.6.3. | Pembentukan Spotheight | Geodatabase Spotheight hipsografi | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.08333333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333333 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.16666667 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 1.00000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.16666667 | U.H. |
| | | | | | | | PC Workstation | 0.66666667 | U.H. |
| | | | | | | | Software GIS | 0.66666667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.6.4. | Pelaporan | Laporan Pembentukan Kontur dan Spotheight | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.00000000 | O.H |
| | | | | | | | Staf Administrasi | 2.00000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 2.00000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|------------------|----------|--|------------------------------------|------------------------------|---------|---|-----------|--------|
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.7. | Persiapan Survey | A.2.7.1. | Persiapan Alat dan Personil Persiapan Survei | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.8333333 | U.H |
| | | | | | | | Plotter A0 | 1.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-------------|--------|--------|--------|--|-----------|--------|
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.2. | Mobilisasi | | | NLP | Personil | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara/Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara-Basecamp/Sebalikny a) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi PP (Koordinator & Operator) | 2.0000000 | O.K |
| | | | | | | | b) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|------------------------------------|-------------|-------------------|---------|---|------------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.3. | Koordinasi dengan Instansi Terkait | Ijin Survei | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 10.0000000 | U.H |
| | | | | | | | Laptop | 10.0000000 | U.H |
| | | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | | Printer | 5.0000000 | U.H |
| | | | | | | | Scanner A4 | 5.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------------|-----------------------------|-------------------|---------|--|-----------|--------|
| | | A.2.7.4. | Demobilisasi | | | NLP | Personil | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara/Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara-Basecamp/Sebalikny a) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi PP (Koordinator & Operator) | 2.0000000 | O.K |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.5. | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Survei | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kelengkapan Lapangan | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------|-------------------|--------|---|------------|-----------|
| | | | | | | | Laptop | 0.08333333 | U.H. |
| | | | | | | | PC Workstation | 0.33333333 | U.H. |
| | | | | | | | Plotter A0 | 0.50000000 | U.H. |
| | | | | | | | Printer | 0.50000000 | U.H. |
| | | | | | | | Software GIS | 0.33333333 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.00500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.02000000 | Rim |
| | | | | | | | Tinta Printer | 0.00200000 | Paket |
| | | | | | | | Tinta Plotter | 0.00040000 | paket |
| | | | | | | | Kertas Peta | 5.00000000 | lembar A0 |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek sedang) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083334 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500007 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1083334 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|----------------|-------------------|--------|--|-----------|-----------|
| | | | | | | | PC Workstation | 0.4333338 | U.H. |
| | | | | | | | Plotter A0 | 0.6500007 | U.H |
| | | | | | | | Printer | 0.6500007 | U.H |
| | | | | | | | Software GIS | 0.4333338 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0050000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | | Kertas Peta | 5.0000000 | lembar A0 |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0699998 | O.H |
| | | | | | | | Staf Administrasi | 0.0699998 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1399996 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.8399973 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1399996 | U.H. |
| | | | | | | | PC Workstation | 0.5599982 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------------------------|----------------------|-------------------|---------|--|-----------|-----------|
| | | | | | | | Plotter A0 | 0.8399973 | U.H |
| | | | | | | | Printer | 0.8399973 | U.H |
| | | | | | | | Software GIS | 0.5599982 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0050000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | | Kertas Peta | 5.0000000 | lembar A0 |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.7. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.0000000 | U.H. |
| | | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------|----------|-------------------|---------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.8. | Pencetakan Formulir | Formulir | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | Kertas HVS A4 | 1.0000000 | Rim |
| | | | | | | | Tinta Printer | 0.1000000 | Paket |
| | | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------|----------|-----------------------------|-------------------------------------|-------------------|---------|---|-----------|--------|
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.9. | Pelaporan | Laporan Survei Kelengkapan Lapangan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.8. | Survey Kelengkapan Lapangan | A.2.8.1. | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-------------|-----------------------------|--------|--------|--|-----------------|--------|
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A0 | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H |
| | | | | | | | Software GIS | 1.1666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.2. | Mobilisasi | Tiket PP, Sewa Kendaraan | | | Personil | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 0 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------------------|----------------|-----------|--------|--|-----------------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara/Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara-Basecamp/Sebalikny a) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi PP (Koordinator & Operator) | 14.0000000 0 | O.K |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Mobilisasi Lokal (Kapal) | Sewa Kapal | | | Personil | | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Kapal | 1.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur | Unsur Rupabumi | cetak dan | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|-------------------|--------|--|-----------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas rendah, cuaca baik) | terverifikasi | digital | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1000000 | O.H |
| | | | | | | | Operator Survei | 0.6000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kelengkapan Lapangan | | |
| | | | | | | | Buruh Lokal | 0.6000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6000000 | U.H |
| | | | | | | | Kamera Digital | 0.6000000 | U.H |
| | | | | | | | Laptop | 0.8000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0583333 | O.H |
| | | | | | | | Staf Administrasi | 0.0583333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1166667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.7000000 | O.H |
| | | | | | | | Buruh Lokal | 0.7000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Akomodasi | 0.8166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7000000 | U.H |
| | | | | | | | Kamera Digital | 0.7000000 | U.H |
| | | | | | | | Laptop | 0.9333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0666667 | O.H |
| | | | | | | | Staf Administrasi | 0.0666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.8000000 | O.H |
| | | | | | | | Buruh Lokal | 0.8000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.9333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.8000000 | U.H |
| | | | | | | | Kamera Digital | 0.8000000 | U.H |
| | | | | | | | Laptop | 1.0666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | | Kamera Digital | 0.6500000 | U.H |
| | | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0650000 | O.H |
| | | | | | | | Staf Administrasi | 0.0650000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1300000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.7800000 | O.H |
| | | | | | | | Buruh Lokal | 0.7800000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.9100000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7800000 | U.H |
| | | | | | | | Kamera Digital | 0.7800000 | U.H |
| | | | | | | | Laptop | 1.0400000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0758333 | O.H |
| | | | | | | | Staf Administrasi | 0.0758333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|--|-----------|--------|
| | | | (dengan kesulitan aksesibilitas berat, cuaca buruk) | | | | Koordinator Survey Kelengkapan Lapangan | 0.1516667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.9100000 | O.H |
| | | | | | | | Buruh Lokal | 0.9100000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.0616667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.9100000 | U.H |
| | | | | | | | Kamera Digital | 0.9100000 | U.H |
| | | | | | | | Laptop | 1.2133333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0866667 | O.H |
| | | | | | | | Staf Administrasi | 0.0866667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1733333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0400000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Buruh Lokal | 1.0400000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.2133333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0400000 | U.H |
| | | | | | | | Kamera Digital | 1.0400000 | U.H |
| | | | | | | | Laptop | 1.3866667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan | 1.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kelengkapannya | | |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |
| | | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2500000 | O.H |
| | | | | | | | Staf Administrasi | 0.2500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 3.0000000 | O.H |
| | | | | | | | Buruh Lokal | 3.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.5000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.0000000 | U.H |
| | | | | | | | Kamera Digital | 3.0000000 | U.H |
| | | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi | Batas Wilayah | cetak | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Indikatif | dan digital | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.6666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 4.0000000 | O.H |
| | | | | | | | Buruh Lokal | 4.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.6666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.0000000 | U.H |
| | | | | | | | Kamera Digital | 4.0000000 | U.H |
| | | | | | | | Laptop | 5.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Survei | 1.3000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | objek padat, cuaca buruk) | | | | Kelengkapan Lapangan | | |
| | | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | | Laptop | 1.7333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|--|-----------|--------|
| | | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3250000 | O.H |
| | | | | | | | Staf Administrasi | 0.3250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 3.9000000 | O.H |
| | | | | | | | Buruh Lokal | 3.9000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.5500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.9000000 | U.H |
| | | | | | | | Kamera Digital | 3.9000000 | U.H |
| | | | | | | | Laptop | 5.2000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4333333 | O.H |
| | | | | | | | Staf Administrasi | 0.4333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.8666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.2000000 | O.H |
| | | | | | | | Buruh Lokal | 5.2000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.0666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.2000000 | U.H |
| | | | | | | | Kamera Digital | 5.2000000 | U.H |
| | | | | | | | Laptop | 6.9333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | Mobil | 0.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|--|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.5000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | | GPS Handheld dan | 2.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kelengkapannya | | |
| | | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | | Kamera Digital | 0.6500000 | U.H |
| | | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | | Laptop | 1.7333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi | Batas Wilayah | cetak | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|--|-----------|--------|
| | | | Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Indikatif | dan digital | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.2750000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | | Operator Survei | 2.6000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------------|-------------------------|--------|---|-----------|--------|
| | | | objek jarang, cuaca buruk) | | | | Kelengkapan Lapangan | | |
| | | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpul an Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.7500000 | O.H |
| | | | | | | | Staf Administrasi | 0.7500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 9.0000000 | O.H |
| | | | | | | | Buruh Lokal | 9.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|--|------------|--------|
| | | | | | | | Akomodasi | 10.5000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 9.0000000 | U.H |
| | | | | | | | Kamera Digital | 9.0000000 | U.H |
| | | | | | | | Laptop | 12.0000000 | U.H |
| | | | | | | | Mobil | 9.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.8333333 | O.H |
| | | | | | | | Staf Administrasi | 0.8333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.6666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 10.0000000 | O.H |
| | | | | | | | Buruh Lokal | 10.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 11.6666667 | U.H |
| | | | | | | | GPS Handheld dan | 10.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | | | | | Kelengkapannya | 0 | |
| | | | | | | | Kamera Digital | 10.000000 0 | U.H |
| | | | | | | | Laptop | 13.333333 3 | U.H |
| | | | | | | | Mobil | 10.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.9166667 | O.H |
| | | | | | | | Staf Administrasi | 0.9166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.8333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 11.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 11.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 12.833333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 11.000000 0 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | | | | | Kamera Digital | 11.000000 0 | U.H |
| | | | | | | | Kapal | 0.1896552 | U.H |
| | | | | | | | Mobil | 10.810344 8 | U.H |
| | | | | | | | Laptop | 14.666666 7 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 12.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 12.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 14.000000 0 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 12.000000 0 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|--|----------------|--------|
| | | | | | | | Kamera Digital | 12.000000 0 | U.H |
| | | | | | | | Laptop | 16.000000 0 | U.H |
| | | | | | | | Mobil | 12.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.9750000 | O.H |
| | | | | | | | Staf Administrasi | 0.9750000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 11.700000 0 | O.H |
| | | | | | | | Buruh Lokal | 11.700000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 13.650000 0 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 11.700000 0 | U.H |
| | | | | | | | Kamera Digital | 11.700000 0 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|--|----------------|--------|
| | | | | | | | Laptop | 15.600000 0 | U.H |
| | | | | | | | Mobil | 11.700000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.0833333 | O.H |
| | | | | | | | Staf Administrasi | 1.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 13.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 13.000000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 15.166666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 13.000000 0 | U.H |
| | | | | | | | Kamera Digital | 13.000000 0 | U.H |
| | | | | | | | Laptop | 17.333333 3 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | | | | | Mobil | 13.000000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.1916667 | O.H |
| | | | | | | | Staf Administrasi | 1.1916667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.3833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 14.300000 0 | O.H |
| | | | | | | | Buruh Lokal | 14.300000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 16.683333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 14.300000 0 | U.H |
| | | | | | | | Kamera Digital | 14.300000 0 | U.H |
| | | | | | | | Kapal | 0.2465517 | U.H |
| | | | | | | | Mobil | 14.053448 3 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | | | | | Laptop | 19.066666 7 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.3000000 | O.H |
| | | | | | | | Staf Administrasi | 1.3000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 15.600000 0 | O.H |
| | | | | | | | Buruh Lokal | 15.600000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 18.200000 0 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 15.600000 0 | U.H |
| | | | | | | | Kamera Digital | 15.600000 0 | U.H |
| | | | | | | | Laptop | 20.800000 0 | U.H |
| | | | | | | | Mobil | 15.600000 0 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.8333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | Buruh Lokal | 5.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.8333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.0000000 | U.H |
| | | | | | | | Kamera Digital | 5.0000000 | U.H |
| | | | | | | | Laptop | 6.6666667 | U.H |
| | | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 6.0000000 | O.H |
| | | | | | | | Buruh Lokal | 6.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 7.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 6.0000000 | U.H |
| | | | | | | | Kamera Digital | 6.0000000 | U.H |
| | | | | | | | Laptop | 8.0000000 | U.H |
| | | | | | | | Mobil | 6.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi | cetak dan | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|--|------------|--------|
| | | | Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Terkumpul | digital | | Staf Administrasi | 0.58333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 7.0000000 | O.H |
| | | | | | | | Buruh Lokal | 7.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 8.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 7.0000000 | U.H |
| | | | | | | | Kamera Digital | 7.0000000 | U.H |
| | | | | | | | Kapal | 0.1206897 | U.H |
| | | | | | | | Mobil | 6.8793103 | U.H |
| | | | | | | | Laptop | 9.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.3333333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|--|------------|--------|
| | | | aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | | | | Operator Survei Kelengkapan Lapangan | 8.0000000 | O.H |
| | | | | | | | Buruh Lokal | 8.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.3333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 8.0000000 | U.H |
| | | | | | | | Kamera Digital | 8.0000000 | U.H |
| | | | | | | | Laptop | 10.6666667 | U.H |
| | | | | | | | Mobil | 8.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5416667 | O.H |
| | | | | | | | Staf Administrasi | 0.5416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 6.5000000 | O.H |
| | | | | | | | Buruh Lokal | 6.5000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 7.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 6.5000000 | U.H |
| | | | | | | | Kamera Digital | 6.5000000 | U.H |
| | | | | | | | Laptop | 8.6666667 | U.H |
| | | | | | | | Mobil | 6.5000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.6500000 | O.H |
| | | | | | | | Staf Administrasi | 0.6500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 7.8000000 | O.H |
| | | | | | | | Buruh Lokal | 7.8000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.1000000 | U.H |
| | | | | | | | GPS Handheld dan | 7.8000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|--|------------|--------|
| | | | | | | | Kelengkapannya | | |
| | | | | | | | Kamera Digital | 7.8000000 | U.H |
| | | | | | | | Laptop | 10.4000000 | U.H |
| | | | | | | | Mobil | 7.8000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.7583333 | O.H |
| | | | | | | | Staf Administrasi | 0.7583333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.5166667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 9.1000000 | O.H |
| | | | | | | | Buruh Lokal | 9.1000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 10.6166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 9.1000000 | U.H |
| | | | | | | | Kamera Digital | 9.1000000 | U.H |
| | | | | | | | Kapal | 0.1568966 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | Mobil | 8.9431034 | U.H |
| | | | | | | | Laptop | 12.1333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.8666667 | O.H |
| | | | | | | | Staf Administrasi | 0.8666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.7333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 10.4000000 | O.H |
| | | | | | | | Buruh Lokal | 10.4000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 12.1333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 10.4000000 | U.H |
| | | | | | | | Kamera Digital | 10.4000000 | U.H |
| | | | | | | | Laptop | 13.8666666 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | | | | | Mobil | 10.400000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | Mobil | 1.5000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------------|-------------------------|--------|---|-----------|--------|
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpul an Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4166667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.5000000 | O.H |
| | | | | | | | Buruh Lokal | 2.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.9166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.5000000 | U.H |
| | | | | | | | Kamera Digital | 2.5000000 | U.H |
| | | | | | | | Laptop | 3.3333333 | U.H |
| | | | | | | | Mobil | 2.5000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
|-------------------|-----------|--|--|-------------------------------|-------------------|--------|---|-----------|--------|--|--|
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | | | |
| | | | | | | | Ketua Tim | 0.2916667 | O.H | | |
| | | | | | | | Staf Administrasi | 0.2916667 | O.H | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5833333 | O.H | | |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 3.5000000 | O.H | | |
| | | | | | | | Buruh Lokal | 3.5000000 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Akomodasi | 4.0833333 | U.H | | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.5000000 | U.H | | |
| | | Kamera Digital | 3.5000000 | U.H | | | | | | | |
| | | Kapal | 0.0603448 | U.H | | | | | | | |
| | | Mobil | 3.4396552 | U.H | | | | | | | |
| | | Laptop | 4.6666667 | U.H | | | | | | | |
| | | b) Jumlah | | | | | | | | | |
| | | Bahan | | | | | | | | | |
| | | ATK | 0.0400000 | Set | | | | | | | |
| | | c) Jumlah | | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | | | |
| Ketua Tim | 0.3750000 | | | | | | O.H | | | | |
| Staf Administrasi | 0.3750000 | | | | | | O.H | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|--|-----------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | | | | Koordinator Survey Kelengkapan Lapangan | 0.7500000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 4.5000000 | O.H |
| | | | | | | | Buruh Lokal | 4.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.2500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.5000000 | U.H |
| | | | | | | | Kamera Digital | 4.5000000 | U.H |
| | | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | | Mobil | 4.5000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | | Operator Survei Kelengkapan | 1.9500000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------------|-------------------------|--------|--|-----------|--------|
| | | | objek jarang, cuaca buruk) | | | | Lapangan | | |
| | | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.2750000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | | Mobil | 1.9500000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpul an Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2708333 | O.H |
| | | | | | | | Staf Administrasi | 0.2708333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5416667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 3.2500000 | O.H |
| | | | | | | | Buruh Lokal | 3.2500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|--|-----------|--------|
| | | | | | | | Akomodasi | 3.7916667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.2500000 | U.H |
| | | | | | | | Kamera Digital | 3.2500000 | U.H |
| | | | | | | | Laptop | 4.3333333 | U.H |
| | | | | | | | Mobil | 3.2500000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3791667 | O.H |
| | | | | | | | Staf Administrasi | 0.3791667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.7583333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 4.5500000 | O.H |
| | | | | | | | Buruh Lokal | 4.5500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.3083333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.5500000 | U.H |
| | | | | | | | Kamera Digital | 4.5500000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kapal | 0.0784483 | U.H |
| | | | | | | | Mobil | 4.4715517 | U.H |
| | | | | | | | Laptop | 6.0666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4875000 | O.H |
| | | | | | | | Staf Administrasi | 0.4875000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.9750000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.8500000 | O.H |
| | | | | | | | Buruh Lokal | 5.8500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.8250000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.8500000 | U.H |
| | | | | | | | Kamera Digital | 5.8500000 | U.H |
| | | | | | | | Laptop | 7.8000000 | U.H |
| | | | | | | | Mobil | 5.8500000 | U.H |
| | | | | | | | b) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0138889 | O.H |
| | | | | | | | Staf Administrasi | 0.0138889 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0277778 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|-------------------|--------|--|-----------|--------|
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0208333 | O.H |
| | | | | | | | Staf Administrasi | 0.0208333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0416667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 0.2500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------------|-------------------------|--------|--|-----------|--------|
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|-------------------|--------|--|-----------|--------|
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0198413 | O.H |
| | | | | | | | Staf Administrasi | 0.0198413 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0396825 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3174603 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0297619 | O.H |
| | | | | | | | Staf Administrasi | 0.0297619 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0595238 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | | Laptop | 0.4761905 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1190476 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.7142857 | O.H |
| | | | | | | | Buruh Lokal | 0.7142857 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | | Laptop | 0.9523810 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | | Staf Administrasi | 0.1190476 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-----------------|-------------------|--------|--|-----------|--------|
| | | | aksesibilitas sangat berat, cuaca buruk) | | | | Koordinator Survey Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.4285714 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 1.4285714 | U.H |
| | | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | | Laptop | 1.9047619 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.7. | Pengolahan Data SKL (Kepadatan Objek Jarang) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--|-----------------|-------------------|--------|---|-----------|--------|
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | | Laptop | 1.0833333 | U.H |
| | | | | | | | Scanner A4 | 1.3000000 | U.H |
| | | | | | | | Scanner A0 | 1.3000000 | U.H. |
| | | | | | | | Software GIS | 0.8666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengolahan Data SKL (Kepadatan Objek Sedang) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1500000 | O.H |
| | | | | | | | Staf Administrasi | 0.1500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.8000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.1000000 | U.H |
| | | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | | Scanner A4 | 1.8000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|---|-----------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Scanner A0 | 1.8000000 | U.H. |
| | | | | | | | Software GIS | 1.2000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengolahan Data SKL (Kepadatan Objek Padat) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1916667 | O.H |
| | | | | | | | Staf Administrasi | 0.1916667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.3000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.6833333 | U.H |
| | | | | | | | Laptop | 1.9166667 | U.H |
| | | | | | | | Scanner A4 | 2.3000000 | U.H |
| | | | | | | | Scanner A0 | 2.3000000 | U.H. |
| | | | | | | | Software GIS | 1.5333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | ATK | 0.0400000 | Set | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------|-------------------------------------|-------------------|---------|--|------------|--------|
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.8. | Demobilisasi | Tiket PP, Sewa Kendaraan | | | Personil | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara/Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara-Basecamp/Sebalikny a) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi PP (Koordinator & Operator) | 14.0000000 | O.K |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.10 | Pelaporan | Laporan Survei Kelengkapan Lapangan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-------------------|----------|-----------------------------|------------------------------------|-------------------|---------|--|-----------|--------|
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.9. | Penyelarasan Data | A.2.9.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.1666667 | O.H |
| | | | | | | | Operator Penyelarasan Data | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | | PC Workstation | 0.6666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|---------|----------|--|-----------|--------|
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.9.2. | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.4166667 | O.H |
| | | | | | | | Operator Penyelarasan Data | 2.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.4166667 | U.H |
| | | | | | | | PC Workstation | 1.6666667 | U.H |
| | | | | | | | Software GIS | 1.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--|--|------------|----------|---|-----------|--------|
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | | Koordinator Penyelaras Data | 0.8333333 | O.H |
| | | | | | | | Operator Penyelaras Data | 5.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.8333333 | U.H |
| | | | | | | | PC Workstation | 3.3333333 | U.H |
| | | | | | | | Software GIS | 3.3333333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.6250000 | O.H |
| | | | | | | | Staf Administrasi | 0.6250000 | O.H |
| | | | | | | | Koordinator Penyelaras Data | 1.2500000 | O.H |
| | | | | | | | Operator Penyelaras Data | 7.5000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------|--|---------|----------|---|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.2500000 | U.H |
| | | | | | | | PC Workstation | 5.0000000 | U.H |
| | | | | | | | Software GIS | 5.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.9.3. | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (5K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1000000 | O.H |
| | | | | | | | Staf Administrasi | 0.1000000 | O.H |
| | | | | | | | Koordinator Penyelarasn Data | 0.2000000 | O.H |
| | | | | | | | Operator Penyelarasn Data | 1.2000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2000000 | U.H |
| | | | | | | | PC Workstation | 0.8000000 | U.H |
| | | | | | | | Software GIS | 0.8000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-------------------------------|---|-------------------|-------------------|---|-----------|--------|
| | | | | | | | (a+b+c) | | |
| | | A.2.9.4. | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | digital | Geodatabase Final | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Penyelaras Data | 0.4166667 | O.H |
| | | | | | | | Operator Penyelaras Data | 2.5000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.4166667 | U.H |
| | | | | | | | PC Workstation | 1.6666667 | U.H |
| | | | | | | | Software GIS | 1.6666667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.9.5. | Pelaporan | Laporan Penyelaras Data | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Penyelaras Data | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------------|----------|-----------------------------|------------------------------------|-------------------|---------|--|-----------|--------|
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.10 | Pembentukan Metadata | A.2.10.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | Operator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 2.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|----------------------|---|---------|-------------|---|-----------|--------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.10.2 | Pembentukan Metadata | Metadata yang telah dimasukkan dalam Geodatabase (merujuk pada ISO 19115) | digital | Geodatabase | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | Operator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | | Software GIS | 2.0000000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|---------------------------|----------|-----------------------------|------------------------------------|------------------------------|---------|--|-----------|--------|
| | | A.2.10.3 | Pelaporan | Laporan Pembuatan Metadata | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 2.0000000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.11 | Penyajian Hasil Pekerjaan | A.2.11.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------------|---------|--------|--|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Plotter A0 | 1.0000000 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 2.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.11.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout dalam format yang ditentukan | Digital | Tema | Personil | | |
| | | | | | | | Ketua Tim | 0.1428571 | O.H |
| | | | | | | | Staf Administrasi | 0.1428571 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.1428571 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 0.1428571 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2857143 | U.H. |
| | | | | | | | PC Workstation | 0.2857143 | U.H. |
| | | | | | | | Software GIS | 0.2857143 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|----------------------------|---------------------------------------|-------------------|--------|---|-----------|-----------|
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.11.3 | Pencetakan Hasil Pekerjaan | hasil pekerjaan dalam format hardcopy | cetak dan digital | Lembar | Personil | | |
| | | | | | | | Ketua Tim | 0.0714286 | O.H |
| | | | | | | | Staf Administrasi | 0.0714286 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.0714286 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 0.0714286 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1428571 | U.H. |
| | | | | | | | PC Workstation | 0.1428571 | U.H. |
| | | | | | | | Plotter A0 | 0.0714286 | U.H. |
| | | | | | | | Software GIS | 0.1428571 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | | Tinta Plotter | 0.0006000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | | |
|---|-----------|----------|-------------------|-----------------------------------|-------------------|---------|---------------------------------------|-----------|--------|--|--|
| | | A.2.11.4 | Pelaporan | Laporan Penyajian hasil pekerjaan | cetak dan digital | Dokumen | Personil | | | | |
| | | | | Album peta (draft dan akhir) | | | Ketua Tim | 2.0000000 | O.H | | |
| | | | | soft copy data | | | Staf Administrasi | 2.0000000 | O.H | | |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 2.0000000 | O.H | | |
| | | | | a) Jumlah | | | | | | | |
| | | | | Alat | | | | | | | |
| | | | | | | | Laptop | 4.0000000 | U.H. | | |
| | | | | | | | PC Workstation | 2.0000000 | U.H. | | |
| | | | | | | | Printer | 2.0000000 | U.H. | | |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. | | |
| | | | | b) Jumlah | | | | | | | |
| | | | | Bahan | | | | | | | |
| | | | | | | | ATK | 1.0000000 | Set | | |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim | | |
| | | | | | | | Tinta Printer | 0.0200000 | Paket | | |
| | | | | c) Jumlah | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | |
| A.2.12 | Pelaporan | A.2.12.1 | Kompilasi Laporan | Kompilasi Laporan | | Dokumen | Personil | | | | |
| | | | | | | | Ketua Tim | 5.0000000 | O.H | | |
| | | | | | | | Staf Administrasi | 5.0000000 | O.H | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|--------|---|------------|--------|
| | | | | | | | Koordinator Stereokompilasi | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.2500000 | OH |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.2500000 | O.H |
| | | | | | | | Koordinator Penyelarsan Data | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 1.2500000 | OH |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.2500000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.0000000 | U.H. |
| | | | | | | | PC Workstation | 10.0000000 | U.H. |
| | | | | | | | Printer | 5.0000000 | U.H. |
| | | | | | | | Scanner A4 | 5.0000000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|--------|--|-----------|-------------|
| | | | | | | | Harddisk Eksternal | 1.0000000 | Unit |
| | | | | | | | Kertas HVS A4 | 2.0000000 | RIM |
| | | | | | | | Penjilidan | 3.0000000 | Rangka p |
| | | | | | | | Tinta Printer | 1.0000000 | Paket |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

Keterangan:

- Mobilisasi Lokal (Kapal) digunakan jika transportasi menuju area pekerjaan memerlukan transportasi lokal kapal.
- Koefisien alat yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisis Biaya Keluaran Kegiatan

b. Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara - LiDAR

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara dan LiDAR dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara dan LiDAR:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Kepadatan Fitur

Kepadatan fitur data diklasifikasikan berdasarkan luasan tutupan lahan bangunan dan atau sawah yang menutupi blok pekerjaan.

Jarang : Tutupan lahan bangunan dan atau sawah mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan atau sawah mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan atau sawah mencakup >60% blok pekerjaan

4. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

5. Kepadatan Administrasi

Faktor Kepadatan Administrasi diklasifikasikan berdasarkan jumlah desa per luasan 5.3 Km².

Jarang : Jika rerata jumlah desa per Luasan 5.3 Km² kurang dari 4 desa

Padat : Jika rerata jumlah desa per Luasan 5.3 Km² sama dengan atau lebih dari 4 desa

6. Topografi

Faktor topografi wilayah didasarkan pada persentase kemiringan lereng.

Landai : Bentuk topografi dengan kelereng <20%

Berbukit : Bentuk topografi dengan kelereng >20%

Tabel berikut menunjukkan besaran koefisien pada Pemetaan RBI Skala Besar (1:5.000) Menggunakan Data Foto Udara dan LiDAR:

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|---|-----------|---------|-----------------------------|--|---------|--|-----------|--------|
| A.2.1. | Persiapan | A.2.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.0000000 | O.H |
| | | | | | | Staf Administrasi | 4.0000000 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 1.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| Koordinator Pembentukan DTM Hydro Enforcement | 1.0000000 | O.H | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|--|--|---------|--|-----------|--------|
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.0000000 | OH |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 8.0000000 | U.H |
| | | | | | | PC Workstation | 8.0000000 | U.H |
| | | | | | | Printer | 4.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks pekerjaan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 0.5000000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.5000000 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 0.5000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|-------------|-------------------|---------|--|-----------|-----------|
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.5000000 | OH |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.5000000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 0.5000000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | Plotter A0 | 1.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | Software GIS | 4.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | Tinta Plotter | 0.0004000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------|---------|-----------------------------|------------------------------------|---------|--|-----------|--------|
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.2. | Penyiapan Data | A.2.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 0.1666667 | O.H |
| | | | | | | Operator Digitasi Foto Udara dan Lidar | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|----------------|--|---------|---|-----------|--------|
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 0.1666667 | O.H |
| | | | | | | Operator Digitasi Foto Udara dan Lidar | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-------------------------------|----------|-----------------------------|------------------------------------|---------|--|-----------|--------|
| | | | | | | dan Lidar | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.3. | Digitasi Foto Udara dan Lidar | A.2.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 0.1666667 | O.H |
| | | | | | | Operator Digitasi Foto Udara dan Lidar | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.6666667 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|----------|---|-----------|--------|
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.3.2. | Digitasi Foto Udara dan Lidar (Sebagian Unsur) | Geodatabas e IG unsur peta dasar, Geodatabas e breakline | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 0.6666667 | O.H |
| | | | | | | Operator Digitasi Foto Udara dan Lidar | 4.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.6666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 2.6666667 | U.H. |
| | | | | | | Software GIS | 2.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 2.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Digitasi Foto Udara dan Lidar (Sebagian Unsur) | Geodatabas e IG unsur peta dasar, Geodatabas e breakline | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 1.3333333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------------------------|----------|-----------------------------|---------------------------------------|---------|---|-----------|--------|
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.3.3. | Pelaporan | Laporan Digitasi Foto Udara dan Lidar | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.4. | Pembentukan Topologi dan Poligon | A.2.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|---|----------|---|-----------|--------|
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.4.2. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi | Geodatabase dengan | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1250000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|---|---|----------|---|-----------|--------|
| | | | dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | topologi (clean topology dan Seamless) | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|----------|---|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.4.3. | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | b) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|--|----------|---|-----------|--------|
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.2.4.4. | Pelaporan | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------------|----------|-----------------------------|------------------------------------|---------|--|-----------|--------|
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.5. | Pembentukan DTM Hydro Enforcement | A.2.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan DTM Hydro Enforcement | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.0666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------------------------|---|----------|---|-----------|--------|
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.5.2. | Pembentukan Hydro Enforced DTM | Hydro Enforced DTM, Unsur perairan, dan breakline | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 0.6666667 | O.H |
| | | | | | | Operator Pembentukan DTM Hydro Enforcement | 4.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.6666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 2.6666667 | U.H. |
| | | | | | | Software GIS | 2.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.2666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.5.3. | Editing DTM | DTM | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan DTM Hydro Enforcement | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|--------------------|----------|--------------------|--|---------|---|-----------|--------|
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Software Stereoplotting | 0.0666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.5.4. | Pelaporan | Laporan Pembentukan Hydro Enforced DTM | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.6. | Pembentukan Kontur | A.2.6.1. | Penyiapan Alat dan | Dokumen kesiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
|----------------|----------------|--|--|-------------------------------|----------|---|------------|--------|--|
| | dan Spotheight | | Personil | alat dan personil | | Staf Administrasi | 0.08333333 | O.H | |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.16666667 | O.H | |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 1.00000000 | O.H | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 0.16666667 | U.H. | |
| | | | | | | PC Workstation | 0.66666667 | U.H. | |
| | | | | | | Printer | 1.00000000 | U.H. | |
| | | | | | | Scanner A4 | 1.00000000 | U.H. | |
| | | | | | | Software GIS | 0.66666667 | U.H. | |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1.00000000 | Set | |
| | | Kertas HVS A4 | 0.02000000 | Rim | | | | | |
| | | Tinta Printer | 0.00200000 | Paket | | | | | |
| | | c) Jumlah | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | A.2.6.2. | Pembentukan dan Editing Kontur (Topografi Wilayah : Landai) | Geodatabase kontur hipsografi | NLP (5K) | Personil | | | |
| | | | | | | Ketua Tim | 0.33333333 | O.H | |
| | | | | | | Staf Administrasi | 0.33333333 | O.H | |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.66666667 | O.H | |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 4.00000000 | O.H | |
| | | | | | | a) Jumlah | | | |
| Alat | | | | | | | | | |
| Laptop | 0.66666667 | | | | | U.H. | | | |
| PC Workstation | 2.66666667 | | | | | U.H. | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------------------------|----------|---|-----------|--------|
| | | | | | | Software GIS | 2.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Kontur (Topografi Wilayah : Berbukit) | Geodatabase kontur hipsografi | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spothight | 1.3333333 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spothight | 8.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.3333333 | U.H. |
| | | | | | | PC Workstation | 5.3333333 | U.H. |
| | | | | | | Software GIS | 5.3333333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.6.3. | Pembentukan Spothight | Geodatabase Spothight hipsografi | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spothight | 0.1666667 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spothight | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|------------------|----------|--------------------|---|---------|---|-----------|--------|
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.6.4. | Pelaporan | Laporan Pembentukan Kontur dan Spotheight | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.7. | Persiapan Survey | A.2.7.1. | Persiapan Alat dan | Dokumen kesiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------------|-------------------|--------|---|------------|--------|
| | | | Personil Persiapan Survei | alat dan personil | | Staf Administrasi | 0.08333333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.16666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.00000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.83333333 | U.H |
| | | | | | | Plotter A0 | 1.00000000 | U.H |
| | | | | | | Printer | 1.00000000 | U.H |
| | | | | | | Scanner A4 | 1.00000000 | U.H. |
| | | | | | | Software GIS | 0.66666667 | U.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000000 | Set |
| | | | | | | Kertas HVS A4 | 0.02000000 | Rim |
| | | | | | | Tinta Printer | 0.00200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.2. | Mobilisasi | | NLP | Personil | | |
| | | | | | | Staf Administrasi | 0.00000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.00000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.00000000 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.00000000 | U.H |
| | | | | | | Tiket PP | 2.00000000 | O.K |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|------------------------------------|-------------|---------|---|------------|--------|
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.3. | Koordinasi dengan Instansi Terkait | Ijin Survei | Dokumen | Personil | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.0000000 | U.H |
| | | | | | | Laptop | 10.0000000 | U.H |
| | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | Printer | 5.0000000 | U.H |
| | | | | | | Scanner A4 | 5.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.2500000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.4. | Demobilisasi | | NLP | Personil | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------------|-----------------------------|---------|--|-----------|--------|
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket PP | 2.0000000 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.5. | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.2500000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------|--------|---|-----------|-----------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.0833333 | U.H. |
| | | | | | | PC Workstation | 0.3333333 | U.H. |
| | | | | | | Plotter A0 | 0.5000000 | U.H |
| | | | | | | Printer | 0.5000000 | U.H |
| | | | | | | Software GIS | 0.3333333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0050000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | Kertas Peta | 5.0000000 | lembar A0 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1083334 | O.H |
| | | | | | | Operator Survei Kelengkapan | 0.6500007 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|----------------|--------|--|-----------|-----------|
| | | | sedang) | | | Lapangan | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1083334 | U.H. |
| | | | | | | PC Workstation | 0.4333338 | U.H. |
| | | | | | | Plotter A0 | 0.6500007 | U.H |
| | | | | | | Printer | 0.6500007 | U.H |
| | | | | | | Software GIS | 0.4333338 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0050000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | Kertas Peta | 5.0000000 | lembar A0 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0699998 | O.H |
| | | | | | | Staf Administrasi | 0.0699998 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1399996 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.8399973 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1399996 | U.H. |
| | | | | | | PC Workstation | 0.5599982 | U.H. |
| | | | | | | Plotter A0 | 0.8399973 | U.H |
| | | | | | | Printer | 0.8399973 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--------------------------------|----------------------|---------|---|-----------|-----------|
| | | | | | | Software GIS | 0.5599982 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0050000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | Kertas Peta | 5.0000000 | lembar A0 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.7. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.0000000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.2500000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.8. | Pencetakan | Formulir | Dokumen | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-------------|-------------------------------------|---------|--|------------|--------|
| | | | Formulir | | | Ketua Tim | 0.08333333 | O.H |
| | | | | | | Staf Administrasi | 0.08333333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas HVS A4 | 1.0000000 | Rim |
| | | | | | | Tinta Printer | 0.1000000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.7.9. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------|----------|-----------------------------|----------------------------|---------|---|-----------|--------|
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.8. | Survey Kelengkapan Lapangan | A.2.8.1. | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A0 | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H |
| | | | | | | Software GIS | 1.1666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.2. | Mobilisasi | Tiket PP, Sewa | | Personil | | |
| | | | | | | Koordinator Survei Kelengkapan | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-----------------------------------|------------------------------|--------|---|----------------|--------|
| | | | | Kendaraan | | Lapangan | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.000000 0 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket PP | 14.000000 0 | O.K |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Mobilisasi Lokal (Kapal) | Sewa Kapal | | Personil | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|-----------|--------|
| | | | kesulitan aksesibilitas rendah, cuaca baik) | | | Lapangan | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.6000000 | O.H |
| | | | | | | Buruh Lokal | 0.6000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.7000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.6000000 | U.H |
| | | | | | | Kamera Digital | 0.6000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 0.8000000 | U.H |
| | | | | | | Mobil | 0.6000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0583333 | O.H |
| | | | | | | Staf Administrasi | 0.0583333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.7000000 | O.H |
| | | | | | | Buruh Lokal | 0.7000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.8166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.7000000 | U.H |
| | | | | | | Kamera Digital | 0.7000000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 0.9333333 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0666667 | O.H |
| | | | | | | Staf Administrasi | 0.0666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | | | Koordinator Survei Kelengkapan Lapangan | 0.1333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.8000000 | O.H |
| | | | | | | Buruh Lokal | 0.8000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.9333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.8000000 | U.H |
| | | | | | | Kamera Digital | 0.8000000 | U.H |
| | | | | | | Laptop | 1.0666667 | U.H |
| | | | | | | Mobil | 0.8000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | Kamera Digital | 0.6500000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | Mobil | 0.6500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0650000 | O.H |
| | | | | | | Staf Administrasi | 0.0650000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1300000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.7800000 | O.H |
| | | | | | | Buruh Lokal | 0.7800000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.9100000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.7800000 | U.H |
| | | | | | | Kamera Digital | 0.7800000 | U.H |
| | | | | | | Laptop | 1.0400000 | U.H |
| | | | | | | Mobil | 0.7800000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0758333 | O.H |
| | | | | | | Staf Administrasi | 0.0758333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas berat, cuaca buruk) | | | Koordinator Survei Kelengkapan Lapangan | 0.1516667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.9100000 | O.H |
| | | | | | | Buruh Lokal | 0.9100000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.0616667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.9100000 | U.H |
| | | | | | | Kamera Digital | 0.9100000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 1.2133333 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0866667 | O.H |
| | | | | | | Staf Administrasi | 0.0866667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1733333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0400000 | O.H |
| | | | | | | Buruh Lokal | 1.0400000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.2133333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0400000 | U.H |
| | | | | | | Kamera Digital | 1.0400000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 1.3866667 | U.H |
| | | | | | | Mobil | 1.0400000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|--|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | | | Koordinator Survei Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |
| | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | Mobil | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2500000 | O.H |
| | | | | | | Staf Administrasi | 0.2500000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.0000000 | O.H |
| | | | | | | Buruh Lokal | 3.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.5000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.0000000 | U.H |
| | | | | | | Kamera Digital | 3.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|-----------|--------|
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.6666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.0000000 | O.H |
| | | | | | | Buruh Lokal | 4.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.6666667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.0000000 | U.H |
| | | | | | | Kamera Digital | 4.0000000 | U.H |
| | | | | | | Laptop | 5.3333333 | U.H |
| | | | | | | Mobil | 4.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | Staf Administrasi | 0.1083333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | | | Koordinator Survei Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | Laptop | 1.7333333 | U.H |
| | | | | | | Mobil | 1.3000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | Kamera Digital | 2.6000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | Mobil | 2.6000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3250000 | O.H |
| | | | | | | Staf Administrasi | 0.3250000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.9000000 | O.H |
| | | | | | | Buruh Lokal | 3.9000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.5500000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.9000000 | U.H |
| | | | | | | Kamera Digital | 3.9000000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 5.2000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.4333333 | O.H |
| | | | | | | Staf Administrasi | 0.4333333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
|------|---------|----------|---|--|-------------------------|---|---|-----------|---|-----------|-----|
| | | | (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | | | Koordinator Survei Kelengkapan Lapangan | 0.8666667 | O.H | | | |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.2000000 | O.H | | |
| | | | | | | | Buruh Lokal | 5.2000000 | O.H | | |
| | | | | | | | a) Jumlah | | | | |
| | | | | | | | Alat | | | | |
| | | | | | | | Akomodasi | 6.0666667 | U.H | | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.2000000 | U.H | | |
| | | | | | | | Kamera Digital | 5.2000000 | U.H | | |
| | | | | | | | Laptop | 6.9333333 | U.H | | |
| | | | | | | | Mobil | 5.2000000 | U.H | | |
| | | | | | | | b) Jumlah | | | | |
| | | | | | | | Bahan | | | | |
| | | | | | | | ATK | 0.0400000 | Set | | |
| | | | | | | | c) Jumlah | | | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | A.2.8.4. | | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | | |
| | | | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | Kamera Digital | 0.5000000 | U.H | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | Staf Administrasi | 0.1250000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | | | Koordinator Survei Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |
| | | | | | | Kamera Digital | 2.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | Mobil | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | Kamera Digital | 0.6500000 | U.H |
| | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | Mobil | 0.6500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | Staf Administrasi | 0.1083333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | | | Koordinator Survei Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | Laptop | 1.7333333 | U.H |
| | | | | | | Mobil | 1.3000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.2750000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | Kamera Digital | 1.9500000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|-----------|--------|
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | Mobil | 2.6000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.7500000 | O.H |
| | | | | | | Staf Administrasi | 0.7500000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|--|------------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | | | Koordinator Survei Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 9.0000000 | O.H |
| | | | | | | Buruh Lokal | 9.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.5000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 9.0000000 | U.H |
| | | | | | | Kamera Digital | 9.0000000 | U.H |
| | | | | | | Laptop | 12.0000000 | U.H |
| | | | | | | Mobil | 9.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.8333333 | O.H |
| | | | | | | Staf Administrasi | 0.8333333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.6666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 10.0000000 | O.H |
| | | | | | | Buruh Lokal | 10.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 11.6666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|----------------|--------|
| | | | | | | GPS Handheld dan Kelengkapannya | 10.000000 0 | U.H |
| | | | | | | Kamera Digital | 10.000000 0 | U.H |
| | | | | | | Laptop | 13.333333 3 | U.H |
| | | | | | | Mobil | 10.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.9166667 | O.H |
| | | | | | | Staf Administrasi | 0.9166667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.8333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 11.000000 0 | O.H |
| | | | | | | Buruh Lokal | 11.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.833333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 11.000000 0 | U.H |
| | | | | | | Kamera Digital | 11.000000 0 | U.H |
| | | | | | | Kapal | 1.5714286 | U.H |
| | | | | | | Mobil | 9.4285714 | U.H |
| | | | | | | Laptop | 14.666666 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|------------|--------|
| | | | | | | | 7 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | Buruh Lokal | 12.0000000 | O.H |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 14.0000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | GPS Handheld dan Kelengkapannya | 12.0000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Kamera Digital | 12.0000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Laptop | 16.0000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | Mobil | 12.0000000 | U.H |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|----------------|--------|
| | | | sedang, kepadatan objek padat, cuaca buruk) | | | Buruh Lokal | 13.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 15.166666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 13.000000 0 | U.H |
| | | | | | | Kamera Digital | 13.000000 0 | U.H |
| | | | | | | Laptop | 17.333333 3 | U.H |
| | | | | | | Mobil | 13.000000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.1916667 | O.H |
| | | | | | | Staf Administrasi | 1.1916667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.3833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 14.300000 0 | O.H |
| | | | | | | Buruh Lokal | 14.300000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 16.683333 3 | U.H |
| | | | | | | GPS Handheld dan | 14.300000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|----------------|--------|
| | | | | | | Kelengkapannya | 0 | |
| | | | | | | Kamera Digital | 14.300000 0 | U.H |
| | | | | | | Kapal | 2.0428571 | U.H |
| | | | | | | Mobil | 12.257142 9 | U.H |
| | | | | | | Laptop | 19.066666 7 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.3000000 | O.H |
| | | | | | | Staf Administrasi | 1.3000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 15.600000 0 | O.H |
| | | | | | | Buruh Lokal | 15.600000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 18.200000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 15.600000 0 | U.H |
| | | | | | | Kamera Digital | 15.600000 0 | U.H |
| | | | | | | Laptop | 20.800000 0 | U.H |
| | | | | | | Mobil | 15.600000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|-----------|--------|
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.8333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | Buruh Lokal | 5.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.8333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 5.0000000 | U.H |
| | | | | | | Kamera Digital | 5.0000000 | U.H |
| | | | | | | Laptop | 6.6666667 | U.H |
| | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | | | Lapangan | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 6.0000000 | O.H |
| | | | | | | Buruh Lokal | 6.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 7.0000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 6.0000000 | U.H |
| | | | | | | Kamera Digital | 6.0000000 | U.H |
| | | | | | | Laptop | 8.0000000 | U.H |
| | | | | | | Mobil | 6.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.5833333 | O.H |
| | | | | | | Staf Administrasi | 0.5833333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 7.0000000 | O.H |
| | | | | | | Buruh Lokal | 7.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 8.1666667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 7.0000000 | U.H |
| | | | | | | Kamera Digital | 7.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|------------|--------|
| | | | | | | Kapal | 1.0000000 | U.H |
| | | | | | | Mobil | 6.0000000 | U.H |
| | | | | | | Laptop | 9.3333333 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.3333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 8.0000000 | O.H |
| | | | | | | Buruh Lokal | 8.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.3333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 8.0000000 | U.H |
| | | | | | | Kamera Digital | 8.0000000 | U.H |
| | | | | | | Laptop | 10.6666667 | U.H |
| | | | | | | Mobil | 8.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan | Nama Unsur | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|--|-----------|--------|
| | | | n Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Rupabumi Terkumpul | | Ketua Tim | 0.5416667 | O.H |
| | | | | | | Staf Administrasi | 0.5416667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 6.5000000 | O.H |
| | | | | | | Buruh Lokal | 6.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 7.5833333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 6.5000000 | U.H |
| | | | | | | Kamera Digital | 6.5000000 | U.H |
| | | | | | | Laptop | 8.6666667 | U.H |
| | | | | | | Mobil | 6.5000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.6500000 | O.H |
| | | | | | | Staf Administrasi | 0.6500000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 7.8000000 | O.H |
| | | | | | | Buruh Lokal | 7.8000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.1000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|------------|--------|
| | | | buruk) | | | GPS Handheld dan Kelengkapannya | 7.8000000 | U.H |
| | | | | | | Kamera Digital | 7.8000000 | U.H |
| | | | | | | Laptop | 10.4000000 | U.H |
| | | | | | | Mobil | 7.8000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.7583333 | O.H |
| | | | | | | Staf Administrasi | 0.7583333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.5166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 9.1000000 | O.H |
| | | | | | | Buruh Lokal | 9.1000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.6166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 9.1000000 | U.H |
| | | | | | | Kamera Digital | 9.1000000 | U.H |
| | | | | | | Kapal | 1.3000000 | U.H |
| | | | | | | Mobil | 7.8000000 | U.H |
| | | | | | | Laptop | 12.1333333 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|------------|--------|
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.8666667 | O.H |
| | | | | | | Staf Administrasi | 0.8666667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.7333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 10.4000000 | O.H |
| | | | | | | Buruh Lokal | 10.4000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.1333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 10.4000000 | U.H |
| | | | | | | Kamera Digital | 10.4000000 | U.H |
| | | | | | | Laptop | 13.8666666 | U.H |
| | | | | | | Mobil | 10.4000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | Staf Administrasi | 0.1250000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|-----------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | | | Koordinator Survei Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | Mobil | 1.5000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.4166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.5000000 | O.H |
| | | | | | | Buruh Lokal | 2.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.9166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.5000000 | U.H |
| | | | | | | Kamera Digital | 2.5000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|-----------|--------|
| | | | | | | Laptop | 3.3333333 | U.H |
| | | | | | | Mobil | 2.5000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2916667 | O.H |
| | | | | | | Staf Administrasi | 0.2916667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.5833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.5000000 | O.H |
| | | | | | | Buruh Lokal | 3.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.0833333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.5000000 | U.H |
| | | | | | | Kamera Digital | 3.5000000 | U.H |
| | | | | | | Kapal | 0.5000000 | U.H |
| | | | | | | Mobil | 3.0000000 | U.H |
| | | | | | | Laptop | 4.6666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama | Nama Unsur Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3750000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
|------|---------|----------|--|-------------------------------|--------|---|-----------|--------|--|--|--|
| | | | Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Terkumpul | | Staf Administrasi | 0.3750000 | O.H | | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.7500000 | O.H | | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.5000000 | O.H | | | |
| | | | | | | Buruh Lokal | 4.5000000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 5.2500000 | U.H | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.5000000 | U.H | | | |
| | | | | | | Kamera Digital | 4.5000000 | U.H | | | |
| | | | | | | Laptop | 6.0000000 | U.H | | | |
| | | | | | | Mobil | 4.5000000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | 0.0400000 | Set | | | |
| | | | c) Jumlah | | | | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | | | |
| | | | | | | Ketua Tim | 0.1625000 | O.H | | | |
| | | | | | | Staf Administrasi | 0.1625000 | O.H | | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3250000 | O.H | | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.9500000 | O.H | | | |
| | | | | | | Buruh Lokal | 1.9500000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 2.2750000 | U.H | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|-----------|--------|
| | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | Mobil | 1.9500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2708333 | O.H |
| | | | | | | Staf Administrasi | 0.2708333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.5416667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.2500000 | O.H |
| | | | | | | Buruh Lokal | 3.2500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.7916667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.2500000 | U.H |
| | | | | | | Kamera Digital | 3.2500000 | U.H |
| | | | | | | Laptop | 4.3333333 | U.H |
| | | | | | | Mobil | 3.2500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3791667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
|------|---------|----------|--|-----------|--------|---|-------------------------------|--------|-------------------|-----------|-----|
| | | | Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Terkumpul | | Staf Administrasi | 0.3791667 | O.H | | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.7583333 | O.H | | | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.5500000 | O.H | | | |
| | | | | | | Buruh Lokal | 4.5500000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Akomodasi | 5.3083333 | U.H | | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.5500000 | U.H | | | |
| | | | | | | Kamera Digital | 4.5500000 | U.H | | | |
| | | | | | | Kapal | 0.6500000 | U.H | | | |
| | | | | | | Mobil | 3.9000000 | U.H | | | |
| | | | | | | Laptop | 6.0666667 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | ATK | 0.0400000 | Set | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.2.8.5. | | | | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | | | Ketua Tim | 0.4875000 | O.H |
| | | | | | | | | | Staf Administrasi | 0.4875000 | O.H |
| | | | Koordinator Survei Kelengkapan Lapangan | 0.9750000 | O.H | | | | | | |
| | | | Operator Survei Kelengkapan Lapangan | 5.8500000 | O.H | | | | | | |
| | | | Buruh Lokal | 5.8500000 | O.H | | | | | | |
| | | | a) Jumlah | | | | | | | | |
| | | | Alat | | | | | | | | |
| | | | Akomodasi | 6.8250000 | U.H | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|---|-----------|--------|
| | | | buruk) | | | GPS Handheld dan Kelengkapannya | 5.8500000 | U.H |
| | | | | | | Kamera Digital | 5.8500000 | U.H |
| | | | | | | Laptop | 7.8000000 | U.H |
| | | | | | | Mobil | 5.8500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0138889 | O.H |
| | | | | | | Staf Administrasi | 0.0138889 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0277778 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.1666667 | U.H |
| | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | Mobil | 0.1666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|--|-----------|--------|
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0208333 | O.H |
| | | | | | | Staf Administrasi | 0.0208333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0416667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | Buruh Lokal | 0.2500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.2500000 | U.H |
| | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | Laptop | 0.3333333 | U.H |
| | | | | | | Mobil | 0.2500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|--|-----------|--------|
| | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.5000000 | U.H |
| | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 1.0000000 | U.H |
| | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0198413 | O.H |
| | | | | | | Staf Administrasi | 0.0198413 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0396825 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.2380952 | U.H |
| | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | Laptop | 0.3174603 | U.H |
| | | | | | | Mobil | 0.2380952 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0297619 | O.H |
| | | | | | | Staf Administrasi | 0.0297619 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.0595238 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.3571429 | O.H |
| | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|--|-----------|--------|
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.3571429 | U.H |
| | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | Laptop | 0.4761905 | U.H |
| | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.1190476 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.7142857 | O.H |
| | | | | | | Buruh Lokal | 0.7142857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 0.7142857 | U.H |
| | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | Laptop | 0.9523810 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|-----------|--------|
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.4285714 | O.H |
| | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | GNSS Receiver dan kelengkapannya | 1.4285714 | U.H |
| | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | Laptop | 1.9047619 | U.H |
| | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.7. | Pengolahan Data SKL (Kepadatan Objek Jarang) | Geodatabase SKL | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-----------------|--------|---|-----------|--------|
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | Laptop | 1.0833333 | U.H |
| | | | | | | Scanner A4 | 1.3000000 | U.H |
| | | | | | | Scanner A0 | 1.3000000 | U.H. |
| | | | | | | Software GIS | 0.8666667 | U.H |
| | | | | | | GNSS Processing Software | 0.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.7. | Pengolahan Data SKL (Kepadatan Objek Sedang) | Geodatabase SKL | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1500000 | O.H |
| | | | | | | Staf Administrasi | 0.1500000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.8000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.1000000 | U.H |
| | | | | | | Laptop | 1.5000000 | U.H |
| | | | | | | Scanner A4 | 1.8000000 | U.H |
| | | | | | | Scanner A0 | 1.8000000 | U.H. |
| | | | | | | Software GIS | 1.2000000 | U.H |
| | | | | | | GNSS Processing Software | 0.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|--------------------------|--------|---|------------|--------|
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.7. | Pengolahan Data SKL (Kepadatan Objek Padat) | Geodatabase SKL | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1916667 | O.H |
| | | | | | | Staf Administrasi | 0.1916667 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.3000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.6833333 | U.H |
| | | | | | | Laptop | 1.9166667 | U.H |
| | | | | | | Scanner A4 | 2.3000000 | U.H |
| | | | | | | Scanner A0 | 2.3000000 | U.H. |
| | | | | | | Software GIS | 1.5333333 | U.H |
| | | | | | | GNSS Processing Software | 0.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0400000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.8. | Demobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|-----------|----------------------------|-------------------------------------|---------|---|------------|--------|
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket PP | 14.0000000 | O.K |
| | | | | | | | 0 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Demobilisasi Lokal (Kapal) | Sewa Kapal | | Personil | | |
| | | | | | | | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kapal | 1.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.8.10. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-------------------|----------|-----------------------------|------------------------------------|----------|---|-----------|--------|
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.9. | Penyelarasan Data | A.2.9.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.1666667 | O.H |
| | | | | | | Operator Penyelarasan Data | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | PC Workstation | 0.6666667 | U.H |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.9.2. | Editing Fitur dan Atribut | Geodatabase IG Unsur | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.2083333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
|------|---------|------|---|-----------------------|----------|---|--|----------|-----------|-----------|-----|
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | Peta Dasar (Seamless) | | Staf Administrasi | 0.2083333 | O.H | | | |
| | | | | | | Koordinator Penyelarasan Data | 0.4166667 | O.H | | | |
| | | | | | | Operator Penyelarasan Data | 2.5000000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 0.4166667 | U.H | | | |
| | | | | | | PC Workstation | 1.6666667 | U.H | | | |
| | | | | | | Software GIS | 1.6666667 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | Staf Administrasi | 0.4166667 | O.H | | | | | | |
| | | | Koordinator Penyelarasan Data | 0.8333333 | O.H | | | | | | |
| | | | Operator Penyelarasan Data | 5.0000000 | O.H | | | | | | |
| | | | a) Jumlah | | | | | | | | |
| | | | Alat | | | | | | | | |
| | | | Laptop | 0.8333333 | U.H | | | | | | |
| | | | PC Workstation | 3.3333333 | U.H | | | | | | |
| | | | Software GIS | 3.3333333 | U.H | | | | | | |
| | | | b) Jumlah | | | | | | | | |
| | | | Bahan | | | | | | | | |
| | | | c) Jumlah | | | | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | Editing Fitur dan Atribut | Geodatabase IG Unsur | NLP (5K) | Personil | | | | | |
| | | | | | | Ketua Tim | 0.6250000 | O.H | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | |
|---|----------------------|-------------------------------|--|-----------------------|-----------|---|--------------|--------|--|----------|-----------|-----|--|
| | | | (Tingkat Kepadatan Fitur Data : Padat) | Peta Dasar (Seamless) | | Staf Administrasi | 0.6250000 | O.H | | | | | |
| | | | | | | Koordinator Penyelarasan Data | 1.2500000 | O.H | | | | | |
| | | | | | | Operator Penyelarasan Data | 7.5000000 | O.H | | | | | |
| | | | | | | a) Jumlah | | | | | | | |
| | | | | | | Alat | | | | | | | |
| | | | | | | Laptop | 1.2500000 | U.H | | | | | |
| | | | | | | PC Workstation | 5.0000000 | U.H | | | | | |
| | | | | | | Software GIS | 5.0000000 | U.H | | | | | |
| | | | | | | b) Jumlah | | | | | | | |
| | | | | | | Bahan | | | | | | | |
| | | | | | | c) Jumlah | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | |
| | | | | | | A.2.9.3. | Edgematching | | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | | | | | 0.1000000 | O.H | |
| | | Staf Administrasi | 0.1000000 | O.H | | | | | | | | | |
| | | Koordinator Penyelarasan Data | 0.2000000 | O.H | | | | | | | | | |
| | | Operator Penyelarasan Data | 1.2000000 | O.H | | | | | | | | | |
| | | a) Jumlah | | | | | | | | | | | |
| | | Alat | | | | | | | | | | | |
| | | Laptop | 0.2000000 | U.H | | | | | | | | | |
| | | PC Workstation | 0.8000000 | U.H | | | | | | | | | |
| | | Software GIS | 0.8000000 | U.H | | | | | | | | | |
| | | b) Jumlah | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | |
| A.2.9.4. | Validasi dan Editing | | Geodatabase final IG | Geodatabase Final | Personil | | | | | | | | |
| Ketua Tim | | | | | 0.2083333 | O.H | | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-------------|--|---------|---|------------|--------|
| | | | Topologi | unsur peta dasar (Topologically cleaned) | | Staf Administrasi | 0.20833333 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.41666667 | O.H |
| | | | | | | Operator Penyelarasan Data | 2.5000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.41666667 | U.H |
| | | | | | | PC Workstation | 1.66666667 | U.H |
| | | | | | | Software GIS | 1.66666667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.9.5. | Pelaporan | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
|----------------------------------|---|-----------|-----------------------------|------------------------------------|---|---|-----------|--------|--|--|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| A.2.10 | Pembentukan Metadata | A.2.10.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H | | |
| | | | | | | Staf Administrasi | 1.0000000 | O.H | | |
| | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | O.H | | |
| | | | | | | Operator Pembentukan Metadata | 1.0000000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 2.0000000 | U.H | | |
| | | | | | | PC Workstation | 2.0000000 | U.H | | |
| | | | | | | Printer | 1.0000000 | U.H. | | |
| | Scanner A4 | 1.0000000 | U.H. | | | | | | | |
| | Software GIS | 2.0000000 | U.H | | | | | | | |
| | b) Jumlah | | | | | | | | | |
| | Bahan | | | | | | | | | |
| | ATK | 1.0000000 | Set | | | | | | | |
| | Kertas HVS A4 | 0.0200000 | Rim | | | | | | | |
| | Tinta Printer | 0.0020000 | Paket | | | | | | | |
| | c) Jumlah | | | | | | | | | |
| | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | |
| | | | A.2.10.2. | Pembentukan Metadata | Metadata yang telah dimasukkan dalam Geodatabase (merujuk pada ISO 19115) | Geodatabase | Personil | | | |
| Ketua Tim | | | | | | | 1.0000000 | O.H | | |
| Staf Administrasi | | | | | | | 1.0000000 | O.H | | |
| Koordinator Pembentukan Metadata | | | | | | | 1.0000000 | O.H | | |
| Operator Pembentukan Metadata | | | | | | | 1.0000000 | O.H | | |
| a) Jumlah | | | | | | | | | | |
| Alat | | | | | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|---------------------------|-----------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | PC Workstation | 2.0000000 | U.H |
| | | | | | | Software GIS | 2.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.10.3. | Pelaporan | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.11 | Penyajian Hasil Pekerjaan | A.2.11.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------------|--------|--|-----------|--------|
| | | | | | | Operator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Plotter A0 | 1.0000000 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.11.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout dalam format yang ditentukan | Tema | Personil | | |
| | | | | | | Ketua Tim | 0.1428571 | O.H |
| | | | | | | Staf Administrasi | 0.1428571 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.1428571 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 0.1428571 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2857143 | U.H. |
| | | | | | | PC Workstation | 0.2857143 | U.H. |
| | | | | | | Software GIS | 0.2857143 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|----------------------------|---|---------|---|-----------|-----------|
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.11.3 | Pencetakan Hasil Pekerjaan | hasil pekerjaan dalam format hardcopy | Lembar | Personil | | |
| | | | | | | Ketua Tim | 0.0714286 | O.H |
| | | | | | | Staf Administrasi | 0.0714286 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.0714286 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 0.0714286 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1428571 | U.H. |
| | | | | | | PC Workstation | 0.1428571 | U.H. |
| | | | | | | Plotter A0 | 0.0714286 | U.H. |
| | | | | | | Software GIS | 0.1428571 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.0006000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.2.11.4 | Pelaporan | Laporan Penyajian hasil pekerjaan Album peta (draft dan akhir) soft copy data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 2.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------|-----------|-------------------|-------------------|---------|--|-----------|--------|
| | | | | | | Harddisk Eksternal | 0.0000000 | U.H. |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | Tinta Printer | 0.0200000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.2.12 | Pelaporan | A.2.12.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.0000000 | O.H |
| | | | | | | Staf Administrasi | 5.0000000 | O.H |
| | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 1.2500000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.2500000 | O.H |
| | | | | | | Koordinator Pembentukan DTM Hydro Enforcement | 1.2500000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.2500000 | OH |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.2500000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1.2500000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1.2500000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.2500000 | O.H |
| | | | | | | a) Jumlah | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|---|----------------|-------------|
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.000000 0 | U.H. |
| | | | | | | PC Workstation | 10.000000 0 | U.H. |
| | | | | | | Printer | 5.0000000 | U.H. |
| | | | | | | Scanner A4 | 5.0000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Harddisk Eksternal | 1.0000000 | Unit |
| | | | | | | Kertas HVS A4 | 2.0000000 | RIM |
| | | | | | | Jilid Album A4 | 3.0000000 | Rangka p |
| | | | | | | Tinta Printer | 1.0000000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

Keterangan:

- Mobilisasi Lokal (Kapal) digunakan jika transportasi menuju area pekerjaan memerlukan transportasi lokal kapal.
- Koefisien alat yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisis Biaya Keluaran Kegiatan

**c. Pemetaan Rupabumi Indonesia Skala Menengah Digitasi 2 (dua)
Dimensi**

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pemetaan Rupabumi Indonesia Skala Menengah Digitasi 2 (dua) Dimensi dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemetaan Rupabumi Indonesia Skala Menengah Digitasi 2 (dua) Dimensi:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Kepadatan Fitur

Kepadatan fitur data diklasifikasikan berdasarkan luasan tutupan lahan bangunan dan atau sawah yang menutupi blok pekerjaan.

Jarang : Tutupan lahan bangunan dan atau kebun mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan atau kebun mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan atau kebun mencakup >60% blok pekerjaan

4. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

5. Kepadatan Administrasi

Faktor Kepadatan diklasifikasikan berdasarkan jumlah desa per 192 Km².

Jarang : Jika rerata jumlah kecamatan per Luasan 192 Km² kurang dari 4 kecamatan

Padat : Jika rerata jumlah kecamatan per Luasan 192 Km² sama dengan atau lebih dari 4 kecamatan

6. Topografi

Faktor topografi wilayah didasarkan pada persentase kemiringan lereng.

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

| A.3. Pemetaan Rupabumi Indonesia Skala Menengah Digitasi 2 (dua) Dimensi | | | | | | | | | | | | |
|--|-----------|---------|-----------------------------|--|---------------|--|---------|--|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Metode (Standar Proses) | | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | | Standar Proses | Metode Teknis | | | | | | | |
| A.3.1. | Persiapan | A.3.1.1 | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | | |
| | | | | | | | | Ketua Tim | 4.00000 | O.H | | |
| | | | | | | | | Staf Administrasi | 4.00000 | O.H | | |
| | | | | | | | | Koordinator Digitasi Foto Udara dan Lidar | 4.00000 | O.H | | |
| | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 4.00000 | O.H | | |
| | | | | | | | | Koordinator Survey Kelengkapan Lapangan | 4.00000 | O.H | | |
| | | | | | | | | Koordinator Penyelarasan Data | 4.00000 | O.H | | |
| | | | | | | | | Koordinator Pembuatan Metadata | 4.00000 | OH | | |
| | | | | | | | | Koordinator Penyajian Kartografis | 4.00000 | O.H | | |
| | | | | | | | | a) Jumlah | | | | |
| | | | | | | | | Alat | | | | |
| | Digital | 0.00000 | U.H | | | | | | | | | |

| | | | | | | | | | |
|--|---------|---|---------------------------------------|--|-----------------------------|---------|--|---------|------|
| | | | | | | | Stereoplotting PC Workstation | | |
| | | | | | | | GPS Geodetik dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | | Kamera Digital | 0.00000 | U.H |
| | | | | | | | Laptop | 0.00000 | U.H |
| | | | | | | | PC Workstation | 0.00000 | U.H |
| | | | | | | | Plotter | 0.00000 | U.H. |
| | | | | | | | Printer | 0.00000 | U.H. |
| | | | | | | | Scanner | 0.00000 | U.H. |
| | | | | | | | Software Desain Grafis | 0.00000 | U.H. |
| | | | | | | | Software GIS | 0.00000 | U.H |
| | | | | | | | Software Kartografis berbasis GIS | 0.00000 | U.H. |
| | | | | | | | Software Stereoplotting | 0.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.1.2 | Pembuatan Rencana Detil Penyelesaian | UU No. 4 Tahun 2011 PP No. 9 | | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | Staf Administrasi | 2.00000 | O.H |

| | | | | | | | | | |
|--|--|--|-----------|--|--|--|--|---------------|--------|
| | | | Pekerjaan | Tahun 2014 Perka BIG No. 15 | | | Koordinator Digitasi Foto Udara dan Lidar | 2.00000 | O.H |
| | | | | Tahun 2014 Perka BIG No. 14 | | | Koordinator Pembentukan Topologi dan Poligon | 2.00000 | O.H |
| | | | | Tahun 2013 Perka BIG No. 3 | | | Koordinator Survey Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | Tahun 2012 SNI | | | Koordinator Penyelarasan Data | 2.00000 | O.H |
| | | | | Tentang Ketelitian Peta SNI | | | Koordinator Pembuatan Metadata | 2.00000 | OH |
| | | | | Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | PC Workstation | 12.00000 0 | U.H. |
| | | | | | | | Plotter | 2.00000 | U.H. |
| | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | Software GIS | 12.00000 0 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | Kertas Peta | 2.00000 | lembar |

| | | | | | | | | | | |
|--------|-------------------|---------|-----------------------------------|---|--|---|---------|---|---------|-------|
| | | | | | | | | | A0 | |
| | | | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.3.1.3 | Pelaporan | KAK | | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Bahan | | |
| | | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.2. | Penyiapan Data | A.3.2.1 | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 | | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | | | Koordinator Stereokompilas i | 1.00000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Laptop | 2.00000 | U.H. |
| | | | | | | | | PC Workstation | 1.00000 | U.H. |

| | | | | | | | | |
|--|---------|----------------|---|--|---------|--|---------|------|
| | | | Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.2.2 | Penyiapan Data | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Stereokompilasi | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 | U.H. |
| | | | | | | PC Workstation | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | |
|--------|------------------------------|----------|-----------------------------|--|------------------------------------|---------|--|---------|------|
| | | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | |
| | | A.3.2.3 | Pelaporan | KAK | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 2.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.3. | Digitasi 2D Unsur Peta Dasar | A.3.3.1. | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |

| | | | | | | | | |
|----------|--|--|--|--|------------|--|---------|------|
| | | Tahun 2014 Perka BIG No. 15 | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.16667 | O.H |
| | | Tahun 2014 Perka BIG No. 14 | | | | Operator Digitasi 2D Unsur Peta Dasar | 1.00000 | O.H |
| | | Tahun 2013 Perka BIG No. 3 | | | | a) Jumlah | | |
| | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.3.2. | Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Objek : Jarang) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG | | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (225K) | Personil | | |
| | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.33333 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta | 2.00000 | O.H |

| | | | | | | |
|--|---|--|--|--|--|--------------|
| | No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Dasar | | |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.33333 | U.H. |
| | | | | PC Workstation | 2.33333 | U.H. |
| | | | | Software GIS | 2.33333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | |
| | Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Objek : Sedang) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (225K) | Personil | |
| | | | | | Ketua Tim | 0.25000 O.H |
| | | | | | Staf Administrasi | 0.25000 O.H |
| | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.50000 O.H |
| | | | | | Operator Digitasi 2D Unsur Peta Dasar | 3.00000 O.H |
| | | | | | a) Jumlah | |
| | | | | | Alat | |
| | | | | | Laptop | 0.50000 U.H. |
| | | | | | PC Workstation | 3.50000 U.H. |
| | | | | | Software GIS | 3.50000 U.H. |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|------------|--|--|------------------|--|-----------|--------------|-----|----------------------|---------|-----|---|------------------|-----|--|--|-----|------------------|--|--|-------------|--|--|--------|---------|------|----------------|---------|------|--------------|---------|------|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| | | SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Objek : Padat) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (225K) | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.33333</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.33333</td><td>O.H</td></tr> <tr><td>Koordinator Digitasi 2D Unsur Peta Dasar</td><td>0.66667</td><td>O.H</td></tr> <tr><td>Operator Digitasi 2D Unsur Peta Dasar</td><td>4.00000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.66667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>4.66667</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>4.66667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 0.33333 | O.H | Staf Administrasi | 0.33333 | O.H | Koordinator Digitasi 2D Unsur Peta Dasar | 0.66667 | O.H | Operator Digitasi 2D Unsur Peta Dasar | 4.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.66667 | U.H. | PC Workstation | 4.66667 | U.H. | Software GIS | 4.66667 | U.H. | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.33333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.33333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Digitasi 2D Unsur Peta Dasar | 0.66667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Digitasi 2D Unsur Peta Dasar | 4.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.66667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 4.66667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 4.66667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--------|----------------------------------|----------|-----------------------------|--|--|---------|---|---------|------|
| | | | | 50, 250 SOP KAK | | | | | |
| | | A.3.3.3. | Pelaporan | KAK | Laporan Digitasi Foto Udara dan Lidar | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 2.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.4. | Pembentukan Topologi dan Poligon | A.3.4.1. | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H |

| | | | | | | | | | |
|--|--|----------|---|--|---|-----------|--|---------|------|
| | | | | Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | | | |
| | | A.3.4.2. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Jarang) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.16667 | U.H. |

| | | | | | | | | |
|--|--|---|---|---|-----------|--|---------|------|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | | |
| | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Sedang) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.12500 | O.H |
| | | | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.25000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.25000 | U.H. |
| | | | | | | PC Workstation | 1.75000 | U.H. |
| | | | | | | Software GIS | 1.75000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| | | | | | | | | |
|----------|--|--|--|---|-----------|---|---------|------|
| | | | Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Padat) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.33333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2.33333 | U.H. |
| | | | | | | Software GIS | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.4.3. | | Pembentukan dan | UU No. 4 Tahun | Geodatabase dengan fitur- | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |

| | | | | | | | | |
|--|--|---|--|--|-----------|--|---------|------|
| | | Editing Poligon (Tingkat Kepadatan Objek : Jarang) | 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | fitur poligon beserta atribut (Seamless). | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Objek : | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.12500 | O.H |
| | | | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.25000 | O.H |

| | | | | | | | | |
|--|--|--|--|--|-----------|--|---------|------|
| | | Sedang) | Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Operator Pembentukan Topologi dan Poligon | 1.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.25000 | U.H. |
| | | | | | | PC Workstation | 1.75000 | U.H. |
| | | | | | | Software GIS | 1.75000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Objek : Padat) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.33333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.33333 | U.H. |

| | | | | | | | | |
|----------|-----------|-----|---|--|---------|---|---------|------|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | PC Workstation | 2.33333 | U.H. |
| | | | | | | Software GIS | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.4.4. | Pelaporan | KAK | Laporan Pembentukan Topologi dan Poligon | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | |

| | | | | | | | | | |
|--------|------------------|----------|--|--|------------------------------------|---------|--|---------|------|
| A.3.5. | Persiapan Survey | A.3.5.5. | Persiapan Alat dan Personil Persiapan Survei | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | Dokumen kesiapan alat dan personil | Dokumen | Tahapan (a+b+c) | | |
| | | A.3.5.2. | Mobilisasi | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 | | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.33333 | U.H |
| | | | | | | | Plotter | 1.00000 | U.H |
| | | | | | | | Printer | 1.00000 | U.H |
| | | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | | Software GIS | 1.16667 | U.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | | Koordinator Survei | 1.00000 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|-----|---|--|-----|---|----------|--|--|-----------|---------|-----|----------------------|---------|-----|--|---------|-----|---|---------|-----|------------------|--|--|-------|--|--|-------|---------|-----|-----------------------|---------|-----|--|--|--|-------|--|--|
| | | | 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>6.66667</td><td>U.H</td></tr> <tr><td>Laptop</td><td>6.25000</td><td>U.H</td></tr> <tr><td>Mobil</td><td>5.00000</td><td>U.H</td></tr> <tr><td>Printer</td><td>5.00000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td colspan="3"> </td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Alat | | | Akomodasi | 6.66667 | U.H | Laptop | 6.25000 | U.H | Mobil | 5.00000 | U.H | Printer | 5.00000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 6.66667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 6.25000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 5.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 5.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.5.4. | Demobilisasi | | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | | NLP | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>1.00000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>1.00000</td><td>O.H</td></tr> <tr><td>Koordinator Survei Kelengkapan Lapangan</td><td>1.00000</td><td>O.H</td></tr> <tr><td>Operator Survei Kelengkapan Lapangan</td><td>1.00000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Mobil</td><td>2.00000</td><td>U.H</td></tr> <tr><td>Tiket Transportasi</td><td>4.00000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> </table> | Personil | | | Ketua Tim | 1.00000 | O.H | Staf Administrasi | 1.00000 | O.H | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H | a) Jumlah | | | Alat | | | Mobil | 2.00000 | U.H | Tiket Transportasi | 4.00000 | U.H | b) Jumlah | | | Bahan | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 2.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tiket Transportasi | 4.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|----------|---------------------------|--|--|---------|--|--|---------|------|
| | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | |
| A.3.5.5. | Pengumpulan Data Sekunder | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | Batas Wilayah, Toponim, dsb | Dokumen | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2.33333 | U.H. |
| | | | | | | Software GIS | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | KAK | | | | | | |
|----------|--|--|--|----------------|---------|--|---------|-----------|
| A.3.5.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Peta Manuskrip | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.04167 | O.H |
| | | | | | | Staf Administrasi | 0.04167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.08333 | U.H. |
| | | | | | | PC Workstation | 0.58333 | U.H. |
| | | | | | | Plotter | 0.50000 | U.H |
| | | | | | | Software GIS | 0.58333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | set |
| | | | | | | Tinta Plotter | 0.00020 | paket |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.5.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 | | Peta Manuskrip | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.05417 | O.H |
| | | | | | | Staf Administrasi | 0.05417 | O.H |
| | | | | | | Koordinator Survey | 0.10833 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|---------|---|--|----------------------|--|-----------|--------------------------------------|---------|-------------------|------------------|-----|---|-------------|-----|--------------------------------------|---------|---------|------------------|----------------|---------|------|---------|---------|-----|--------------|---------|------|------------------|--|--|--------------|--|--|-----|---------|-----|---------------|---------|-------|-------------|---------|-----------|------------------|--|--|--|--|--|
| | | sedang) | Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr> <td>Kelengkapan Lapangan</td> <td></td> <td></td> </tr> <tr> <td>Operator Survei Kelengkapan Lapangan</td> <td>0.65000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.10833</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>0.75833</td> <td>U.H.</td> </tr> <tr> <td>Plotter</td> <td>0.65000</td> <td>U.H</td> </tr> <tr> <td>Software GIS</td> <td>0.75833</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>set</td> </tr> <tr> <td>Tinta Plotter</td> <td>0.00020</td> <td>paket</td> </tr> <tr> <td>Kertas Peta</td> <td>2.00000</td> <td>lembar A0</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Kelengkapan Lapangan | | | Operator Survei Kelengkapan Lapangan | 0.65000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.10833 | U.H. | PC Workstation | 0.75833 | U.H. | Plotter | 0.65000 | U.H | Software GIS | 0.75833 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | set | Tinta Plotter | 0.00020 | paket | Kertas Peta | 2.00000 | lembar A0 | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Kelengkapan Lapangan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 0.65000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.10833 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.75833 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.65000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.75833 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 2.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.5.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun | Peta Manuskrip | Dokumen | <table border="1"> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>0.07000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.07000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.14000</td> <td>O.H</td> </tr> <tr> <td>Operator Survei Kelengkapan Lapangan</td> <td>0.84000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> </table> | Personil | | | Ketua Tim | 0.07000 | O.H | Staf Administrasi | 0.07000 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.14000 | O.H | Operator Survei Kelengkapan Lapangan | 0.84000 | O.H | a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.07000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.07000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.14000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 0.84000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|---|----------------------|---------|---|--|-------------|--|-----------|---------|---------|-------------------|----------------|---------|---|---------|---------|--------------------------------------|--------------|---------|------------------|------------------|--|-------------|--------------|--|--------|---------|---------|----------------|---------------|---------|--------------|-------------|---------|------------------|------------------|--|--------------|--|--|--|-----------------|--|--|-----------|---------|------|-------------------|---------|------|---|---------|------|--------------------------------------|---------|------|------------------|--|--|-------------|--|--|--------|---------|------|----------------|---------|------|--------------|---------|------|------------------|--|--|--------------|--|--|
| | | 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | <table border="1"> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.14000</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>0.98000</td><td>U.H.</td></tr> <tr><td>Plotter</td><td>0.84000</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>0.98000</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td>ATK</td><td>1.00000</td><td>set</td></tr> <tr><td>Tinta Plotter</td><td>0.00020</td><td>paket</td></tr> <tr><td>Kertas Peta</td><td>2.00000</td><td>lembar A0</td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H.</td></tr> <tr><td>Staf Administrasi</td><td>0.08333</td><td>O.H.</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.16667</td><td>O.H.</td></tr> <tr><td>Operator Survei Kelengkapan Lapangan</td><td>1.00000</td><td>O.H.</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> </table> | Alat | | | Laptop | 0.14000 | U.H. | PC Workstation | 0.98000 | U.H. | Plotter | 0.84000 | U.H. | Software GIS | 0.98000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | set | Tinta Plotter | 0.00020 | paket | Kertas Peta | 2.00000 | lembar A0 | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 0.08333 | O.H. | Staf Administrasi | 0.08333 | O.H. | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H. | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H. | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.14000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.98000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.84000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.98000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 2.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 1.00000 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.5.7. | Pembuatan Rencana Detil Survei | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang | Rencana Detil Survei | Dokumen | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H.</td></tr> <tr><td>Staf Administrasi</td><td>0.08333</td><td>O.H.</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.16667</td><td>O.H.</td></tr> <tr><td>Operator Survei Kelengkapan Lapangan</td><td>1.00000</td><td>O.H.</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H. | Staf Administrasi | 0.08333 | O.H. | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H. | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H. | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 1.00000 | O.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|---------------------|--|--|---------|--|--|---------|------|
| | | | Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | |
| A.3.5.8. | Pencetakan Formulir | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | Formulir | Dokumen | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.00139 | O.H |
| | | | | | | Staf Administrasi | 0.00139 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.00278 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.01667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00278 | U.H. |
| | | | | | | PC Workstation | 0.01944 | U.H. |
| | | | | | | Printer | 0.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | |
|--------|-----------------------------|----------|-----------------------------|--|--|-------------------------------------|---------|--|---------|------|
| | | | | KAK | | | | | | |
| | | A.3.5.9. | Pelaporan | KAK | | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Bahan | | |
| | | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6. | Survey Kelengkapan Lapangan | A.3.6.1. | Persiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG | | Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |

| | | | | | | | |
|----------|------------|--|---|--|--|---------|------|
| | | | No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Operator Survey Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | GPS Geodetik dan Kelengkapannya | 2.00000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 1.00000 | U.H |
| | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | Laptop | 2.33333 | U.H |
| | | | | | Printer | 1.00000 | U.H. |
| | | | | | Scanner | 1.00000 | U.H |
| | | | | | Software GIS | 1.16667 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | Surveyor | 2.00000 | O.H |
| A.3.6.2. | Mobilisasi | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun | Tiket PP, Sewa Kendaraan | | | | |

| | | | | | | | | | | | | |
|--|----------|---|---|------------------------------------|-----|--|--|--|--|--|---------|-----|
| | | | 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | | | Kelengkapan Lapangan | | |
| | | | | | | | | | | Operator Survey Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | | Alat | | |
| | | | | | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | | | | | Tiket Transportasi | 6.00000 | U.H |
| | | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | | Bahan | | |
| | | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun | Unsur Rupabumi terverifikasi | NLP | | | | | Personil | | |
| | | | | | | | | | | Ketua Tim | 0.11667 | O.H |
| | | | | | | | | | | Staf Administrasi | 0.11667 | O.H |
| | | | | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.23333 | O.H |
| | | | | | | | | | | Surveyor Kelengkapan Lapangan | 1.40000 | O.H |
| | | | | | | | | | | Buruh Lokal | 2.80000 | O.H |
| | | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | | Alat | | |
| | | | | | | | | | | Akomodasi | 1.86667 | U.H |
| | | | | | | | | | | GPS Mapping | 1.40000 | U.H |

| | | | | | | | | |
|----------|---|--|--|------------------------------------|-----|--|---------|-----|
| | | | 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | dan Kelengkapanny a | | |
| | | | | | | Kamera Digital | 1.40000 | U.H |
| | | | | | | Laptop | 1.86667 | U.H |
| | | | | | | Mobil | 1.40000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.13333 | O.H |
| | | | | | | Staf Administrasi | 0.13333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.26667 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.60000 | O.H |
| | | | | | | Buruh Lokal | 3.20000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.13333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapanny a | 1.60000 | U.H |
| | | | | | | Kamera Digital | 1.60000 | U.H |
| | | | | | | Laptop | 2.13333 | U.H |
| | | | | | | Mobil | 1.60000 | U.H |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI | | Unsur Rupabumi terverifikasi | NLP | | | |

| | | | | | | | | |
|----------|---|--|--|------------------------------|-----|---|---------|-----|
| | | Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.15000 | O.H |
| | | | | | | Staf Administrasi | 0.15000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.30000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1.80000 | U.H |
| | | | | | | Kapal | 1.80000 | U.H |
| | | | | | | Laptop | 2.40000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | |

| | | | | | | | | |
|----------|--|--|--|------------------------------|-----|--|---------|-----|
| | | | | | | Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.15833 | O.H |
| | | | | | | Staf Administrasi | 0.15833 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.31667 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.90000 | O.H |
| | | | | | | Buruh Lokal | 3.80000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.53333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.90000 | U.H |
| | | | | | | Kamera Digital | 1.90000 | U.H |
| | | | | | | Laptop | 2.53333 | U.H |
| | | | | | | Mobil | 1.90000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan | UU No. 4 Tahun 2011 PP No. 9 | | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.15167 | O.H |
| | | | | | | Staf Administrasi | 0.15167 | O.H |

| | | | | | | | | | |
|--|----------|---|---|------------------------------|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 0.30333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.82000 | O.H |
| | | | | | | | Buruh Lokal | 3.64000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.42667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.82000 | U.H |
| | | | | | | | Kamera Digital | 1.82000 | U.H |
| | | | | | | | Laptop | 2.42667 | U.H |
| | | | | | | | Mobil | 1.82000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.17333 | O.H |
| | | | | | | | Staf Administrasi | 0.17333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.34667 | O.H |
| | | | | | | | Surveyor Kelengkapan | 2.08000 | O.H |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | |
|--|----------|--|---|------------------------------|-----|--|--|---------|-----|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Buruh Lokal | 4.16000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.77333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 2.08000 | U.H |
| | | | | | | | Kamera Digital | 2.08000 | U.H |
| | | | | | | | Laptop | 2.77333 | U.H |
| | | | | | | | Mobil | 2.08000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.19500 | O.H |
| | | | | | | | Staf Administrasi | 0.19500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 2.34000 | O.H |
| | | | | | | | Buruh Lokal | 4.68000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.12000 | U.H |

| | | | | | | | | | |
|----------|---|--|--|-----|--|--|--|---------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | GPS Mapping dan Kelengkapannya a | 2.34000 | U.H |
| | | | | | | | Kamera Digital | 2.34000 | U.H |
| | | | | | | | Kapal | 2.34000 | U.H |
| | | | | | | | Laptop | 3.12000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.20583 | O.H |
| | | | | | | | Staf Administrasi | 0.20583 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.41167 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 2.47000 | O.H |
| | | | | | | | Buruh Lokal | 4.94000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.29333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya a | 2.47000 | U.H |
| | | | | | | | Kamera Digital | 2.47000 | U.H |
| | | | | | | | Laptop | 3.29333 | U.H |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta | Unsur Rupabumi terverifikasi | NLP | | | | | |

| | | | | | | | | | |
|----------|---|--|--|------------------------------------|-----|--|--|---------|-----|
| | | | SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Mobil | 2.47000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.06667 | O.H |
| | | | | | | | Staf Administrasi | 0.06667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.13333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.80000 | O.H |
| | | | | | | | Buruh Lokal | 1.60000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.06667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.80000 | U.H |
| | | | | | | | Kamera Digital | 0.80000 | U.H |
| | | | | | | | Laptop | 1.06667 | U.H |
| | | | | | | | Mobil | 0.80000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | |
|----------|---|--|-----|------------------------------|-----|--|--|---------|-----|
| | | | KAK | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.06667 | O.H |
| | | | | | | | Staf Administrasi | 0.06667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.13333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.80000 | O.H |
| | | | | | | | Buruh Lokal | 1.60000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.06667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.80000 | U.H |
| | | | | | | | Kamera Digital | 0.80000 | U.H |
| | | | | | | | Laptop | 1.06667 | U.H |
| | | | | | | | Mobil | 0.80000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan | UU No. 4 Tahun 2011 PP No. 9 | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.10000 | O.H |
| | | | | | | | Staf Administrasi | 0.10000 | O.H |

| | | | | | | | | | |
|--|----------|---|--|------------------------------|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 0.20000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | | | | Buruh Lokal | 2.40000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.60000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.20000 | U.H |
| | | | | | | | Kamera Digital | 1.20000 | U.H |
| | | | | | | | Kapal | 1.20000 | U.H |
| | | | | | | | Laptop | 1.60000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.10833 | O.H |
| | | | | | | | Staf Administrasi | 0.10833 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H |
| | | | | | | | Surveyor Kelengkapan | 1.30000 | O.H |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | | | |
|--|----------|--|---|------------------------------|-----|--|--|--|--|---------|-----|
| | | cuaca baik) | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | | Lapangan | | |
| | | | | | | | | | Buruh Lokal | 2.60000 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.73333 | U.H |
| | | | | | | | | | GPS Mapping dan Kelengkapannya | 1.30000 | U.H |
| | | | | | | | | | Kamera Digital | 1.30000 | U.H |
| | | | | | | | | | Laptop | 1.73333 | U.H |
| | | | | | | | | | Mobil | 1.30000 | U.H |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Unsur Rupabumi terverifikasi | NLP | | | | Personil | | |
| | | | | | | | | | Ketua Tim | 0.08667 | O.H |
| | | | | | | | | | Staf Administrasi | 0.08667 | O.H |
| | | | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.17333 | O.H |
| | | | | | | | | | Surveyor Kelengkapan Lapangan | 1.04000 | O.H |
| | | | | | | | | | Buruh Lokal | 2.08000 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Akomodasi | 1.38667 | U.H |

| | | | | | | | | | |
|----------|--|--|---|------------------------------|-----|--|--|---------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | GPS Mapping dan Kelengkapannya | 1.04000 | U.H |
| | | | | | | | Kamera Digital | 1.04000 | U.H |
| | | | | | | | Laptop | 1.38667 | U.H |
| | | | | | | | Mobil | 1.04000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.08667 | O.H |
| | | | | | | | Staf Administrasi | 0.08667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.17333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.04000 | O.H |
| | | | | | | | Buruh Lokal | 2.08000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.38667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.04000 | U.H |
| | | | | | | | Kamera Digital | 1.04000 | U.H |
| | | | | | | | Laptop | 1.38667 | U.H |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta | | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | |
|----------|---|--|--|------------------------------------|-----|--|---------|-----|
| | | | SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Mobil | 1.04000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.13000 | O.H |
| | | | | | | Staf Administrasi | 0.13000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.26000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.56000 | O.H |
| | | | | | | Buruh Lokal | 3.12000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.08000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.56000 | U.H |
| | | | | | | Kamera Digital | 1.56000 | U.H |
| | | | | | | Kapal | 1.56000 | U.H |
| | | | | | | Laptop | 2.08000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | | Unsur Rupabumi terverifikasi | NLP | | | |

| | | | | | | | | | |
|----------|--|--|-----|------------------------------|-----|--|--|---------|-----|
| | | | KAK | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.14083 | O.H |
| | | | | | | | Staf Administrasi | 0.14083 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.28167 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.69000 | O.H |
| | | | | | | | Buruh Lokal | 3.38000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.25333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.69000 | U.H |
| | | | | | | | Kamera Digital | 1.69000 | U.H |
| | | | | | | | Laptop | 2.25333 | U.H |
| | | | | | | | Mobil | 1.69000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan | UU No. 4 Tahun 2011 PP No. 9 | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.01667 | O.H |
| | | | | | | | Staf Administrasi | 0.01667 | O.H |

| | | | | | | | | | |
|--|----------|---|---|------------------------------|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 0.03333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.20000 | O.H |
| | | | | | | | Buruh Lokal | 0.40000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.26667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.20000 | U.H |
| | | | | | | | Kamera Digital | 0.20000 | U.H |
| | | | | | | | Laptop | 0.26667 | U.H |
| | | | | | | | Mobil | 0.20000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.01667 | O.H |
| | | | | | | | Staf Administrasi | 0.01667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.03333 | O.H |
| | | | | | | | Surveyor Kelengkapan | 0.20000 | O.H |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | |
|--|----------|--|--|------------------------------|-----|--|--|---------|-----|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Buruh Lokal | 0.40000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.26667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.20000 | U.H |
| | | | | | | | Kamera Digital | 0.20000 | U.H |
| | | | | | | | Laptop | 0.26667 | U.H |
| | | | | | | | Mobil | 0.20000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.03333 | O.H |
| | | | | | | | Staf Administrasi | 0.03333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.06667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.40000 | O.H |
| | | | | | | | Buruh Lokal | 0.80000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.53333 | U.H |

| | | | | | | | | | |
|----------|---|--|--|-----|--|--|--|---------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | GPS Mapping dan Kelengkapannya a | 0.40000 | U.H |
| | | | | | | | Kamera Digital | 0.40000 | U.H |
| | | | | | | | Kapal | 0.40000 | U.H |
| | | | | | | | Laptop | 0.53333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.05000 | O.H |
| | | | | | | | Staf Administrasi | 0.05000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.10000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.60000 | O.H |
| | | | | | | | Buruh Lokal | 1.20000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.80000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya a | 0.60000 | U.H |
| | | | | | | | Kamera Digital | 0.60000 | U.H |
| | | | | | | | Laptop | 0.80000 | U.H |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta | Unsur Rupabumi terverifikasi | NLP | | | | | |

| | | | | | | | | | |
|----------|---|--|--|------------------------------------|-----|--|--|---------|-----|
| | | | SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Mobil | 0.60000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.02167 | O.H |
| | | | | | | | Staf Administrasi | 0.02167 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.26000 | O.H |
| | | | | | | | Buruh Lokal | 0.52000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.34667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.26000 | U.H |
| | | | | | | | Kamera Digital | 0.26000 | U.H |
| | | | | | | | Laptop | 0.34667 | U.H |
| | | | | | | | Mobil | 0.26000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | |
|----------|--|--|-----|------------------------------|-----|--|--|---------|-----|
| | | | KAK | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.02167 | O.H |
| | | | | | | | Staf Administrasi | 0.02167 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.26000 | O.H |
| | | | | | | | Buruh Lokal | 0.52000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.34667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.26000 | U.H |
| | | | | | | | Kamera Digital | 0.26000 | U.H |
| | | | | | | | Laptop | 0.34667 | U.H |
| | | | | | | | Mobil | 0.26000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.3. | Verifikasi Unsur Rupabumi (dengan | UU No. 4 Tahun 2011 PP No. 9 | | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.04333 | O.H |
| | | | | | | | Staf Administrasi | 0.04333 | O.H |

| | | | | | | | | | |
|--|----------|--|---|------------------------------|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 0.08667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 0.52000 | O.H |
| | | | | | | | Buruh Lokal | 1.04000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.69333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.52000 | U.H |
| | | | | | | | Kamera Digital | 0.52000 | U.H |
| | | | | | | | Kapal | 0.52000 | U.H |
| | | | | | | | Laptop | 0.69333 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.06500 | O.H |
| | | | | | | | Staf Administrasi | 0.06500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.13000 | O.H |
| | | | | | | | Surveyor Kelengkapan | 0.78000 | O.H |
| | A.3.6.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Unsur Rupabumi terverifikasi | NLP | | | | |

| | | | | | | | | | |
|--|----------|---|--|-------------------------|-----|--|--|---------|-----|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Buruh Lokal | 1.56000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.04000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.78000 | U.H |
| | | | | | | | Kamera Digital | 0.78000 | U.H |
| | | | | | | | Laptop | 1.04000 | U.H |
| | | | | | | | Mobil | 0.78000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Batas Wilayah Indikatif | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.33333 | U.H |

| | | | | | | | | | |
|----------|---|--|--|-------------------------|-----|--|--|---------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | GPS Mapping dan Kelengkapannya a | 1.00000 | U.H |
| | | | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | | | Laptop | 1.33333 | U.H |
| | | | | | | | Mobil | 1.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | | Buruh Lokal | 4.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.66667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya a | 2.00000 | U.H |
| | | | | | | | Kamera Digital | 2.00000 | U.H |
| | | | | | | | Laptop | 2.66667 | U.H |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta | | Batas Wilayah Indikatif | NLP | | | | |

| | | | | | | | | |
|----------|---|--|--|-------------------------------|-----|--|---------|-----|
| | | | SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Mobil | 2.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.25000 | O.H |
| | | | | | | Staf Administrasi | 0.25000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.50000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 3.00000 | O.H |
| | | | | | | Buruh Lokal | 6.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.00000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 3.00000 | U.H |
| | | | | | | Kamera Digital | 3.00000 | U.H |
| | | | | | | Kapal | 3.00000 | U.H |
| | | | | | | Laptop | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP | | Batas Wilayah Indikatif | NLP | | | |

| | | | KAK | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
|----------|---|--|-----|-------------------------|-----|---|---------|-----|
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | O.H |
| | | | | | | Staf Administrasi | 0.33333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.66667 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 4.00000 | O.H |
| | | | | | | Buruh Lokal | 8.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 4.00000 | U.H |
| | | | | | | Kamera Digital | 4.00000 | U.H |
| | | | | | | Laptop | 5.33333 | U.H |
| | | | | | | Mobil | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan | UU No. 4 Tahun 2011 PP No. 9 | | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.10833 | O.H |
| | | | | | | Staf Administrasi | 0.10833 | O.H |

| | | | | | | | | | |
|--|----------|--|--|-------------------------|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.30000 | O.H |
| | | | | | | | Buruh Lokal | 2.60000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.73333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.30000 | U.H |
| | | | | | | | Kamera Digital | 1.30000 | U.H |
| | | | | | | | Laptop | 1.73333 | U.H |
| | | | | | | | Mobil | 1.30000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.21667 | O.H |
| | | | | | | | Staf Administrasi | 0.21667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.43333 | O.H |
| | | | | | | | Surveyor Kelengkapan | 2.60000 | O.H |
| | A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Batas Wilayah Indikatif | NLP | | | | |

| | | | | | | | | | |
|--|--|----------|--|---|-------------------------|-----|--|---------|-----|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Buruh Lokal | 5.20000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.46667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 2.60000 | U.H |
| | | | | | | | Kamera Digital | 2.60000 | U.H |
| | | | | | | | Laptop | 3.46667 | U.H |
| | | | | | | | Mobil | 2.60000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.32500 | O.H |
| | | | | | | | Staf Administrasi | 0.32500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.65000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 3.90000 | O.H |
| | | | | | | | Buruh Lokal | 7.80000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.20000 | U.H |

| | | | | | | | | | |
|----------|--|--|--|-------------------------|-----|--|--|----------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | GPS Mapping dan Kelengkapannya a | 3.90000 | U.H |
| | | | | | | | Kamera Digital | 3.90000 | U.H |
| | | | | | | | Kapal | 3.90000 | U.H |
| | | | | | | | Laptop | 5.20000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.43333 | O.H |
| | | | | | | | Staf Administrasi | 0.43333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.86667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 5.20000 | O.H |
| | | | | | | | Buruh Lokal | 10.40000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.93333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya a | 5.20000 | U.H |
| | | | | | | | Kamera Digital | 5.20000 | U.H |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta | | Batas Wilayah Indikatif | NLP | | | | |

| | | | | | | | | |
|----------|--|---|--|-------------------------|-----|---|---------|-----|
| | | SOP KAK | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | | Laptop | 1.33333 | U.H |
| | | | | | | Mobil | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.4. | Identifikasi Batas | UU No. 4 Tahun | | Batas Wilayah | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.12500 | O.H |

| | | | | | | | | | |
|--|----------|--|--|--|-------------------------|-----|--|---------|-----|
| | | Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Indikatif | | Staf Administrasi | 0.12500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.25000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.50000 | O.H |
| | | | | | | | Buruh Lokal | 3.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.00000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.50000 | U.H |
| | | | | | | | Kamera Digital | 1.50000 | U.H |
| | | | | | | | Kapal | 1.50000 | U.H |
| | | | | | | | Laptop | 2.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 | | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |

| | | | | | | | | |
|----------|---|---|--|-------------------------|-----|--|---------|-----|
| | | objek jarang, cuaca baik) | Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | Buruh Lokal | 4.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 2.00000 | U.H |
| | | | | | | Kamera Digital | 2.00000 | U.H |
| | | | | | | Laptop | 2.66667 | U.H |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.05417 | O.H |
| | | | | | | Staf Administrasi | 0.05417 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.10833 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 0.65000 | O.H |
| | | | | | | Buruh Lokal | 1.30000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG | | Batas Wilayah Indikatif | NLP | | | |

| | | | | | | | | | |
|----------|---|---|---|-------------------------|-----|--|--|---------|-----|
| | | | No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Akomodasi | 0.86667 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 0.65000 | U.H |
| | | | | | | | Kamera Digital | 0.65000 | U.H |
| | | | | | | | Laptop | 0.86667 | U.H |
| | | | | | | | Mobil | 0.65000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.10833 | O.H |
| | | | | | | | Staf Administrasi | 0.10833 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 1.30000 | O.H |
| | | | | | | | Buruh Lokal | 2.60000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.73333 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.30000 | U.H |
| | | | | | | | Kamera Digital | 1.30000 | U.H |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian | | Batas Wilayah Indikatif | NLP | | | | |

| | | | | | | | | |
|----------|---|---|--|-------------------------|-----|---|---------|-----|
| | | SOP KAK | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.21667 | O.H |
| | | | | | | Staf Administrasi | 0.21667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.43333 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 2.60000 | O.H |
| | | | | | | Buruh Lokal | 5.20000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.46667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 2.60000 | U.H |
| | | | | | | Kamera Digital | 2.60000 | U.H |
| | | | | | | Laptop | 3.46667 | U.H |
| | | | | | | Mobil | 2.60000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama | UU No. 4 Tahun | | Nama Unsur Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.05000 | O.H |

| | | | | | | | | | |
|--|----------|---|--|--|-------------------------------|-----|--|--------------|-----|
| | | Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Terkumpul | | Staf Administrasi | 1.05000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.10000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 12.6000 0 | O.H |
| | | | | | | | Buruh Lokal | 25.2000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 16.8000 0 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 12.6000 0 | U.H |
| | | | | | | | Kamera Digital | 12.6000 0 | U.H |
| | | | | | | | Laptop | 16.8000 0 | U.H |
| | | | | | | | Mobil | 12.6000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi | UU No. 4 Tahun 2011 PP No. 9 | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.20000 | O.H |
| | | | | | | | Staf Administrasi | 1.20000 | O.H |

| | | | | | | | | | |
|--|----------|--|---|--|-------------------------------|-----|--|---------------|-----|
| | | (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 2.40000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 14.40000 0 | O.H |
| | | | | | | | Buruh Lokal | 28.80000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 19.20000 0 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 14.40000 0 | U.H |
| | | | | | | | Kamera Digital | 14.40000 0 | U.H |
| | | | | | | | Laptop | 19.20000 0 | U.H |
| | | | | | | | Mobil | 14.40000 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.35000 | O.H |
| | | | | | | | Staf Administrasi | 1.35000 | O.H |
| | | | | | | | Koordinator Survey | 2.70000 | O.H |

| | | | | | | | | | |
|----------|---|--|--|-------------------------------|-----|--|--|---------|-----|
| | | aksesibilitas berat, kepadatan objek padat, cuaca baik) | Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Kelengkapan Lapangan | | |
| | | | | | | | Surveyor | 16.2000 | O.H |
| | | | | | | | Kelengkapan Lapangan | 0 | |
| | | | | | | | Buruh Lokal | 32.4000 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 21.6000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | GPS Mapping dan Kelengkapannya | 16.2000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Kamera Digital | 16.2000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Kapal | 16.2000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Laptop | 21.6000 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 | | Nama Unsur Rupabumi Terkumpul | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 1.42500 | O.H |
| | | | | | | | Staf Administrasi | 1.42500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.85000 | O.H |

| | | | | | | | | |
|----------|--|---|---|-----|--|--|--------------|-----|
| | | kepadatan objek padat, cuaca baik) | Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Surveyor Kelengkapan Lapangan | 17.1000 0 | O.H |
| | | | | | | Buruh Lokal | 34.2000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 22.8000 0 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 17.1000 0 | U.H |
| | | | | | | Kamera Digital | 17.1000 0 | U.H |
| | | | | | | Laptop | 22.8000 0 | U.H |
| | | | | | | Mobil | 17.1000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.36500 | O.H |
| | | | | | | Staf Administrasi | 1.36500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.73000 | O.H |
| | | | | | | Surveyor Kelengkapan | 16.3800 0 | O.H |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

| | | | | | | | | | | |
|--|----------|---|---|--|-------------------------------|-----|--|--|--------------|-----|
| | | cuaca buruk) | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | Lapangan | | |
| | | | | | | | | Buruh Lokal | 32.7600 0 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Akomodasi | 21.8400 0 | U.H |
| | | | | | | | | GPS Mapping dan Kelengkapannya | 16.3800 0 | U.H |
| | | | | | | | | Kamera Digital | 16.3800 0 | U.H |
| | | | | | | | | Laptop | 21.8400 0 | U.H |
| | | | | | | | | Mobil | 16.3800 0 | U.H |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Bahan | | |
| | | | | | | | | | | |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 | | Nama Unsur Rupabumi Terkumpul | NLP | | Personil | | |
| | | | | | | | | Ketua Tim | 1.56000 | O.H |
| | | | | | | | | Staf Administrasi | 1.56000 | O.H |
| | | | | | | | | Koordinator Survey Kelengkapan Lapangan | 3.12000 | O.H |
| | | | | | | | | Surveyor Kelengkapan Lapangan | 18.7200 0 | O.H |
| | | | | | | | | Buruh Lokal | 37.4400 | O.H |

| | | | | | | | | |
|----------|--|--|--|-------------------------------|-----|--|--------------|-----|
| | | | Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 24.9600 0 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 18.7200 0 | U.H |
| | | | | | | Kamera Digital | 18.7200 0 | U.H |
| | | | | | | Laptop | 24.9600 0 | U.H |
| | | | | | | Mobil | 18.7200 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 1.75500 | O.H |
| | | | | | | Staf Administrasi | 1.75500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 3.51000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 21.0600 0 | O.H |
| | | | | | | Buruh Lokal | 42.1200 0 | O.H |
| | | | | | | a) Jumlah | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 | | Nama Unsur Rupabumi Terkumpul | NLP | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|-------------------------------|-----|---|-----------------|--|--|-----------|--------------|-----|--------------------------------|--------------|-----|---|--------------|-----|-------------------------------|--------------|-----|-------------|--------------|-----|------------------|--|--|--------------|--|--|-----------|---------|-----|------------------|--|--|--|--|--|
| | | | Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>28.0800 0</td> <td>U.H</td> </tr> <tr> <td>GPS Mapping dan Kelengkapannya</td> <td>21.0600 0</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>21.0600 0</td> <td>U.H</td> </tr> <tr> <td>Kapal</td> <td>21.0600 0</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>28.0800 0</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Alat | | | Akomodasi | 28.0800 0 | U.H | GPS Mapping dan Kelengkapannya | 21.0600 0 | U.H | Kamera Digital | 21.0600 0 | U.H | Kapal | 21.0600 0 | U.H | Laptop | 28.0800 0 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 28.0800 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 21.0600 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 21.0600 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kapal | 21.0600 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 28.0800 0 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun | | Nama Unsur Rupabumi Terkumpul | NLP | <table border="1"> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>1.85250</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>1.85250</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>3.70500</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan</td> <td>22.2300 0</td> <td>O.H</td> </tr> <tr> <td>Buruh Lokal</td> <td>44.4600 0</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>29.6400</td> <td>U.H</td> </tr> </table> | Personil | | | Ketua Tim | 1.85250 | O.H | Staf Administrasi | 1.85250 | O.H | Koordinator Survey Kelengkapan Lapangan | 3.70500 | O.H | Surveyor Kelengkapan Lapangan | 22.2300 0 | O.H | Buruh Lokal | 44.4600 0 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 29.6400 | U.H | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.85250 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.85250 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 3.70500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 22.2300 0 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 44.4600 0 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 29.6400 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | 0 | |
| | | | | | | | GPS Mapping dan Kelengkapannya | 22.2300 0 | U.H |
| | | | | | | | Kamera Digital | 22.2300 0 | U.H |
| | | | | | | | Laptop | 29.6400 0 | U.H |
| | | | | | | | Mobil | 22.2300 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.60000 | O.H |
| | | | | | | | Staf Administrasi | 0.60000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 7.20000 | O.H |
| | | | | | | | Buruh Lokal | 14.4000 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.60000 | U.H |
| | | | | | | | GPS Mapping dan | 7.20000 | U.H |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI | | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

| | | | | | | | | |
|----------|---|---|---|-------------------------------|-----|--|----------|-----|
| | | | Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Kelengkapannya | | |
| | | | | | | a | | |
| | | | | | | Kamera Digital | 7.20000 | U.H |
| | | | | | | Laptop | 9.60000 | U.H |
| | | | | | | Mobil | 7.20000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.60000 | O.H |
| | | | | | | Staf Administrasi | 0.60000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 7.20000 | O.H |
| | | | | | | Buruh Lokal | 14.40000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 7.20000 | U.H |
| | | | | | | Kamera Digital | 7.20000 | U.H |
| | | | | | | Laptop | 9.60000 | U.H |
| | | | | | | Mobil | 7.20000 | U.H |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang | | Nama Unsur Rupabumi Terkumpul | NLP | | | |

| | | | | | | | | |
|----------|--|--|------------------------------------|-------------------------------|-----|--|--------------|-----|
| | | | Penyajian Peta 25, 50, 250 SOP KAK | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.90000 | O.H |
| | | | | | | Staf Administrasi | 0.90000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 10.8000 0 | O.H |
| | | | | | | Buruh Lokal | 21.6000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 14.4000 0 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 10.8000 0 | U.H |
| | | | | | | Kamera Digital | 10.8000 0 | U.H |
| | | | | | | Kapal | 10.8000 0 | U.H |
| | | | | | | Laptop | 14.4000 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

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|----------|---|--|--|-------------------------------|-----|--|----------|-----|
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.97500 | O.H |
| | | | | | | Staf Administrasi | 0.97500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.95000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 11.70000 | O.H |
| | | | | | | Buruh Lokal | 23.40000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 15.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 11.70000 | U.H |
| | | | | | | Kamera Digital | 11.70000 | U.H |
| | | | | | | Laptop | 15.60000 | U.H |
| | | | | | | Mobil | 11.70000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| | | | | | | | | |
|----------|--|--|--|-------------------------------|-----|--|----------|-----|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.78000 | O.H |
| | | | | | | Staf Administrasi | 0.78000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 9.36000 | O.H |
| | | | | | | Buruh Lokal | 18.72000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.48000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 9.36000 | U.H |
| | | | | | | Kamera Digital | 9.36000 | U.H |
| | | | | | | Laptop | 12.48000 | U.H |
| | | | | | | Mobil | 9.36000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan | UU No. 4 | | Nama Unsur | NLP | Personil | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|--|--|--|-------------------------------|-----|--|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|---------|-----|-------------|----------|-----|------------------|--|--|-------------|--|--|-----------|----------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|----------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|
| | | n Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Rupabumi Terkumpul | | | | <table border="1"> <tr><td>Ketua Tim</td><td>0.78000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.78000</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>1.56000</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>9.36000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>18.72000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>12.48000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>9.36000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>9.36000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>12.48000</td><td>U.H</td></tr> <tr><td>Mobil</td><td>9.36000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>1.17000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>1.17000</td><td>O.H</td></tr> </table> | Ketua Tim | 0.78000 | O.H | Staf Administrasi | 0.78000 | O.H | Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H | Surveyor Kelengkapan Lapangan | 9.36000 | O.H | Buruh Lokal | 18.72000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 12.48000 | U.H | GPS Mapping dan Kelengkapannya | 9.36000 | U.H | Kamera Digital | 9.36000 | U.H | Laptop | 12.48000 | U.H | Mobil | 9.36000 | U.H | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 1.17000 | O.H | Staf Administrasi | 1.17000 | O.H |
| Ketua Tim | 0.78000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.78000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 9.36000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 18.72000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 12.48000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 12.48000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.17000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.17000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi | UU No. 4 Tahun 2011 PP No. 9 | | | Nama Unsur Rupabumi Terkumpul | NLP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|----------|---|---|--|-------------------------------|-----|--|--------------|-----|
| | | (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Koordinator Survey Kelengkapan Lapangan | 2.34000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 14.0400 0 | O.H |
| | | | | | | | Buruh Lokal | 28.0800 0 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 18.7200 0 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 14.0400 0 | U.H |
| | | | | | | | Kamera Digital | 14.0400 0 | U.H |
| | | | | | | | Kapal | 14.0400 0 | U.H |
| | | | | | | | Laptop | 18.7200 0 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.26750 | O.H |
| | | | | | | | Staf Administrasi | 1.26750 | O.H |
| | | | | | | | Koordinator Survey | 2.53500 | O.H |

| | | | | | | | | | |
|--|----------|---|--|--|-------------------------------|-----|--|---------|-----|
| | | aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Kelengkapan Lapangan | | |
| | | | | | | | Surveyor | 15.2100 | O.H |
| | | | | | | | Kelengkapan Lapangan | 0 | |
| | | | | | | | Buruh Lokal | 30.4200 | O.H |
| | | | | | | | | 0 | |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 20.2800 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | GPS Mapping dan Kelengkapannya | 15.2100 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Kamera Digital | 15.2100 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Laptop | 20.2800 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | Mobil | 15.2100 | U.H |
| | | | | | | | | 0 | |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.15000 | O.H |
| | | | | | | | Staf Administrasi | 0.15000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.30000 | O.H |

| | | | | | | | | |
|--|----------|---|---|-------------------------------|-----|--|---------|-----|
| | | kepadatan objek jarang, cuaca baik) | Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1.80000 | U.H |
| | | | | | | Laptop | 2.40000 | U.H |
| | | | | | | Mobil | 1.80000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.15000 | O.H |
| | | | | | | Staf Administrasi | 0.15000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.30000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| | | | | | | | | | |
|--|----------|--|---|-------------------------------|-----|--|--|---------|-----|
| | | | No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Akomodasi | 2.40000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | | | | Kamera Digital | 1.80000 | U.H |
| | | | | | | | Laptop | 2.40000 | U.H |
| | | | | | | | Mobil | 1.80000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian | Nama Unsur Rupabumi Terkumpul | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.30000 | O.H |
| | | | | | | | Staf Administrasi | 0.30000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.60000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 3.60000 | O.H |
| | | | | | | | Buruh Lokal | 7.20000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.80000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 3.60000 | U.H |
| | | | | | | | Kamera Digital | 3.60000 | U.H |

| | | | | | | | | |
|----------|---|--|---|-------------------------------|-----|--|----------|-----|
| | | | Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | Kapal | 3.60000 | U.H |
| | | | | | | Laptop | 4.80000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.45000 | O.H |
| | | | | | | Staf Administrasi | 0.45000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.90000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 5.40000 | O.H |
| | | | | | | Buruh Lokal | 10.80000 | O.H |
| | | | | | | | 0 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 7.20000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 5.40000 | U.H |
| | | | | | | Kamera Digital | 5.40000 | U.H |
| | | | | | | Laptop | 7.20000 | U.H |
| | | | | | | Mobil | 5.40000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| | | | | | | | | |
|----------|--|--|--|-------------------------------|-----|--|---------|-----|
| | | SOP KAK | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.19500 | O.H |
| | | | | | | Staf Administrasi | 0.19500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 2.34000 | O.H |
| | | | | | | Buruh Lokal | 4.68000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.12000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 2.34000 | U.H |
| | | | | | | Kamera Digital | 2.34000 | U.H |
| | | | | | | Laptop | 3.12000 | U.H |
| | | | | | | Mobil | 2.34000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.5. | Pengumpulan | UU No. 4 | | Nama Unsur | NLP | Personil | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|-----------------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|--------------------------------|---------|-----|
| | | n Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | Rupabumi Terkumpul | | <table border="1"> <tr> <td>Ketua Tim</td> <td>0.19500</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.19500</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.39000</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan</td> <td>2.34000</td> <td>O.H</td> </tr> <tr> <td>Buruh Lokal</td> <td>4.68000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>3.12000</td> <td>U.H</td> </tr> <tr> <td>GPS Mapping dan Kelengkapannya</td> <td>2.34000</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>2.34000</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>3.12000</td> <td>U.H</td> </tr> <tr> <td>Mobil</td> <td>2.34000</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.39000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.39000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan</td> <td>0.78000</td> <td>O.H</td> </tr> </table> | Ketua Tim | 0.19500 | O.H | Staf Administrasi | 0.19500 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H | Surveyor Kelengkapan Lapangan | 2.34000 | O.H | Buruh Lokal | 4.68000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 3.12000 | U.H | GPS Mapping dan Kelengkapannya | 2.34000 | U.H | Kamera Digital | 2.34000 | U.H | Laptop | 3.12000 | U.H | Mobil | 2.34000 | U.H | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 0.39000 | O.H | Staf Administrasi | 0.39000 | O.H | Koordinator Survey Kelengkapan | 0.78000 | O.H |
| Ketua Tim | 0.19500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.19500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 2.34000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 4.68000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 3.12000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 2.34000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 2.34000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 3.12000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 2.34000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.39000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.39000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan | 0.78000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG | Nama Unsur Rupabumi Terkumpul | NLP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|----------|--|--|---|-------------------------------|-----|--|--|----------|-----|
| | | berat, kepadatan objek jarang, cuaca buruk) | No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Surveyor Kelengkapan Lapangan | 4.68000 | O.H |
| | | | | | | | Buruh Lokal | 9.36000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.24000 | U.H |
| | | | | | | | GPS Mapping dan Kelengkapannya | 4.68000 | U.H |
| | | | | | | | Kamera Digital | 4.68000 | U.H |
| | | | | | | | Kapal | 4.68000 | U.H |
| | | | | | | | Laptop | 6.24000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.58500 | O.H |
| | | | | | | | Staf Administrasi | 0.58500 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.17000 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan | 7.02000 | O.H |
| | | | | | | | Buruh Lokal | 14.04000 | O.H |
| | | | | | | | | 0 | |
| A.3.6.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun | | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|-------------------|-------|--|--|--|--|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|--------------------------------------|---------|-----|---------------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|
| | | | 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | | | <table border="1"> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>9.36000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>7.02000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>7.02000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>9.36000</td><td>U.H</td></tr> <tr><td>Mobil</td><td>7.02000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.01389</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.01389</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.02778</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan (Base)</td><td>0.01389</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan (Rover)</td><td>0.16667</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>0.33333</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> </table> | a) Jumlah | | | Alat | | | Akomodasi | 9.36000 | U.H | GPS Mapping dan Kelengkapannya | 7.02000 | U.H | Kamera Digital | 7.02000 | U.H | Laptop | 9.36000 | U.H | Mobil | 7.02000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 0.01389 | O.H | Staf Administrasi | 0.01389 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.02778 | O.H | Surveyor Kelengkapan Lapangan (Base) | 0.01389 | O.H | Surveyor Kelengkapan Lapangan (Rover) | 0.16667 | O.H | Buruh Lokal | 0.33333 | O.H | a) Jumlah | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 7.02000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 7.02000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 7.02000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.01389 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.01389 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.02778 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Base) | 0.01389 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Rover) | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 0.33333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 | | Hasil Uji Akurasi | Titik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|---|--|-------------------|-------|--|--|---------|-----|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Buruh Lokal | 0.50000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.35417 | U.H |
| | | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.02083 | U.H |
| | | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.25000 | U.H |
| | | | | | | | Kamera Digital | 0.27083 | U.H |
| | | | | | | | Laptop | 0.35417 | U.H |
| | | | | | | | Mobil | 0.50000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.04167 | O.H |
| | | | | | | | Staf Administrasi | 0.04167 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan (Base) | 0.04167 | O.H |
| | | | | | | | Surveyor | 0.50000 | O.H |
| A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun | | Hasil Uji Akurasi | Titik | | | | |

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|--|----------|--|---|----------------------|-------|--|--|---------|-----|
| | | | 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Kelengkapan Lapangan (Rover) | | |
| | | | | | | | Buruh Lokal | 1.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.70833 | U.H |
| | | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.04167 | U.H |
| | | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.50000 | U.H |
| | | | | | | | Kamera Digital | 0.54167 | U.H |
| | | | | | | | Laptop | 0.70833 | U.H |
| | | | | | | | Kapal | 1.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Hasil Uji Akurasi | Titik | | Personil | | |
| | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | | | Surveyor Kelengkapan | 0.08333 | O.H |

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|--|----------|--|---|-------------------|-------|--|--|---------|-----|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan (Base) | | |
| | | | | | | | Surveyor Kelengkapan Lapangan (Rover) | 1.00000 | O.H |
| | | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.41667 | U.H |
| | | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.08333 | U.H |
| | | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | | Kamera Digital | 1.08333 | U.H |
| | | | | | | | Laptop | 1.41667 | U.H |
| | | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG | Hasil Uji Akurasi | Titik | | Personil | | |
| | | | | | | | Ketua Tim | 0.01984 | O.H |
| | | | | | | | Staf Administrasi | 0.01984 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan | 0.03968 | O.H |

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|----------|---|------------------------------|---|-------------------|-------|--|--|---------|-----|
| | | | No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | Lapangan | | |
| | | | | | | | Surveyor Kelengkapan Lapangan (Base) | 0.01984 | O.H |
| | | | | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.23810 | O.H |
| | | | | | | | Buruh Lokal | 0.47619 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.33730 | U.H |
| | | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.01984 | U.H |
| | | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.23810 | U.H |
| | | | | | | | Kamera Digital | 0.25794 | U.H |
| | | | | | | | Laptop | 0.33730 | U.H |
| | | | | | | | Mobil | 0.47619 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | | Personil | | |
| | | | | | | | Ketua Tim | 0.02976 | O.H |
| | | | | | | | Staf Administrasi | 0.02976 | O.H |
| A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas | UU No. 4 Tahun 2011 PP No. 9 | | Hasil Uji Akurasi | Titik | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------------------|--|-----------|-------|--|--|---------|-----|---|---------|-----|--|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--|---------|-----|---|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|----------|--|--|
| | | sedang, cuaca buruk) | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.05952</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Base)</td> <td>0.02976</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Rover)</td> <td>0.35714</td> <td>O.H</td> </tr> <tr> <td>Buruh Lokal</td> <td>0.71429</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>0.50595</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Base dan Kelengkapannya</td> <td>0.02976</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Rover dan Kelengkapannya</td> <td>0.35714</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>0.38690</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>0.50595</td> <td>U.H</td> </tr> <tr> <td>Mobil</td> <td>0.71429</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> <tr> <td>Personil</td> <td></td> <td></td> </tr> </table> | Koordinator Survey Kelengkapan Lapangan | 0.05952 | O.H | Surveyor Kelengkapan Lapangan (Base) | 0.02976 | O.H | Surveyor Kelengkapan Lapangan (Rover) | 0.35714 | O.H | Buruh Lokal | 0.71429 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 0.50595 | U.H | GPS Geodetik Base dan Kelengkapannya | 0.02976 | U.H | GPS Geodetik Rover dan Kelengkapannya | 0.35714 | U.H | Kamera Digital | 0.38690 | U.H | Laptop | 0.50595 | U.H | Mobil | 0.71429 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | |
| Koordinator Survey Kelengkapan Lapangan | 0.05952 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Base) | 0.02976 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Rover) | 0.35714 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 0.71429 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 0.50595 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Base dan Kelengkapannya | 0.02976 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Rover dan Kelengkapannya | 0.35714 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.38690 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.50595 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 0.71429 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.6.6. | Uji Akurasi | UU No. 4 | | Hasil Uji | Titik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|---|---------|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|--------------------------------------|---------|-----|---------------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------------|---------|-----|---------------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|
| | | (dengan kesulitan aksesibilitas berat, cuaca buruk) | Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | Akurasi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | <table border="1"> <tr> <td>Ketua Tim</td> <td>0.05952</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.05952</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.11905</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Base)</td> <td>0.05952</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Rover)</td> <td>0.71429</td> <td>O.H</td> </tr> <tr> <td>Buruh Lokal</td> <td>1.42857</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>1.01190</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Base dan Kelengkapannya</td> <td>0.05952</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Rover dan Kelengkapannya</td> <td>0.71429</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>0.77381</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>1.01190</td> <td>U.H</td> </tr> <tr> <td>Kapal</td> <td>1.42857</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> </table> | Ketua Tim | 0.05952 | O.H | Staf Administrasi | 0.05952 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.11905 | O.H | Surveyor Kelengkapan Lapangan (Base) | 0.05952 | O.H | Surveyor Kelengkapan Lapangan (Rover) | 0.71429 | O.H | Buruh Lokal | 1.42857 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 1.01190 | U.H | GPS Geodetik Base dan Kelengkapannya | 0.05952 | U.H | GPS Geodetik Rover dan Kelengkapannya | 0.71429 | U.H | Kamera Digital | 0.77381 | U.H | Laptop | 1.01190 | U.H | Kapal | 1.42857 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | |
| Ketua Tim | 0.05952 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.05952 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.11905 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Base) | 0.05952 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Rover) | 0.71429 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 1.42857 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.01190 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Base dan Kelengkapannya | 0.05952 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Rover dan Kelengkapannya | 0.71429 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.77381 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 1.01190 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kapal | 1.42857 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|--|--|-------------------|-------|--|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) |
| A.3.6.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Hasil Uji Akurasi | Titik | Personil |
| | | | | | | Ketua Tim |
| | | | | | | 0.11905 |
| | | | | | | O.H |
| | | | | | | Staf Administrasi |
| | | | | | | 0.11905 |
| | | | | | | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan |
| | | | | | | 0.23810 |
| | | | | | | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan (Base) |
| | | | | | | 0.11905 |
| | | | | | | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan (Rover) |
| | | | | | | 1.42857 |
| | | | | | | O.H |
| | | | | | | Buruh Lokal |
| | | | | | | 2.85714 |
| | | | | | | O.H |
| | | | | | | a) Jumlah |
| | | | | | | Alat |
| | | | | | | Akomodasi |
| | | | | | | 2.02381 |
| | | | | | | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya |
| | | | | | | 0.11905 |
| | | | | | | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya |
| | | | | | | 1.42857 |
| | | | | | | U.H |
| | | | | | | Kamera Digital |
| | | | | | | 1.54762 |
| | | | | | | U.H |
| | | | | | | Laptop |
| | | | | | | 2.02381 |
| | | | | | | U.H |
| | | | | | | Mobil |
| | | | | | | 2.85714 |
| | | | | | | U.H |
| | | | | | | b) Jumlah |
| | | | | | | Bahan |

| | | | | | | | | | |
|----------|---------------------|--|--|--------------------------|-----|--|---|---------|-----|
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.7. | Pengolahan Data SKL | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Geodatabase SKL | NLP | | Personil | | |
| | | | | | | | Ketua Tim | 0.10417 | O.H |
| | | | | | | | Staf Administrasi | 0.10417 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.20833 | O.H |
| | | | | | | | Operator Survey Kelengkapan Lapangan | 1.04167 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.45833 | U.H |
| | | | | | | | Laptop | 1.45833 | U.H |
| | | | | | | | Scanner | 1.25000 | U.H |
| | | | | | | | Software GIS | 1.25000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.8. | Demobilisasi | | | Tiket PP, Sewa Kendaraan | | | Personil | | |
| | | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | | Staf | 1.00000 | O.H |

| | | | | | | | | |
|----------|-----------|-----|--|-------------------------------------|---------|--|---------|------|
| | | | | | | Administrasi | | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | Operator Survey Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket Transportasi | 6.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.6.10 | Pelaporan | KAK | | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk | 0.00000 | U.H. |

| | | | | | | | | | |
|--------|-------------------|----------|-----------------------------|---|--|------------------------------------|--|-------------------------------|-------------|
| | | | | | | | Eksternal | | |
| | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.7. | Penyelarasan Data | A.3.7.1. | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI | | Dokumen kesiapan alat dan personil | Dokumen | Personil | |
| | | | | | | | | Ketua Tim | 0.08333 O.H |
| | | | | | | | | Staf Administrasi | 0.08333 O.H |
| | | | | | | | | Koordinator Penyelarasan Data | 0.16667 O.H |
| | | | | | | | | Operator Penyelarasan Data | 1.00000 O.H |
| | | | | | | | | a) Jumlah | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.16667 | U.H |
| | | | | | | | PC Workstation | 1.16667 | U.H |
| | | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | | Software GIS | 1.16667 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |

| | | | | | | | | |
|----------|---|--|--|--|-----------|---|---------|-----|
| | | Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.7.2. | Editing Fitur dan Atribut (Tingkat Kepadatan Objek : Jarang) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.20833 | O.H |
| | | | | | | Staf Administrasi | 0.20833 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.41667 | O.H |
| | | | | | | Operator Penyelarasan Data | 2.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.41667 | U.H |
| | | | | | | PC Workstation | 2.91667 | U.H |
| | | | | | | Software GIS | 2.91667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | Editing Fitur dan Atribut | UU No. 4 Tahun | | Geodatabase IG Unsur | NLP (25K) | Personil | | |
| | | | | | | Ketua Tim | 0.41667 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|--|--|--|-----------|--|-------------------|---------|-----|-------------------------------|---------|-----|----------------------------|---------|-----|-------------------------------|---------|-----|----------------------------|---------|-----|--------|---------|-----|----------------|---------|-----|--------------|---------|-----|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|
| | | (Tingkat Kepadatan Objek : Sedang) | 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | Peta Dasar (Seamless) | | <table border="1"> <tr> <td>Staf Administrasi</td> <td>0.41667</td> <td>O.H</td> </tr> <tr> <td>Koordinator Penyelarasan Data</td> <td>0.83333</td> <td>O.H</td> </tr> <tr> <td>Operator Penyelarasan Data</td> <td>5.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.83333</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td>5.83333</td> <td>U.H</td> </tr> <tr> <td>Software GIS</td> <td>5.83333</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Staf Administrasi | 0.41667 | O.H | Koordinator Penyelarasan Data | 0.83333 | O.H | Operator Penyelarasan Data | 5.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.83333 | U.H | PC Workstation | 5.83333 | U.H | Software GIS | 5.83333 | U.H | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Staf Administrasi | 0.41667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyelarasan Data | 0.83333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyelarasan Data | 5.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.83333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 5.83333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 5.83333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Editing Fitur dan Atribut (Tingkat Kepadatan Objek : Padat) | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | <table border="1"> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>0.62500</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.62500</td> <td>O.H</td> </tr> <tr> <td>Koordinator Penyelarasan Data</td> <td>1.25000</td> <td>O.H</td> </tr> <tr> <td>Operator Penyelarasan Data</td> <td>7.50000</td> <td>O.H</td> </tr> </table> | Personil | | | Ketua Tim | 0.62500 | O.H | Staf Administrasi | 0.62500 | O.H | Koordinator Penyelarasan Data | 1.25000 | O.H | Operator Penyelarasan Data | 7.50000 | O.H | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.62500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.62500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyelarasan Data | 1.25000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyelarasan Data | 7.50000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|----------|--------------|---|---|--|-----------|--|---|--|--|
| | | | Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | | a) Jumlah Alat Laptop 1.25000 U.H PC Workstation 8.75000 U.H Software GIS 8.75000 U.H b) Jumlah Bahan c) Jumlah d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.7.3. | Edgematching | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | | Personil Ketua Tim 0.10000 O.H Staf Administrasi 0.10000 O.H Koordinator Penyelarasan Data 0.20000 O.H Operator Penyelarasan Data 1.20000 O.H a) Jumlah Alat Laptop 0.20000 U.H PC Workstation 1.40000 U.H Software GIS 1.40000 U.H b) Jumlah | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|---|--|-------------------|---|---|-------|--|-----------|-----------|-----|-------------------|---|-----|-------------------------------|---------|-----|----------------------------|---------|-----|-----------|--|--|------|--|--|--------|---------|-----|----------------|---------|-----|--------------|---------|-----|-----------|--|--|-------|--|--|-----------|--|--|---|--|--|
| | | | 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.7.4. | Validasi dan Editing Topologi | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | <table border="1"> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>0.20833</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.20833</td> <td>O.H</td> </tr> <tr> <td>Koordinator Penyelarasan Data</td> <td>0.41667</td> <td>O.H</td> </tr> <tr> <td>Operator Penyelarasan Data</td> <td>2.50000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.41667</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td>2.91667</td> <td>U.H</td> </tr> <tr> <td>Software GIS</td> <td>2.91667</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Personil | | | Ketua Tim | 0.20833 | O.H | Staf Administrasi | 0.20833 | O.H | Koordinator Penyelarasan Data | 0.41667 | O.H | Operator Penyelarasan Data | 2.50000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.41667 | U.H | PC Workstation | 2.91667 | U.H | Software GIS | 2.91667 | U.H | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.20833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.20833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyelarasan Data | 0.41667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyelarasan Data | 2.50000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.41667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 2.91667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.91667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|-----------------------|----------|-----------------------------------|--|---|---------|--|--|--|-----------------|--|--|-----------|---------|-----|----------------------|---------|-----|--------------------------------------|---------|-----|-----------------------|---------|-----|-------------|--|--|-----------------------|---------|------|--------|---------|------|----------------|---------|------|---------|---------|------|---------|---------|------|------------------|--|--|--------------|--|--|-----|---------|-----|------------------|--|--|--|--|--|
| | | | | Peta 25, 50, 250 SOP KAK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | A.3.7.5. | Pelaporan | KAK | Laporan Penyelarasa n Data | Dokumen | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Penyelarasan Data</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Harddisk Eksternal</td> <td>0.00000</td> <td>U.H.</td> </tr> <tr> <td>Laptop</td> <td>4.00000</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>Printer</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>Scanner</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>Set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | | | Personil | | | Ketua Tim | 2.00000 | O.H | Staf Administrasi | 2.00000 | O.H | Koordinator Penyelarasan Data | 2.00000 | O.H | a) Jumlah | | | Alat | | | Harddisk Eksternal | 0.00000 | U.H. | Laptop | 4.00000 | U.H. | PC Workstation | 2.00000 | U.H. | Printer | 2.00000 | U.H. | Scanner | 2.00000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyelarasan Data | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harddisk Eksternal | 0.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 4.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.8. | Pembuatan Metadata | A.3.8.1. | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun | Dokumen kesiapan alat dan personil | Dokumen | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pembuatan Metadata</td> <td>0.16667</td> <td>O.H</td> </tr> <tr> <td>Operator Pembuatan</td> <td>1.00000</td> <td>O.H</td> </tr> </table> | | | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Pembuatan Metadata | 0.16667 | O.H | Operator Pembuatan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan Metadata | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Pembuatan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--------------------|--|---|-----------------|--|---|----------|--|-----------|------------------|-----|----------------------|-------------|-----|--------------------------------------|---------|---------|-----------------------------------|----------------|---------|------------------|---------|---------|-------------|---------|---------|--------|--------------|---------|----------------|------------------|-----|--------------|--------------|-----|--|--|--|--|------------------|--|--|--|--|--|
| | | | 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr><td>Metadata</td><td></td><td></td></tr> <tr><td>a) Jumlah</td><td></td><td></td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H</td></tr> <tr><td>Printer</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Scanner</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H</td></tr> <tr><td>b) Jumlah</td><td></td><td></td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td>c) Jumlah</td><td></td><td></td></tr> <tr><td>d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td><td></td><td></td></tr> </table> | Metadata | | | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H | PC Workstation | 1.16667 | U.H | Printer | 1.00000 | U.H. | Scanner | 1.00000 | U.H. | Software GIS | 1.16667 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Metadata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.8.2. | Pembuatan Metadata | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 | Metadata (merujuk pada ISO 19115) | Geodatabas e | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Koordinator Pembuatan Metadata</td><td>0.16667</td><td>O.H</td></tr> <tr><td>Operator Pembuatan Metadata</td><td>1.00000</td><td>O.H</td></tr> <tr><td>a) Jumlah</td><td></td><td></td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H</td></tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Pembuatan Metadata | 0.16667 | O.H | Operator Pembuatan Metadata | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H | PC Workstation | 1.16667 | U.H | Software GIS | 1.16667 | U.H | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan Metadata | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Pembuatan Metadata | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|-----------|------|---|----------------------------------|---------|--|-----------|--|--|-----------|---------|-----|----------------------|---------|-----|---|---------|-----|-----------|--|--|------|--|--|-----------------------|---------|------|--------|---------|------|----------------|---------|------|---------|---------|------|---------|---------|------|-----------|--|--|-------|--|--|-----|---------|-----|-----------|--|--|---|--|--|
| | | | Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK | | | <table border="1"> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.8.3. | Pelaporan | KAK | KAK | Laporan Pembuatan Metadata | Dokumen | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pembuatan Metadata</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Harddisk Eksternal</td> <td>0.00000</td> <td>U.H.</td> </tr> <tr> <td>Laptop</td> <td>4.00000</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>Printer</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>Scanner</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>Set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Personil | | | Ketua Tim | 2.00000 | O.H | Staf Administrasi | 2.00000 | O.H | Koordinator Pembuatan Metadata | 2.00000 | O.H | a) Jumlah | | | Alat | | | Harddisk Eksternal | 0.00000 | U.H. | Laptop | 4.00000 | U.H. | PC Workstation | 2.00000 | U.H. | Printer | 2.00000 | U.H. | Scanner | 2.00000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan Metadata | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harddisk Eksternal | 0.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 4.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|---|-----------------|-----------------------------|---|------------------------------------|---|--|-----------------|--|-----------|-----------|---------|-----|-------------------|---------|-----|-----------------------------------|---------|-----|--------------------------------|---------|-----|------------------|--|--|-------------|--|--|--------|---------|------|----------------|---------|------|---------|---------|------|---------|---------|------|---------|---------|------|--------------|---------|------|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|
| A.3.9. | Penyajian Hasil peta RBI Skala Menengah | A.3.9.1 | Penyiapan Alat dan Personil | UU No. 4 Tahun 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK Spesifikasi Teknis SKKNI IG Sub Bidang Kartografi | Dokumen Kesiapan Alat dan Personil | Dokumen | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Koordinator Penyajian Kartografis</td><td>0.16667</td><td>O.H</td></tr> <tr><td>Operator Penyajian Kartografis</td><td>1.00000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H.</td></tr> <tr><td>Plotter</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Printer</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Scanner</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Penyajian Kartografis | 0.16667 | O.H | Operator Penyajian Kartografis | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Plotter | 1.00000 | U.H. | Printer | 1.00000 | U.H. | Scanner | 1.00000 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyajian Kartografis | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyajian Kartografis | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.9.2 | Penyiapan Informasi | UU No. 4 Tahun | | Layout tiap NLP dalam | GDB | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.01190</td><td>O.H</td></tr> </table> | Personil | | | Ketua Tim | 0.01190 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.01190 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | Tepi dan Muka Peta | 2011 PP No. 9 Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK Spesifikasi Teknis SKKNI IG Sub Bidang Kartografi | format yang ditentukan | | <table border="1"> <tr> <td>Staf Administrasi</td> <td>0.01190</td> <td>O.H</td> </tr> <tr> <td>Koordinator Penyajian Kartografis</td> <td>0.02381</td> <td>O.H</td> </tr> <tr> <td>Operator Penyajian Kartografis</td> <td>0.14286</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.02381</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>0.16667</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>0.16667</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Staf Administrasi | 0.01190 | O.H | Koordinator Penyajian Kartografis | 0.02381 | O.H | Operator Penyajian Kartografis | 0.14286 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.02381 | U.H. | PC Workstation | 0.16667 | U.H. | Software GIS | 0.16667 | U.H. | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Staf Administrasi | 0.01190 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyajian Kartografis | 0.02381 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyajian Kartografis | 0.14286 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.02381 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.3.9.3 | Pencetakan Peta RBI Skala Menengah | UU No. 4 Tahun 2011 PP No. 9 | hasil peta RBI Skala Menengah tiap NLP | GDB | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.00595</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.00595</td> <td>O.H</td> </tr> </table> | Personil | | | Ketua Tim | 0.00595 | O.H | Staf Administrasi | 0.00595 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.00595 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.00595 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | Tahun 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK Spesifikasi Teknis SKKNI IG Sub Bidang Kartografi | | | <table border="1"> <tr> <td>Koordinator Penyajian Kartografis</td> <td>0.01190</td> <td>O.H</td> </tr> <tr> <td>Operator Penyajian Kartografis</td> <td>0.07143</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.01190</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>0.08333</td> <td>U.H.</td> </tr> <tr> <td>Plotter</td> <td>0.07143</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>0.08333</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>Set</td> </tr> <tr> <td>Kertas Peta</td> <td>3.00000</td> <td>lembar A0</td> </tr> <tr> <td>Kertas separasi warna</td> <td>18.00000 0</td> <td>lembar A0</td> </tr> <tr> <td>Tinta Plotter</td> <td>0.00020</td> <td>Paket</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Koordinator Penyajian Kartografis | 0.01190 | O.H | Operator Penyajian Kartografis | 0.07143 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.01190 | U.H. | PC Workstation | 0.08333 | U.H. | Plotter | 0.07143 | U.H. | Software GIS | 0.08333 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | Kertas Peta | 3.00000 | lembar A0 | Kertas separasi warna | 18.00000 0 | lembar A0 | Tinta Plotter | 0.00020 | Paket | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Koordinator Penyajian Kartografis | 0.01190 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyajian Kartografis | 0.07143 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.01190 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.08333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.07143 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.08333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 3.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas separasi warna | 18.00000 0 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | Paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A.3.9.4 | Pelaporan | UU No. 4 Tahun 2011 PP No. 9 Tahun | | Laporan Penyajian Hasil peta RBI Skala Menengah | Dokumen | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | |
|--------|-----------|----------|----------------------|---|---|---------|--|--|---------|------|
| | | | | 2014 Perka BIG No. 15 Tahun 2014 Perka BIG No. 14 Tahun 2013 Perka BIG No. 3 Tahun 2012 SNI Tentang Ketelitian Peta SNI Tentang Penyajian Peta 25, 50, 250 SOP KAK Spesifikasi Teknis SKKNI IG Sub Bidang Kartografi | Album peta (draft dan akhir) soft copy data | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Bahan | | |
| | | | | | | | | ATK | 1.00000 | Set |
| | | | | | | | | c) Jumlah | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.3.10 | Pelaporan | A.3.10.1 | Kompilasi Laporan | KAK | Kompilasi Laporan | Dokumen | | Personil | | |
| | | | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

| | | |
|--|--------------|----------|
| Laptop | 10.0000 0 | U.H. |
| Printer | 5.00000 | U.H. |
| Scanner | 5.00000 | U.H. |
| b) Jumlah | | |
| Bahan | | |
| ATK | 1.00000 | Set |
| Harddisk Eksternal | 1.00000 | Unit |
| Kertas HVS A4 | 2.00000 | RIM |
| Penjilidan | 3.00000 | Rangka p |
| Tinta Printer | 1.00000 | Paket |
| c) Jumlah | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

Keterangan:

- Mobilisasi Lokal (Kapal) digunakan jika transportasi menuju area pekerjaan memerlukan transportasi lokal kapal.
- Koefisien alat yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisis Biaya Keluaran Kegiatan

d. Pemetaan Rupabumi Indonesia Skala Menengah

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pemetaan RBI Skala Menengah (1:25.000) Menggunakan Data Radar dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemetaan RBI Skala Menengah (1:25.000) Menggunakan Data Radar:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Kepadatan Fitur

Kepadatan fitur data diklasifikasikan berdasarkan luasan tutupan lahan bangunan dan atau sawah yang menutupi blok pekerjaan.

Jarang : Tutupan lahan bangunan dan atau kebun mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan atau kebun mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan atau kebun mencakup >60% blok pekerjaan

4. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

5. Kepadatan Administrasi

Faktor Kepadatan diklasifikasikan berdasarkan jumlah desa per 192 Km².

Jarang : Jika rerata jumlah kecamatan per Luasan 192 Km² kurang dari 4 kecamatan

Padat : Jika rerata jumlah kecamatan per Luasan 192 Km² sama dengan atau lebih dari 4 kecamatan

6. Topografi

Faktor topografi wilayah didasarkan pada persentase kemiringan lereng.

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

A.3. Pemetaan RBI Skala Menengah (1:25.000) Menggunakan Data Radar

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|---------|-------------------------|-----------------------|-----------------------------|--|-------------------|-----------|---|-----------|--------|
| A.3.1. | Persiapan | A.3.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 4.0000000 | O.H |
| | | | | | | | Staf Administrasi | 4.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.0000000 | OH |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 1.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 1.0000000 | OH |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | PC Workstation | 8.0000000 | U.H |
| | | | | | | | Laptop | 8.0000000 | U.H |
| | | | | | | | Printer | 4.0000000 | U.H. |
| | | | | | | | Software GIS | 8.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | Tinta Printer | 0.0020000 | Paket | | | | | |
| A.3.1.2 | Pembuatan Rencana Detil | Dokumen Rencana Detil | cetak dan | Dokumen | Personil | | | | |
| | | | | | Ketua Tim | 2.0000000 | O.H | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|---------|------------------------|----------------------|-----------|---------|---|-----------|-----------|
| | | | Penyelesaian Pekerjaan | dan indeks pekerjaan | digital | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.5000000 | OH |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 0.5000000 | OH |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | | Plotter | 1.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Software GIS | 4.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | Paket |
| | | A.3.1.3 | Pelaporan | Laporan Persiapan | cetak dan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------|---------|-----------------------------|------------------------------------|-------------------|---------|---------------------------------------|-----------|--------|
| | | | | | digital | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 1.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.2. | Penyiapan Data | A.3.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.2.2 | Penyiapan Data | Formulir Checklist | cetak dan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan | |
|---------------------------------------|---------------|---------------|-------------|---------------------|------------------------|-------------------|---------------------------------------|-----------------------------|-----------|------|
| | | | | Hasil Kesiapan Data | digital | | Staf Administrasi | 0.0833333 | O.H | |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H | |
| | | | | | | | Operator Stereokompilasi | 1.0000000 | O.H | |
| | | | | | | | Alat | | | |
| | | | | | | | Laptop | 0.1666667 | U.H. | |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H | |
| | | | | | | | Printer | 1.0000000 | U.H. | |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. | |
| | | | | | | | Software GIS | 0.6666667 | U.H. | |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H | |
| | | | | | | | Bahan | | | |
| | | | | | | | ATK | 1.0000000 | Set | |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim | |
| | | Tinta Printer | 0.0020000 | Paket | | | | | | |
| | | A.3.2.3 | Pelaporan | | Laporan Penyiapan Data | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | | Koordinator Stereokompilasi | 2.0000000 | O.H |
| | | | | | | | | Alat | | |
| | | | | | | | | Laptop | 4.0000000 | U.H. |
| Digital Stereoplotting PC Workstation | 2.0000000 | | | | | | | U.H | | |
| Printer | 2.0000000 | | | | | | | U.H. | | |
| Scanner A4 | 2.0000000 | | | | | | | U.H. | | |
| Bahan | | | | | | | | | | |
| ATK | 1.0000000 | | | | | | | Set | | |
| Kertas HVS A4 | 0.2000000 | | | | | | | Rim | | |
| Tinta Printer | 0.0200000 | | | | | | | Paket | | |
| A.3.3. | Stereokompila | | A.3.3.1. | Penyiapan Alat | Dokumen | cetak | Dokumen | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|--|-------------|-----------|---------------------------------------|------------|--------|
| | si | | dan Personil | kesiapan alat dan personil | dan digital | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 0.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 0.6666667 | U.H |
| | | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.6666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.3.2. | Stereoplotting (Semua Unsur)(Kepadatan Fitur Data : Jarang) | Geodatabase IG unsur peta dasar , Geodatabase breakline dan mass point | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 4.0000000 | O.H |
| | | | | | | | Operator Stereokompilasi | 24.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 16.0000000 | U.H |
| | | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | | Software GIS | 16.0000000 | U.H |
| | | | | | | | Software Stereoplotting | 16.0000000 | U.H. |
| | | | Stereoplotting | Geodatabase | digital | NLP (25K) | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|---|------------|-----------|---------------------------------------|------------|--------|
| | | | (Semua Unsur) (Kepadatan Fitur Data : Sedang) | IG unsur peta dasar , Geodatabase breakline dan mass point | | | Ketua Tim | 2.5000000 | O.H |
| | | | | | | | Staf Administrasi | 2.5000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 5.0000000 | O.H |
| | | | | | | | Operator Stereokompilasi | 30.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 20.0000000 | U.H |
| | | | | | | | Laptop | 5.0000000 | U.H |
| | | | | | | | Software GIS | 20.0000000 | U.H |
| | | | | | | | Software Stereoplotting | 20.0000000 | U.H. |
| | | | | | | | | | |
| | | | Stereoplotting (Semua Unsur) (Kepadatan Fitur Data : Padat) | Geodatabase IG unsur peta dasar , Geodatabase breakline dan mass point | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 3.0833333 | O.H |
| | | | | | | | Staf Administrasi | 3.0833333 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 6.1666667 | O.H |
| | | | | | | | Operator Stereokompilasi | 37.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Digital Stereoplotting PC Workstation | 24.6666667 | U.H |
| | | | | | | | Laptop | 6.1666667 | U.H |
| | | | | | | | Software GIS | 24.6666667 | U.H |
| | | | | | | | Software Stereoplotting | 24.6666667 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | A.3.3.3. | Pelaporan | Laporan Stereokompila | cetak dan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------------------------|----------|-----------------------------|------------------------------------|-------------------|-----------|--|-----------|--------|
| | | | | si | digital | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | Digital Stereoplotting PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.4. | Pembentukan Topologi dan Poligon | A.3.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.4.2. | Pembentukan | Geodatabase | digital | NLP (25K) | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|--|---|---------|-----------|--|-----------|--------|
| | | | Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | dengan topologi (clean topology dan Seamless) | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|------------|-----------|--|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | | | | |
| | | A.3.4.3. | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | | | | |
| | | | Pembentukan | Geodatabase | digital | NLP (25K) | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------|----------|---|--|-------------------|---------|--|-----------|--------|
| | | | dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | dengan fitur-fitur poligon beserta atribut (Seamless). | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | A.3.4.4. | Pelaporan | Laporan Pembentukan Topologi dan Poligon | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.5. | Pembentukan DTM | A.3.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan | 0.1666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|-----------------------------|-------------------------|-------------------|-----------|-----------------------------|-----------|--------|
| | | | | | | | DTM | | |
| | | | | | | | Operator Pembentukan DTM | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.0666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.5.2. | Pembentukan dan Editing DTM | File DTM | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 0.6666667 | O.H |
| | | | | | | | Operator Pembentukan DTM | 4.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.6666667 | U.H. |
| | | | | | | | PC Workstation | 2.6666667 | U.H. |
| | | | | | | | Software GIS | 2.6666667 | U.H. |
| | | | | | | | Software Stereoplotting | 0.2666667 | U.H |
| | | A.3.5.3. | Pelaporan | Laporan Pembentukan DTM | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 2.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------------|----------|-----------------------------|------------------------------------|-------------------|-----------|---|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.6. | Pembentukan Kontur dan Spotheight | A.3.6.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.6.2. | Pembentukan dan Editing | Geodatabase kontur | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.5000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-----------------------------------|---------|-----------|---|-----------|--------|
| | | | Kontur (Topografi Wilayah : Landai) | hypsografi | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.0000000 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 6.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.0000000 | U.H. |
| | | | | | | | PC Workstation | 4.0000000 | U.H. |
| | | | | | | | Software GIS | 4.0000000 | U.H. |
| | | | Pembentukan dan Editing Kontur (Topografi Wilayah : Berbukit) | Geodatabase kontur hypsografi | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.3333333 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 8.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.3333333 | U.H. |
| | | | | | | | PC Workstation | 5.3333333 | U.H. |
| | | | | | | | Software GIS | 5.3333333 | U.H. |
| | | A.3.6.3. | Pembentukan Spotheight | Geodatabase Spotheight hypsografi | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.3333333 | O.H |
| | | | | | | | Operator Pembentukan Kontur dan Spotheight | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|------------------|----------|--|---|------------------------------|---------|---|-----------|--------|
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | A.3.6.4. | Pelaporan | Laporan Pembentukan Kontur dan Spotheight | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.7. | Persiapan Survey | A.3.7.1. | Persiapan Alat dan Personil Persiapan Survei | Dokumen kesiapan alat dan personil | cetak dan digital (scan pdf) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.8333333 | U.H |
| | | | | | | | Plotter | 1.0000000 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------|-------------------------|---------|--|----------------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.7.2. | Mobilisasi | | | NLP | Personil | | |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi (Koordinator & Operator) | 2.0000000 | O.K. |
| | | A.3.7.3. | Koordinasi dengan Instansi Terkait | Ijin Survei | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 10.000000 0 | U.H |
| | | | | | | | Laptop | 10.000000 0 | U.H |
| | | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | | Printer | 5.0000000 | U.H |
| | | | | | | | Scanner A4 | 5.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------------|-----------------------------|-------------------|---------|---|-----------|--------|
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.7.4. | Demobilisasi | | | NLP | Personil | | |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara Basecamp) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi (Koordinator & Operator) | 2.0000000 | O.K. |
| | | | | | | | Bahan | | |
| | | A.3.7.5. | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Software GIS | 1.3333333 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|----------------|-------------------|--------|---|-----------|-----------|
| | | A.3.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0833333 | U.H. |
| | | | | | | | PC Workstation | 0.3333333 | U.H. |
| | | | | | | | Plotter | 0.5000000 | U.H |
| | | | | | | | Printer | 0.5000000 | U.H |
| | | | | | | | Software GIS | 0.3333333 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0050000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0008000 | paket |
| | | | | | | | Kertas Peta | 4.0000000 | lembar A0 |
| | | A.3.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek sedang) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083334 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500007 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1083334 | U.H. |
| | | | | | | | PC Workstation | 0.4333338 | U.H. |
| | | | | | | | Plotter | 0.6500007 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------------|---------|--|-----------|--------------|
| | | | | | | | Printer | 0.6500007 | U.H |
| | | | | | | | Software GIS | 0.4333338 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0050000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0008000 | paket |
| | | | | | | | Kertas Peta | 4.0000000 | lembar A0 |
| | | A.3.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0699998 | O.H |
| | | | | | | | Staf Administrasi | 0.0699998 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1399996 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 0.8399973 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1399996 | U.H. |
| | | | | | | | PC Workstation | 0.5599982 | U.H. |
| | | | | | | | Plotter | 0.8399973 | U.H |
| | | | | | | | Printer | 0.8399973 | U.H |
| | | | | | | | Software GIS | 0.5599982 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0050000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0008000 | paket |
| | | | | | | | Kertas Peta | 4.0000000 | lembar A0 |
| | | A.3.7.7. | Pembuatan Rencana Detil | Rencana Detil Survei | cetak dan | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---------------------|----------|-------------------|---------|---|-----------|-----------|
| | | | Survei | | digital | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 2.0000000 | U.H. |
| | | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | | Plotter | 1.0000000 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.2500000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | | | | | | Tinta Plotter | 0.0004000 | paket |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | A.3.7.8. | Pencetakan Formulir | Formulir | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | Kertas HVS A4 | 1.0000000 | Rim |
| | | | | | | | Tinta Printer | 0.1000000 | Paket |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------------------------|----------|-----------------------------|-------------------------------------|-------------------|---------|---|-----------|--------|
| | | A.3.7.9. | Pelaporan | Laporan Survei Kelengkapan Lapangan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.8. | Survey Kelengkapan Lapangan | A.3.8.1. | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Entry Data Lapangan | 0.0833333 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.4166667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A0 | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | Software GIS | 1.1666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.8.2. | Mobilisasi | Tiket PP, Sewa Kendaraan | | | Personil | | |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | | Operator Entry Data Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi (Koordinator & Operator) | 14.0000000 | O.K. |
| | | | Mobilisasi Lokal (Kapal) | Sewa Kapal | | | Alat | | |
| | | | | | | | Moda Transportasi Lokal (Kapal) | 1.0000000 | U.H |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0500000 | O.H |
| | | | | | | | Staf Administrasi | 0.0500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.6000000 | O.H |
| | | | | | | | Buruh Lokal | 0.6000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6000000 | U.H |
| | | | | | | | Kamera Digital | 0.6000000 | U.H |
| | | | | | | | Laptop | 0.8000000 | U.H |
| | | | | | | | Mobil | 0.6000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0583333 | O.H |
| | | | | | | | Staf Administrasi | 0.0583333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1166667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.7000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Buruh Lokal | 0.7000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7000000 | U.H |
| | | | | | | | Kamera Digital | 0.7000000 | U.H |
| | | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | | Laptop | 0.9333333 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0666667 | O.H |
| | | | | | | | Staf Administrasi | 0.0666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.8000000 | O.H |
| | | | | | | | Buruh Lokal | 0.8000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.9333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.8000000 | U.H |
| | | | | | | | Kamera Digital | 0.8000000 | U.H |
| | | | | | | | Laptop | 1.0666667 | U.H |
| | | | | | | | Mobil | 0.8000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey | 0.1083333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|---|-----------|--------|
| | | | rendah, cuaca buruk) | | | | Kelengkapan Lapangan | | |
| | | | | | | | Operator Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | | Kamera Digital | 0.6500000 | U.H |
| | | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | | Mobil | 0.6500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0650000 | O.H |
| | | | | | | | Staf Administrasi | 0.0650000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1300000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.7800000 | O.H |
| | | | | | | | Buruh Lokal | 0.7800000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.9100000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7800000 | U.H |
| | | | | | | | Kamera Digital | 0.7800000 | U.H |
| | | | | | | | Laptop | 1.0400000 | U.H |
| | | | | | | | Mobil | 0.7800000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur | Unsur | cetak | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|-------------------|--------|---|-----------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Rupabumi terverifikasi | dan digital | | Ketua Tim | 0.0758333 | O.H |
| | | | | | | | Staf Administrasi | 0.0758333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1516667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.9100000 | O.H |
| | | | | | | | Buruh Lokal | 0.9100000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.0616667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.9100000 | U.H |
| | | | | | | | Kamera Digital | 0.9100000 | U.H |
| | | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | | Laptop | 1.2133333 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Unsur Rupabumi terverifikasi | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0866667 | O.H |
| | | | | | | | Staf Administrasi | 0.0866667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1733333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.0400000 | O.H |
| | | | | | | | Buruh Lokal | 1.0400000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.2133333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0400000 | U.H |
| | | | | | | | Kamera Digital | 1.0400000 | U.H |
| | | | | | | | Laptop | 1.3866667 | U.H |
| | | | | | | | Mobil | 1.0400000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | | Mobil | 2.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2500000 | O.H |
| | | | | | | | Staf Administrasi | 0.2500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 3.0000000 | O.H |
| | | | | | | | Buruh Lokal | 3.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.5000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.0000000 | U.H |
| | | | | | | | Kamera Digital | 3.0000000 | U.H |
| | | | | | | | Laptop | 4.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3333333 | O.H |
| | | | | | | | Staf Administrasi | 0.3333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.6666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 4.0000000 | O.H |
| | | | | | | | Buruh Lokal | 4.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.6666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.0000000 | U.H |
| | | | | | | | Kamera Digital | 4.0000000 | U.H |
| | | | | | | | Laptop | 5.3333333 | U.H |
| | | | | | | | Mobil | 4.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | | Laptop | 1.7333333 | U.H |
| | | | | | | | Mobil | 1.3000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 2.6000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | buruk) | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | | Mobil | 2.6000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3250000 | O.H |
| | | | | | | | Staf Administrasi | 0.3250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 3.9000000 | O.H |
| | | | | | | | Buruh Lokal | 3.9000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.5500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.9000000 | U.H |
| | | | | | | | Kamera Digital | 3.9000000 | U.H |
| | | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | | Laptop | 5.2000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4333333 | O.H |
| | | | | | | | Staf Administrasi | 0.4333333 | O.H |
| | | | | | | | Koordinator Survey | 0.8666667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | sangat berat, kepadatan objek padat, cuaca buruk) | | | | Kelengkapan Lapangan | | |
| | | | | | | | Operator Kelengkapan Lapangan | 5.2000000 | O.H |
| | | | | | | | Buruh Lokal | 5.2000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.0666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.2000000 | U.H |
| | | | | | | | Kamera Digital | 5.2000000 | U.H |
| | | | | | | | Laptop | 6.9333333 | U.H |
| | | | | | | | Mobil | 5.2000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | Mobil | 0.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi | Batas Wilayah | cetak | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Indikatif | dan digital | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Buruh Lokal | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.3333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.0000000 | U.H |
| | | | | | | | Kamera Digital | 2.0000000 | U.H |
| | | | | | | | Laptop | 2.6666667 | U.H |
| | | | | | | | Mobil | 2.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | | Kamera Digital | 0.6500000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | | Mobil | 0.6500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Buruh Lokal | 1.3000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.3000000 | U.H |
| | | | | | | | Kamera Digital | 1.3000000 | U.H |
| | | | | | | | Laptop | 0.6000000 | U.H |
| | | | | | | | Mobil | 1.3000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.2750000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2166667 | O.H |
| | | | | | | | Staf Administrasi | 0.2166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | | Mobil | 2.6000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.7500000 | O.H |
| | | | | | | | Staf Administrasi | 0.7500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 9.0000000 | O.H |
| | | | | | | | Buruh Lokal | 9.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | baik) | | | | Alat | | |
| | | | | | | | Akomodasi | 10.500000 0 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 9.0000000 | U.H |
| | | | | | | | Kamera Digital | 9.0000000 | U.H |
| | | | | | | | Laptop | 12.000000 0 | U.H |
| | | | | | | | Mobil | 9.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.8333333 | O.H |
| | | | | | | | Staf Administrasi | 0.8333333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.6666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 10.000000 0 | O.H |
| | | | | | | | Buruh Lokal | 10.000000 0 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 11.666666 7 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 10.000000 0 | U.H |
| | | | | | | | Kamera Digital | 10.000000 0 | U.H |
| | | | | | | | Laptop | 13.333333 3 | U.H |
| | | | | | | | Mobil | 10.000000 0 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan | Nama Unsur | cetak | NLP | Personil | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|------------|--------|
| | | | Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Rupabumi Terkumpul | dan digital | | Ketua Tim | 0.9166667 | O.H |
| | | | | | | | Staf Administrasi | 0.9166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.8333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 11.0000000 | O.H |
| | | | | | | | Buruh Lokal | 11.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 12.8333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 11.0000000 | U.H |
| | | | | | | | Kamera Digital | 11.0000000 | U.H |
| | | | | | | | Kapal | 0.3437500 | U.H |
| | | | | | | | Mobil | 10.6562500 | U.H |
| | | | | | | | Laptop | 14.6666666 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.0000000 | O.H |
| | | | | | | | Staf Administrasi | 1.0000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | | Buruh Lokal | 12.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 14.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | GPS Handheld dan Kelengkapannya | 12.0000000 | U.H |
| | | | | | | | Kamera Digital | 12.0000000 | U.H |
| | | | | | | | Laptop | 16.0000000 | U.H |
| | | | | | | | Mobil | 12.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.9750000 | O.H |
| | | | | | | | Staf Administrasi | 0.9750000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 11.7000000 | O.H |
| | | | | | | | Buruh Lokal | 11.7000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 13.6500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 11.7000000 | U.H |
| | | | | | | | Kamera Digital | 11.7000000 | U.H |
| | | | | | | | Laptop | 15.6000000 | U.H |
| | | | | | | | Mobil | 11.7000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur | Nama Unsur Rupabumi | cetak dan | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.0833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|------------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Terkumpul | digital | | Staf Administrasi | 1.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.1666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 13.0000000 | O.H |
| | | | | | | | Buruh Lokal | 13.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 15.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 13.0000000 | U.H |
| | | | | | | | Kamera Digital | 13.0000000 | U.H |
| | | | | | | | Laptop | 4.3353333 | U.H |
| | | | | | | | Mobil | 13.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.1916667 | O.H |
| | | | | | | | Staf Administrasi | 1.1916667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.3833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 14.3000000 | O.H |
| | | | | | | | Buruh Lokal | 14.3000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 16.6833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 14.3000000 | U.H |
| | | | | | | | Kamera Digital | 14.3000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | Kapal | 0.4468750 | U.H |
| | | | | | | | Mobil | 13.8531250 | U.H |
| | | | | | | | Laptop | 19.0666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 1.3000000 | O.H |
| | | | | | | | Staf Administrasi | 1.3000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 15.6000000 | O.H |
| | | | | | | | Buruh Lokal | 15.6000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 18.2000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 15.6000000 | U.H |
| | | | | | | | Kamera Digital | 15.6000000 | U.H |
| | | | | | | | Laptop | 20.8000000 | U.H |
| | | | | | | | Mobil | 15.6000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.8333333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | | | | Operator Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | | Buruh Lokal | 5.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.8333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.0000000 | U.H |
| | | | | | | | Kamera Digital | 5.0000000 | U.H |
| | | | | | | | Laptop | 6.6666667 | U.H |
| | | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 6.0000000 | O.H |
| | | | | | | | Buruh Lokal | 6.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 7.0000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 6.0000000 | U.H |
| | | | | | | | Kamera Digital | 6.0000000 | U.H |
| | | | | | | | Laptop | 8.0000000 | U.H |
| | | | | | | | Mobil | 6.0000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur | Nama Unsur Rupabumi | cetak dan | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5833333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|------------|--------|
| | | | Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Terkumpul | digital | | Staf Administrasi | 0.5833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.1666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 7.0000000 | O.H |
| | | | | | | | Buruh Lokal | 7.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 8.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 7.0000000 | U.H |
| | | | | | | | Kamera Digital | 7.0000000 | U.H |
| | | | | | | | Kapal | 0.2187500 | U.H |
| | | | | | | | Mobil | 6.7812500 | U.H |
| | | | | | | | Laptop | 9.3333333 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.6666667 | O.H |
| | | | | | | | Staf Administrasi | 0.6666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.3333333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 8.0000000 | O.H |
| | | | | | | | Buruh Lokal | 8.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.3333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 8.0000000 | U.H |
| | | | | | | | Kamera Digital | 8.0000000 | U.H |
| | | | | | | | Laptop | 10.6666667 | U.H |
| | | | | | | | Mobil | 8.0000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.5416667 | O.H |
| | | | | | | | Staf Administrasi | 0.5416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 6.5000000 | O.H |
| | | | | | | | Buruh Lokal | 6.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 7.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 6.5000000 | U.H |
| | | | | | | | Kamera Digital | 6.5000000 | U.H |
| | | | | | | | Laptop | 8.6666667 | U.H |
| | | | | | | | Mobil | 6.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.6500000 | O.H |
| | | | | | | | Staf Administrasi | 0.6500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 7.8000000 | O.H |
| | | | | | | | Buruh Lokal | 7.8000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 9.1000000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 7.8000000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | Kamera Digital | 7.8000000 | U.H |
| | | | | | | | Laptop | 10.4000000 | U.H |
| | | | | | | | Mobil | 7.8000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.7583333 | O.H |
| | | | | | | | Staf Administrasi | 0.7583333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.5166667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 9.1000000 | O.H |
| | | | | | | | Buruh Lokal | 9.1000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 10.6166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 9.1000000 | U.H |
| | | | | | | | Kamera Digital | 9.1000000 | U.H |
| | | | | | | | Kapal | 0.2843750 | U.H |
| | | | | | | | Mobil | 8.8156250 | U.H |
| | | | | | | | Laptop | 12.1333333 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.8666667 | O.H |
| | | | | | | | Staf Administrasi | 0.8666667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.7333333 | O.H |
| | | | | | | | Operator Kelengkapan | 10.4000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|----------------|--------|
| | | | kepadatan objek sedang, cuaca buruk) | | | | Lapangan | 0 | |
| | | | | | | | Buruh Lokal | 10.400000 0 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 12.133333 3 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 10.400000 0 | U.H |
| | | | | | | | Kamera Digital | 10.400000 0 | U.H |
| | | | | | | | Laptop | 13.866666 7 | U.H |
| | | | | | | | Mobil | 10.400000 0 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | | Buruh Lokal | 1.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.7500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.5000000 | U.H |
| | | | | | | | Kamera Digital | 1.5000000 | U.H |
| | | | | | | | Laptop | 2.0000000 | U.H |
| | | | | | | | Mobil | 1.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4166667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 2.5000000 | O.H |
| | | | | | | | Buruh Lokal | 2.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.9166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 2.5000000 | U.H |
| | | | | | | | Kamera Digital | 2.5000000 | U.H |
| | | | | | | | Laptop | 3.3333333 | U.H |
| | | | | | | | Mobil | 2.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2916667 | O.H |
| | | | | | | | Staf Administrasi | 0.2916667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 3.5000000 | O.H |
| | | | | | | | Buruh Lokal | 3.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 4.0833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.5000000 | U.H |
| | | | | | | | Kamera Digital | 3.5000000 | U.H |
| | | | | | | | Kapal | 0.1093750 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Mobil | 3.3906250 | U.H |
| | | | | | | | Laptop | 4.6666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3750000 | O.H |
| | | | | | | | Staf Administrasi | 0.3750000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.7500000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 4.5000000 | O.H |
| | | | | | | | Buruh Lokal | 4.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.2500000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.5000000 | U.H |
| | | | | | | | Kamera Digital | 4.5000000 | U.H |
| | | | | | | | Laptop | 6.0000000 | U.H |
| | | | | | | | Mobil | 4.5000000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.2750000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | | Mobil | 1.9500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.2708333 | O.H |
| | | | | | | | Staf Administrasi | 0.2708333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5416667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 3.2500000 | O.H |
| | | | | | | | Buruh Lokal | 3.2500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 3.7916667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 3.2500000 | U.H |
| | | | | | | | Kamera Digital | 3.2500000 | U.H |
| | | | | | | | Laptop | 4.3333333 | U.H |
| | | | | | | | Mobil | 3.2500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.3791667 | O.H |
| | | | | | | | Staf Administrasi | 0.3791667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.7583333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 4.5500000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|-------------------|--------|---|-----------|--------|
| | | | cuaca buruk) | | | | Buruh Lokal | 4.5500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 5.3083333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 4.5500000 | U.H |
| | | | | | | | Kamera Digital | 4.5500000 | U.H |
| | | | | | | | Kapal | 0.1421875 | U.H |
| | | | | | | | Mobil | 4.4078125 | U.H |
| | | | | | | | Laptop | 6.0666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.4875000 | O.H |
| | | | | | | | Staf Administrasi | 0.4875000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.9750000 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 5.8500000 | O.H |
| | | | | | | | Buruh Lokal | 5.8500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 6.8250000 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 5.8500000 | U.H |
| | | | | | | | Kamera Digital | 5.8500000 | U.H |
| | | | | | | | Laptop | 7.8000000 | U.H |
| | | | | | | | Mobil | 5.8500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0138889 | O.H |
| | | | | | | | Staf Administrasi | 0.0138889 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|-------------------|--------|---|-----------|--------|
| | | | aksesibilitas rendah, cuaca baik) | | | | Koordinator Survey Kelengkapan Lapangan | 0.0277778 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | | Mobil | 0.1666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0208333 | O.H |
| | | | | | | | Staf Administrasi | 0.0208333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0416667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.2500000 | O.H |
| | | | | | | | Buruh Lokal | 0.2500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2916667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2500000 | U.H |
| | | | | | | | Kamera Digital | 0.2500000 | U.H |
| | | | | | | | Laptop | 0.3333333 | U.H |
| | | | | | | | Mobil | 0.2500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|-------------------|-------------------|--------|---|-----------|--------|
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | | Buruh Lokal | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.1666667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 1.0000000 | U.H |
| | | | | | | | Kamera Digital | 1.0000000 | U.H |
| | | | | | | | Laptop | 1.3333333 | U.H |
| | | | | | | | Mobil | 1.0000000 | U.H |
| | | | | | | | Bahan | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0198413 | O.H |
| | | | | | | | Staf Administrasi | 0.0198413 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0396825 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | | Buruh Lokal | 0.2380952 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.2777778 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.2380952 | U.H |
| | | | | | | | Kamera Digital | 0.2380952 | U.H |
| | | | | | | | Laptop | 0.3174603 | U.H |
| | | | | | | | Mobil | 0.2380952 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0297619 | O.H |
| | | | | | | | Staf Administrasi | 0.0297619 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0595238 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.3571429 | O.H |
| | | | | | | | Buruh Lokal | 0.3571429 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | | Kamera Digital | 0.3571429 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-------------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Laptop | 0.4761905 | U.H |
| | | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1190476 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 0.7142857 | O.H |
| | | | | | | | Buruh Lokal | 0.7142857 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | | GPS Handheld dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | | Kamera Digital | 0.7142857 | U.H |
| | | | | | | | Laptop | 0.9523810 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Hasil Uji Akurasi | cetak dan digital | Titik | Personil | | |
| | | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | | Operator Kelengkapan Lapangan | 1.4285714 | O.H |
| | | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | | GPS Handheld dan | 1.4285714 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|-----------------|-------------------|--------|---|-----------|--------|
| | | | | | | | Kelengkapannya | | |
| | | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | | Laptop | 1.9047619 | U.H |
| | | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.7. | Pengolahan Data SKL (Kepadatan Objek Jarak) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | | Operator Survey Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Operator Entry Data Lapangan | 0.1083333 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 1.6250000 | U.H |
| | | | | | | | Laptop | 1.8416667 | U.H |
| | | | | | | | Scanner A4 | 1.3000000 | U.H |
| | | | | | | | Software GIS | 1.6250000 | U.H |
| | | | | | | | Software GPS Mapping | 1.6250000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.7. | Pengolahan Data SKL (Kepadatan Objek Sedang) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1500000 | O.H |
| | | | | | | | Staf Administrasi | 0.1500000 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3000000 | O.H |
| | | | | | | | Operator Survey Kelengkapan Lapangan | 1.8000000 | O.H |
| | | | | | | | Operator Entry Data | 0.1500000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|--------------------------|-------------------|--------|---|------------|--------|
| | | | | | | | Lapangan | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.2500000 | U.H |
| | | | | | | | Laptop | 2.5500000 | U.H |
| | | | | | | | Scanner A4 | 1.8000000 | U.H |
| | | | | | | | Software GIS | 2.2500000 | U.H |
| | | | | | | | Software GPS Mapping | 2.2500000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.7. | Pengolahan Data SKL (Kepadatan Objek Padat) | Geodatabase SKL | cetak dan digital | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.1916667 | O.H |
| | | | | | | | Staf Administrasi | 0.1916667 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 0.3833333 | O.H |
| | | | | | | | Operator Survey Kelengkapan Lapangan | 2.3000000 | O.H |
| | | | | | | | Operator Entry Data Lapangan | 0.1916667 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.8750000 | U.H |
| | | | | | | | Laptop | 3.2583333 | U.H |
| | | | | | | | Scanner A4 | 2.3000000 | U.H |
| | | | | | | | Software GIS | 2.8750000 | U.H |
| | | | | | | | Software GPS Mapping | 2.8750000 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 0.0400000 | Set |
| | | A.3.8.8. | Demobilisasi | Tiket PP, Sewa Kendaraan | | | Personil | | |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-------------------|----------|-----------------------------|-------------------------------------|-------------------|---------|---|-----------------|--------|
| | | | | | | | Operator Entry Data Lapangan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Mobil (Kantor-Bandara / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Mobil (Bandara - Basecamp / Sebaiknya) | 1.0000000 | U.H |
| | | | | | | | Tiket Transportasi (Koordinator & Operator) | 14.0000000 0 | O.K |
| | | | | | | | | | |
| | | A.3.8.10 | Pelaporan | Laporan Survei Kelengkapan Lapangan | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Survei Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A0 | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.9. | Penyelarasan Data | A.3.9.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.1666667 | O.H |
| | | | | | | | Operator Penyelarasan Data | 1.0000000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|--|--|------------|-----------|-------------------------------|-----------|--------|
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | | PC Workstation | 0.6666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 0.6666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.9.2. | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.4166667 | O.H |
| | | | | | | | Operator Penyelarasan Data | 2.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.4166667 | U.H |
| | | | | | | | PC Workstation | 1.6666667 | U.H |
| | | | | | | | Software GIS | 1.6666667 | U.H |
| | | | | | | | | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.8333333 | O.H |
| | | | | | | | Operator Penyelarasan Data | 5.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.8333333 | U.H |
| | | | | | | | PC Workstation | 3.3333333 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|---|---|---------|-------------|-------------------------------|-----------|--------|
| | | | | | | | Software GIS | 3.3333333 | U.H |
| | | | | | | | Bahan | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.6250000 | O.H |
| | | | | | | | Staf Administrasi | 0.6250000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 1.2500000 | O.H |
| | | | | | | | Operator Penyelarasan Data | 7.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 1.2500000 | U.H |
| | | | | | | | PC Workstation | 5.0000000 | U.H |
| | | | | | | | Software GIS | 5.0000000 | U.H |
| | | | | | | | | | |
| | | A.3.9.3. | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | digital | NLP (25K) | Personil | | |
| | | | | | | | Ketua Tim | 0.1000000 | O.H |
| | | | | | | | Staf Administrasi | 0.1000000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.2000000 | O.H |
| | | | | | | | Operator Penyelarasan Data | 1.2000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.2000000 | U.H |
| | | | | | | | PC Workstation | 0.8000000 | U.H |
| | | | | | | | Software GIS | 0.8000000 | U.H |
| | | | | | | | | | |
| | | A.3.9.4. | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | digital | Geodatabase | Personil | | |
| | | | | | | | Ketua Tim | 0.2083333 | O.H |
| | | | | | | | Staf Administrasi | 0.2083333 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 0.4166667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|----------------------|----------|-----------------------------|------------------------------------|-------------------|---------|----------------------------------|-----------|--------|
| | | | | | | | Operator Penyelaras Data | 2.5000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.4166667 | U.H |
| | | | | | | | PC Workstation | 1.6666667 | U.H |
| | | | | | | | Software GIS | 1.6666667 | U.H |
| | | A.3.9.5. | Pelaporan | Laporan Penyelaras Data | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Penyelaras Data | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.10 | Pembentukan Metadata | A.3.10.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|----------------------|---|-------------------|-----------------|----------------------------------|-----------|--------|
| | | | | | | | PC Workstation | 1.1666667 | U.H |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.1666667 | U.H |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.10.2 | Pembentukan Metadata | Metadata yang telah dimasukkan dalam Geodatabase (merujuk pada ISO 19115) | digital | Geodatabas e | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 0.1666667 | O.H |
| | | | | | | | Operator Pembentukan Metadata | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H |
| | | | | | | | PC Workstation | 1.1666667 | U.H |
| | | | | | | | Software GIS | 1.1666667 | U.H |
| | | A.3.10.3 | Pelaporan | Laporan Pembuatan Metadata | cetak dan digital | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 2.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|---------------------------|----------|--|-------------------------------------|------------------------------|---------|---------------------------------------|-----------|--------|
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.11 | Penyajian Hasil Pekerjaan | A.3.11.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | cetak dan digital (scan PDF) | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | | Staf Administrasi | 0.0833333 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.1666667 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 1.0000000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | | PC Workstation | 1.1666667 | U.H. |
| | | | | | | | Plotter | 1.0000000 | U.H. |
| | | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | | Software GIS | 1.1666667 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.0200000 | Rim |
| | | | | | | | Tinta Printer | 0.0020000 | Paket |
| | | A.3.11.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout dalam format yang ditentukan | Digital | Tema | Personil | | |
| | | | | | | | Ketua Tim | 0.0119048 | O.H |
| | | | | | | | Staf Administrasi | 0.0119048 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.0238095 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 0.1428571 | O.H |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|----------|----------------------------|---------------------------------------|-------------------|---------|---------------------------------------|-----------|-----------|
| | | | | | | | Laptop | 0.0238095 | U.H. |
| | | | | | | | PC Workstation | 0.1666667 | U.H. |
| | | | | | | | Software GIS | 0.1666667 | U.H. |
| | | | | | | | | | |
| | | A.3.11.3 | Pencetakan Hasil Pekerjaan | hasil pekerjaan dalam format hardcopy | cetak dan digital | Lembar | Personil | | |
| | | | | | | | Ketua Tim | 0.0059524 | O.H |
| | | | | | | | Staf Administrasi | 0.0059524 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.0119048 | O.H |
| | | | | | | | Operator Penyajian Hasil Pekerjaan | 0.0714286 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.0119048 | U.H. |
| | | | | | | | PC Workstation | 0.0833333 | U.H. |
| | | | | | | | Plotter | 0.0714286 | U.H. |
| | | | | | | | Software GIS | 0.0833333 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas Peta | 2.0000000 | lembar A0 |
| | | | | | | | Tinta Plotter | 0.0004000 | Paket |
| | | A.3.11.4 | Pelaporan | Laporan Penyajian hasil pekerjaan | cetak dan digital | Dokumen | Personil | | |
| | | | | Album peta (draft dan akhir) | | | Ketua Tim | 2.0000000 | O.H |
| | | | | soft copy data | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 2.0000000 | O.H |
| | | | | | | | Alat | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Forma t | Satuan | Sumber Daya | Koefisien | Satuan |
|--------|-----------|----------|-------------------|-------------------|------------|---------|---|------------|--------|
| | | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Kertas HVS A4 | 0.2000000 | Rim |
| | | | | | | | Tinta Printer | 0.0200000 | Paket |
| A.3.12 | Pelaporan | A.3.12.1 | Kompilasi Laporan | Kompilasi Laporan | | Dokumen | Personil | | |
| | | | | | | | Ketua Tim | 5.0000000 | O.H |
| | | | | | | | Staf Administrasi | 5.0000000 | O.H |
| | | | | | | | Koordinator Stereokompilasi | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan DTM | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1.2500000 | OH |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.2500000 | O.H |
| | | | | | | | Koordinator Penyelarasan Data | 1.2500000 | O.H |
| | | | | | | | Koordinator Pembentukan Metadata | 1.2500000 | OH |
| | | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.2500000 | O.H |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 10.0000000 | U.H. |
| | | | | | | | PC Workstation | 10.0000000 | U.H. |
| | | | | | | | Printer | 5.0000000 | U.H. |
| | | | | | | | Scanner A4 | 5.0000000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Format | Satuan | Sumber Daya | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|--------|--------------------|-----------|-------------|
| | | | | | | | Bahan | | |
| | | | | | | | ATK | 1.0000000 | Set |
| | | | | | | | Harddisk Eksternal | 1.0000000 | Unit |
| | | | | | | | Kertas HVS A4 | 2.0000000 | RIM |
| | | | | | | | Penjilidan | 3.0000000 | Rangka p |
| | | | | | | | Tinta Printer | 1.0000000 | Paket |

Keterangan:

- Mobilisasi Lokal (Kapal) digunakan jika transportasi menuju area pekerjaan memerlukan transportasi lokal kapal.
- Koefisien alat yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisis Biaya Keluaran Kegiatan

e. Generalisasi Peta Rupabumi Indonesia Skala Menengah

BADAN INFORMASI
GEOSPASIAL

Pelaksanaan pekerjaan Generalisasi Peta Rupabumi Indonesia Skala Menengah dipengaruhi oleh faktor produktivitas. Faktor Produktifitas berpengaruh terhadap lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Generalisasi Peta Rupabumi Indonesia Skala Menengah:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

4. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

Tabel berikut menunjukkan besaran koefisien pada Generalisasi Peta Rupabumi Indonesia Skala Menengah:

| A.4. Generalisasi Peta Rupabumi Indonesia Skala Menengah | | | | | | | | | | |
|--|-----------|---------|-----------------------------|--|---------|--|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.4.1. | Persiapan | A.4.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 4.00000 | O.H | | |
| | | | | | | Staf Administrasi | 4.00000 | O.H | | |
| | | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 4.00000 | O.H | | |
| | | | | | | Koordinator Pembentukan DTM | 4.00000 | O.H | | |
| | | | | | | Koordinator Pembentukan Kontur dan Spothight | 4.00000 | OH | | |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 4.00000 | O.H | | |
| | | | | | | Koordinator Penyelarasan Data | 4.00000 | O.H | | |
| | | | | | | Koordinator Pembuatan Metadata | 4.00000 | OH | | |
| | | | | | | Koordinator Penyajian Kartografis | 4.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Digital Stereoplotting PC | 0.00000 | U.H | | |

| | | | | | | |
|---------|--|-----------------------|---------|--|---------|------|
| | | | | Workstation | | |
| | | | | GPS Geodetik dan Kelengkapannya | 0.00000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.00000 | U.H |
| | | | | Kamera Digital | 0.00000 | U.H |
| | | | | Laptop | 0.00000 | U.H |
| | | | | PC Workstation | 0.00000 | U.H |
| | | | | Plotter | 0.00000 | U.H. |
| | | | | Printer | 0.00000 | U.H. |
| | | | | Scanner | 0.00000 | U.H. |
| | | | | Software Desain Grafis | 0.00000 | U.H. |
| | | | | Software GIS | 0.00000 | U.H |
| | | | | Software Kartografis berbasis GIS | 0.00000 | U.H. |
| | | | | Software Stereoplotting | 0.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | ATK | 1.00000 | Set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 2.00000 | O.H |

| | | | | | | | |
|--|--|--|--|--|--|----------|-----------|
| | | | | | Koordinator Pembentukan DTM | 2.00000 | O.H |
| | | | | | Koordinator Pembentukan Kontur dan Spothight | 2.00000 | OH |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | Koordinator Penyelarasan Data | 2.00000 | O.H |
| | | | | | Koordinator Pembuatan Metadata | 2.00000 | OH |
| | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 4.00000 | U.H. |
| | | | | | PC Workstation | 14.00000 | U.H. |
| | | | | | Plotter | 2.00000 | U.H. |
| | | | | | Printer | 2.00000 | U.H. |
| | | | | | Scanner | 2.00000 | U.H. |
| | | | | | Software GIS | 14.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|---------|-----------------------------|------------------------------------|---------|---|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|--|---------|-----|------------------|--|--|--------------------|---------|------|--------|---------|------|----------------|---------|------|---------|---------|------|------------------|---------|------|--------------|---------|------|------------------|---------|-----|------------------|--|--|--|--|--|
| | | A.4.1.3 | Pelaporan | Laporan Persiapan | Dokumen | <table border="1"> <tbody> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>2.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Harddisk Eksternal</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Laptop</td> <td>4.00000</td> <td>U.H.</td> </tr> <tr> <td>Printer</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>Scanner</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>Set</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </tbody> </table> | Personil | | | Ketua Tim | 2.00000 | O.H | Staf Administrasi | 2.00000 | O.H | a) Jumlah | | | Alat | | | Harddisk Eksternal | 1.00000 | U.H. | Laptop | 4.00000 | U.H. | Printer | 2.00000 | U.H. | Scanner | 2.00000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harddisk Eksternal | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 4.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.2. | Penyiapan Data | A.4.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | <table border="1"> <tbody> <tr> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td>Ketua Tim</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>2.00000</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Printer</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Scanner</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> </tbody> </table> | Personil | | | Ketua Tim | 1.00000 | O.H | Staf Administrasi | 1.00000 | O.H | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 2.00000 | U.H. | PC Workstation | 1.00000 | U.H. | Printer | 1.00000 | U.H. | Scanner | 1.00000 | U.H. | Software GIS | 1.00000 | U.H. | b) Jumlah | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|---------|----------------|--|---------|--|---------|------|
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | Ketua Tim | 1.00000 | O.H |
| | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 2.00000 | U.H. |
| | | | | PC Workstation | 1.00000 | U.H. |
| | | | | Software GIS | 1.00000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur | 2.00000 | O.H |

| | | | | | | | |
|--------|--|----------|--|------------------------------------|--|---------|------|
| | | | | | Rupabumi | | |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | Laptop | 4.00000 | U.H. |
| | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | Printer | 2.00000 | U.H. |
| | | | | | Scanner | 2.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | A.4.3.1. | Penyiapan Alat dan Personil Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | Dokumen Kesiapan Alat dan Personil | Dokumen | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.16667 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.16667 | U.H. |

| | | | | | | |
|----------|--|---|-----|--|---------|------|
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Printer | 1.00000 | U.H. |
| | | | | Scanner | 1.00000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Jarang, Topografi Landai) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | Ketua Tim | 0.03500 | O.H |
| | | | | Staf Administrasi | 0.03500 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.07000 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.42000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.07000 | U.H. |
| | | | | PC Workstation | 0.49000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.49000 | U.H. |

| | | | | | | |
|----------|--|---|-----|--|---------|------|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Jarang, Topografi Sedang) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | Ketua Tim | 0.05000 | O.H |
| | | | | Staf Administrasi | 0.05000 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.10000 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.60000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.10000 | U.H. |
| | | | | PC Workstation | 0.70000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.70000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | |
|--|---------|----------|--|---|-----|--|---|---|
| | | A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Jarang, Topografi Terjal) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.06500 | O.H |
| | | | | | | Staf Administrasi | 0.06500 | O.H |
| | | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.13000 | O.H |
| | | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.78000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.13000 | U.H. |
| | | | | | | PC Workstation | 0.91000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.91000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah | Unsur Line (termasuk garis penutup lahan) |
| Ketua Tim | 0.05000 | O.H | | | | | | |
| Staf Administrasi | 0.05000 | O.H | | | | | | |
| Koordinator Generalisasi Peta Rupabumi | 0.10000 | O.H | | | | | | |
| | | | | | | | | |

| | | | | | | |
|----------|--|--|-----|--|---------|------|
| | | Unsur Line (Tingkat Kepadatan Objek Sedang, Topografi Landai) | | Indonesia Skala Menengah Unsur Rupabumi | | |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.60000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.10000 | U.H. |
| | | | | PC Workstation | 0.70000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.70000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Sedang, Topografi Sedang) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | Ketua Tim | 0.07143 | O.H |
| | | | | Staf Administrasi | 0.07143 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.14286 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala | 0.85714 | O.H |

| | | | | | | | |
|----------|--|---|-----|--|--|---------|------|
| | | | | | Menengah Unsur Rupabumi | | |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.14286 | U.H. |
| | | | | | PC Workstation | 1.00000 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 1.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.09286 | O.H |
| | | | | | Staf Administrasi | 0.09286 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.18571 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.11429 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.18571 | U.H. |
| | | | | | PC Workstation | 1.30000 | U.H. |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Sedang, Topografi Terjal) | Unsur Line (termasuk garis penutup lahan) | NLP | | | | |

| | | | | | | |
|----------|---|---|-----|--|---------|------|
| | | | | Software Kartografis berbasis GIS | 1.30000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Padat, Topografi Landai) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | Ketua Tim | 0.06500 | O.H |
| | | | | Staf Administrasi | 0.06500 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.13000 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.78000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.13000 | U.H. |
| | | | | PC Workstation | 0.91000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.91000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
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| | | | | | | |
|----------|---|---|-----|--|---------|------|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Padat, Topografi Sedang) | Unsur Line (termasuk garis penutup lahan) | NLP | Personil | | |
| | | | | Ketua Tim | 0.09286 | O.H |
| | | | | Staf Administrasi | 0.09286 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.18571 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.11429 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.18571 | U.H. |
| | | | | PC Workstation | 1.30000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 1.30000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.2. | Generalisasi Peta Rupabumi | Unsur Line (termasuk garis | NLP | Personil | | |
| | | | | Ketua Tim | 0.12071 | O.H |
| | | | | Staf Administrasi | 0.12071 | O.H |

| | | | | | | | |
|----------|--|--|----------------|-----|--|---------|------|
| | | Indonesia Skala Menengah Unsur Line (Tingkat Kepadatan Objek Padat, Topografi Terjal) | penutup lahan) | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.24143 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.44857 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.24143 | U.H. |
| | | | | | PC Workstation | 1.69000 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 1.69000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat | Unsur Point | NLP | Personil | | |
| | | | | | Ketua Tim | 0.01750 | O.H |
| | | | | | Staf Administrasi | 0.01750 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.03500 | O.H |

| | | | | | | | |
|--|----------|--|--|-------------|--|---------|------|
| | | | Kepadatan Objek Jarang, Topografi Landai) | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.21000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.03500 | U.H. |
| | | | | | PC Workstation | 0.24500 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 0.24500 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.4.3.3. | | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Jarang, Topografi Sedang) | Unsur Point | NLP | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.02500 | O.H |
| | | | | | Staf Administrasi | 0.02500 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.05000 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.30000 | O.H |

| | | | | | | | |
|----------|---|-------------|-----|--|--|---------|------|
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.05000 | U.H. |
| | | | | | PC Workstation | 0.35000 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 0.35000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Jarang, Topografi Terjal) | Unsur Point | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.03250 | O.H |
| | | | | | Staf Administrasi | 0.03250 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.06500 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.39000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.06500 | U.H. |
| | | | | | PC Workstation | 0.45500 | U.H. |
| | | | | | Software Kartografis | 0.45500 | U.H. |

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|----------|---|-------------|-----|--|---------|------|
| | | | | berbasis GIS | | |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Sedang, Topografi Landai) | Unsur Point | NLP | Personil | | |
| | | | | Ketua Tim | 0.02500 | O.H |
| | | | | Staf Administrasi | 0.02500 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.05000 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.30000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.05000 | U.H. |
| | | | | PC Workstation | 0.35000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.35000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |

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| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Sedang, Topografi Sedang) | Unsur Point | NLP | Personil | | |
| | | | | Ketua Tim | 0.03571 | O.H |
| | | | | Staf Administrasi | 0.03571 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.07143 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.42857 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.07143 | U.H. |
| | | | | PC Workstation | 0.50000 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.50000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | Generalisasi Peta Rupabumi | Unsur Point | NLP | Personil | | |
| | | | | Ketua Tim | 0.04643 | O.H |
| | | | | Staf Administrasi | 0.04643 | O.H |

| | | | | | | | |
|----------|--|--|-------------|-----|--|---------|------|
| | | Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Sedang, Topografi Terjal) | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.09286 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.55714 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.09286 | U.H. |
| | | | | | PC Workstation | 0.65000 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 0.65000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat | Unsur Point | NLP | Personil | | |
| | | | | | Ketua Tim | 0.03250 | O.H |
| | | | | | Staf Administrasi | 0.03250 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.06500 | O.H |

| | | | | | | |
|----------|--|--|-------------|--|---------|------|
| | | Kepadatan Objek Padat, Topografi Landai) | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.39000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.06500 | U.H. |
| | | | | PC Workstation | 0.45500 | U.H. |
| | | | | Software Kartografis berbasis GIS | 0.45500 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Padat, Topografi Sedang) | Unsur Point | NLP | | |
| | | | | Personil | | |
| | | | | Ketua Tim | 0.04643 | O.H |
| | | | | Staf Administrasi | 0.04643 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.09286 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.55714 | O.H |

| | | | | | | | |
|----------|--|-------------|-----|--|--|---------|------|
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.09286 | U.H. |
| | | | | | PC Workstation | 0.65000 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 0.65000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.3.3. | Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Point (Tingkat Kepadatan Objek Padat, Topografi Terjal) | Unsur Point | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.06036 | O.H |
| | | | | | Staf Administrasi | 0.06036 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.12071 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.72429 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.12071 | U.H. |
| | | | | | PC Workstation | 0.84500 | U.H. |
| | | | | | Software Kartografis | 0.84500 | U.H. |

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| | | | | berbasis GIS | | |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.9.3. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | | Ketua Tim | 0.08333 | O.H |
| | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.16667 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H. |
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Software Kartografis berbasis GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
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| | | | | c) Jumlah | | |

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|---|---|-----|--|--|------|--|
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | | |
| | | | Ketua Tim | 0.12500 | O.H | |
| | | | Staf Administrasi | 0.12500 | O.H | |
| | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.25000 | O.H | |
| | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.50000 | O.H | |
| | | | a) Jumlah | | | |
| | | | Alat | | | |
| | | | Laptop | 0.25000 | U.H. | |
| | | | PC Workstation | 1.75000 | U.H. | |
| | | | Software Kartografis berbasis GIS | 1.75000 | U.H. | |
| | | | b) Jumlah | | | |
| | | | Bahan | | | |
| | | | c) Jumlah | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| Pembentukan Topologi dan Editing | Geodatabase dengan topologi | NLP | Personil | | | |
| | | | Ketua Tim | 0.16667 | O.H | |
| | | | Staf Administrasi | 0.16667 | O.H | |

| | | | | | | | |
|--|----------|--|--|-----|---|---------|------|
| | | Topologi (Tingkat Kepadatan Objek : Padat) | (clean topology dan Seamless) | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.33333 | O.H |
| | | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.33333 | U.H. |
| | | | | | PC Workstation | 2.33333 | U.H. |
| | | | | | Software Kartografis berbasis GIS | 2.33333 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.4.9.4. | Pembentukan dan Editing Poligon (Tingkat Kepadatan Objek : Jarang) | Geodatabase dengan fitur- fitur poligon beserta atribut (Seamless). | NLP | Personil | | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.16667 | O.H |

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|--|--|--|--|---|---------|------|
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H. |
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Software Kartografis berbasis GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | Personil | | |
| | | | | Ketua Tim | 0.12500 | O.H |
| | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 0.25000 | O.H |
| | | | | Operator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 1.50000 | O.H |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Objek : Sedang) | Geodatabase dengan fitur- fitur poligon beserta atribut (Seamless). | NLP | |

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|--------|--------------------|----------|-----------------------------------|---|--|---|--------------|
| | | | | | berbasis GIS | | |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.3.4. | Pelaporan | Laporan Generaslisasi Unsur Rupabumi | Dokumen | Personil | |
| | | | | | | Ketua Tim | 2.00000 O.H |
| | | | | | | Staf Administrasi | 2.00000 O.H |
| | | | | | | Koordinator Generalisasi Peta Rupabumi Indonesia Skala Menengah Unsur Rupabumi | 2.00000 O.H |
| | | | | | | a) Jumlah | |
| | | | | | | Alat | |
| | | | | | | Harddisk Eksternal | 0.00000 U.H. |
| | | | | | | Laptop | 4.00000 U.H. |
| | | | | | | PC Workstation | 2.00000 U.H. |
| | | | | | | Printer | 2.00000 U.H. |
| | | | | | | Scanner | 2.00000 U.H. |
| | | | | | | b) Jumlah | |
| | | | | | | Bahan | |
| | | | | | | ATK | 1.00000 Set |
| | | | | | | c) Jumlah | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | |
| A.4.4. | Pembentukan DTM | A.4.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | |
| | | | | | | Ketua Tim | 0.08333 O.H |
| | | | | | | Staf Administrasi | 0.08333 O.H |

| | | | | | | |
|----------|-----------------------------|----------|-----|--|---------|------|
| | | | | Koordinator Pembentukan DTM | 0.16667 | O.H |
| | | | | Operator Pembentukan DTM | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H. |
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Printer | 1.00000 | U.H. |
| | | | | Scanner | 1.00000 | U.H. |
| | | | | Software GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.4.2. | Pembentukan dan Editing DTM | File DTM | NLP | Personil | | |
| | | | | Ketua Tim | 0.33333 | O.H |
| | | | | Staf Administrasi | 0.33333 | O.H |
| | | | | Koordinator Pembentukan DTM | 0.66667 | O.H |
| | | | | Operator Pembentukan DTM | 4.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.66667 | U.H. |
| | | | | PC Workstation | 4.66667 | U.H. |
| | | | | Software GIS | 4.66667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

| | | | | | | | | |
|--------|-----------------------------------|----------|-----------------------------|------------------------------------|---------|---|---------|------|
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.4.3. | Pelaporan | Laporan Pembentukan DTM | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.5. | Pembentukan Kontur dan Spotheight | A.4.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.16667 | O.H |
| | | | | | | Operator GIS | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |

| | | | | | | |
|----------|--|-------------------------------|-----|--|---------|------|
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Printer | 1.00000 | U.H. |
| | | | | Scanner | 1.00000 | U.H. |
| | | | | Software GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.5.2. | Pembentukan dan Editing Kontur (Topografi Wilayah : Landai) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | Ketua Tim | 0.50000 | O.H |
| | | | | Staf Administrasi | 0.50000 | O.H |
| | | | | Koordinator Pembentukan Kontur dan Spothight | 1.00000 | O.H |
| | | | | Operator GIS | 6.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 1.00000 | U.H. |
| | | | | PC Workstation | 7.00000 | U.H. |
| | | | | Software GIS | 7.00000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | Pembentukan dan Editing Kontur | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | Ketua Tim | 0.66667 | O.H |
| | | | | Staf Administrasi | 0.66667 | O.H |

| | | | | | | |
|----------|------------------------|-----------------------------------|-----|--|---------|------|
| | | (Topografi Wilayah : Terjal) | | Koordinator Pembentukan Kontur dan Spotheight | 1.33333 | O.H |
| | | | | Operator GIS | 8.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 1.33333 | U.H. |
| | | | | PC Workstation | 9.33333 | U.H. |
| | | | | Software GIS | 9.33333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.5.3. | Pembentukan Spotheight | Geodatabase Spotheight hipsografi | NLP | Personil | | |
| | | | | Ketua Tim | 0.16667 | O.H |
| | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | Koordinator Pembentukan Kontur dan Spotheight | 0.33333 | O.H |
| | | | | Operator GIS | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.33333 | U.H. |
| | | | | PC Workstation | 2.33333 | U.H. |
| | | | | Software GIS | 2.33333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |

| | | | | | | |
|----------|------------|-------------|---------|---|---------|------|
| | | | | Alat | | |
| | | | | Laptop | 1.33333 | U.H |
| | | | | Plotter | 1.00000 | U.H |
| | | | | Printer | 1.00000 | U.H |
| | | | | Scanner | 1.00000 | U.H. |
| | | | | Software GIS | 1.16667 | U.H |
| | | | | a) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.2. | Mobilisasi | | NLP | Personil | | |
| | | | | Ketua Tim | 1.00000 | O.H |
| | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Mobil | 2.00000 | U.H |
| | | | | Tiket Transportasi | 4.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.3. | Koordinasi | Ijin Survei | Dokumen | Personil | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|-------------------------|-----|---|-----------------|---------|-----|-------------------|---------|-----|---|---------|-----|---|---------|-----|--------------------------------------|---------|-----|------------------|--|--|-------------|---------|-----|--------|---------|-----|--------------------|---------|-----|---------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| | | dengan Instansi Terkait | | <table border="1"> <tr> <td>Ketua Tim</td> <td>0.41667</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.41667</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survei Kelengkapan Lapangan</td> <td>0.83333</td> <td>O.H</td> </tr> <tr> <td>Operator Survei Kelengkapan Lapangan</td> <td>5.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Akomodasi</td> <td>6.66667</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>6.25000</td> <td>U.H</td> </tr> <tr> <td>Mobil</td> <td>5.00000</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>5.00000</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Ketua Tim | 0.41667 | O.H | Staf Administrasi | 0.41667 | O.H | Koordinator Survei Kelengkapan Lapangan | 0.83333 | O.H | Operator Survei Kelengkapan Lapangan | 5.00000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 6.66667 | U.H | Laptop | 6.25000 | U.H | Mobil | 5.00000 | U.H | Printer | 5.00000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Ketua Tim | 0.41667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.41667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survei Kelengkapan Lapangan | 0.83333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 5.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 6.66667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 6.25000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 5.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 5.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.6.4. | Demobilisasi | | NLP | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survei Kelengkapan Lapangan</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td>Operator Survei Kelengkapan Lapangan</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Mobil</td> <td>2.00000</td> <td>U.H</td> </tr> <tr> <td>Tiket Transportasi</td> <td>4.00000</td> <td>U.H</td> </tr> </table> | Personil | | | Ketua Tim | 1.00000 | O.H | Staf Administrasi | 1.00000 | O.H | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H | a) Jumlah | | | Alat | | | Mobil | 2.00000 | U.H | Tiket Transportasi | 4.00000 | U.H | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 2.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tiket Transportasi | 4.00000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|-----------------------------|---------|---|---------|------|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.5. | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | Dokumen | Personil | | |
| | | | | Ketua Tim | 0.16667 | O.H |
| | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |
| | | | | Operator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.33333 | U.H. |
| | | | | PC Workstation | 2.33333 | U.H. |
| | | | | Software GIS | 2.33333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | Peta Manuskrip | Dokumen | Personil | | |
| | | | | Ketua Tim | 0.04167 | O.H |
| | | | | Staf Administrasi | 0.04167 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H |

| | | | | | | |
|----------|--|----------------|---------|--|---------|-----------|
| | | | | Operator Survei Kelengkapan Lapangan | 0.50000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.08333 | U.H. |
| | | | | PC Workstation | 0.58333 | U.H. |
| | | | | Plotter | 0.50000 | U.H |
| | | | | Software GIS | 0.58333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | ATK | 1.00000 | set |
| | | | | Tinta Plotter | 0.00020 | paket |
| | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek sedang) | Peta Manuskrip | Dokumen | Personil | | |
| | | | | Ketua Tim | 0.05417 | O.H |
| | | | | Staf Administrasi | 0.05417 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.10833 | O.H |
| | | | | Operator Survei Kelengkapan Lapangan | 0.65000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.10833 | U.H. |
| | | | | PC Workstation | 0.75833 | U.H. |
| | | | | Plotter | 0.65000 | U.H |
| | | | | Software GIS | 0.75833 | U.H. |

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|--|---|----------------|---------|---|------------------|--|--|--------------|---------|-----|-------------------|---------|-----|---|---------|-------|--------------------------------------|---------|-----------|------------------|--|--|--|--|--|--------|---------|------|----------------|---------|------|---------|---------|-----|--------------|---------|------|------------------|--|--|--------------|--|--|-----|---------|-----|---------------|---------|-------|-------------|---------|-----------|------------------|--|--|--|--|--|
| | | | | <table border="1"> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>set</td> </tr> <tr> <td>Tinta Plotter</td> <td>0.00020</td> <td>paket</td> </tr> <tr> <td>Kertas Peta</td> <td>2.00000</td> <td>lembar A0</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | b) Jumlah | | | Bahan | | | ATK | 1.00000 | set | Tinta Plotter | 0.00020 | paket | Kertas Peta | 2.00000 | lembar A0 | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 2.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.6.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | Dokumen | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.07000</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.07000</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.14000</td> <td>O.H</td> </tr> <tr> <td>Operator Survei Kelengkapan Lapangan</td> <td>0.84000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Laptop</td> <td>0.14000</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>0.98000</td> <td>U.H.</td> </tr> <tr> <td>Plotter</td> <td>0.84000</td> <td>U.H</td> </tr> <tr> <td>Software GIS</td> <td>0.98000</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td>ATK</td> <td>1.00000</td> <td>set</td> </tr> <tr> <td>Tinta Plotter</td> <td>0.00020</td> <td>paket</td> </tr> <tr> <td>Kertas Peta</td> <td>2.00000</td> <td>lembar A0</td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Personil | | | Ketua Tim | 0.07000 | O.H | Staf Administrasi | 0.07000 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.14000 | O.H | Operator Survei Kelengkapan Lapangan | 0.84000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.14000 | U.H. | PC Workstation | 0.98000 | U.H. | Plotter | 0.84000 | U.H | Software GIS | 0.98000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | set | Tinta Plotter | 0.00020 | paket | Kertas Peta | 2.00000 | lembar A0 | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.07000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.07000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.14000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Survei Kelengkapan Lapangan | 0.84000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.14000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.98000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.84000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.98000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 2.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--------------------------------|----------------------|---------|--|---------|------|
| A.4.6.7. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Dokumen | Personil | | |
| | | | | Ketua Tim | 0.08333 | O.H |
| | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | Operator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H. |
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Software GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.6.8. | Pencetakan Formulir | Formulir | Dokumen | Personil | | |
| | | | | Ketua Tim | 0.00139 | O.H |
| | | | | Staf Administrasi | 0.00139 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.00278 | O.H |
| | | | | Operator Survei Kelengkapan Lapangan | 0.01667 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.00278 | U.H. |
| | | | | PC Workstation | 0.01944 | U.H. |

| | | | | | | | |
|--------|-----------------------------|----------|-----------------------------|-------------------------------------|--|-----------------|------|
| | | | | | Printer | 0.00000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.6.9. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | |
| | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | Koordinator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | Laptop | 4.00000 | U.H. |
| | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | Printer | 2.00000 | U.H. |
| | | | | | Scanner | 2.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7. | Survey Kelengkapan Lapangan | A.4.7.1. | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | Dokumen | Personil | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |

| | | | | | | |
|----------|------------|--------------------------|--|--|---------|------|
| | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | Operator Survey Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | GPS Geodetik dan Kelengkapannya | 2.00000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.00000 | U.H |
| | | | | Kamera Digital | 1.00000 | U.H |
| | | | | Laptop | 2.33333 | U.H |
| | | | | Printer | 1.00000 | U.H. |
| | | | | Scanner | 1.00000 | U.H |
| | | | | Software GIS | 1.16667 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.2. | Mobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | |
| | | | | Ketua Tim | 1.00000 | O.H |
| | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | Operator Survey Kelengkapan | 1.00000 | O.H |

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|----------|--|------------------------------|-----|--|---------|-----|
| | | | | Lapangan | | |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Mobil | 2.00000 | U.H |
| | | | | Tiket Transportasi | 6.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.11667 | O.H |
| | | | | Staf Administrasi | 0.11667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.23333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.40000 | O.H |
| | | | | Buruh Lokal | 2.80000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.86667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.40000 | U.H |
| | | | | Kamera Digital | 1.40000 | U.H |
| | | | | Laptop | 1.86667 | U.H |
| | | | | Mobil | 1.40000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |

| | | | | | | |
|----------|--|------------------------------|-----|---|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.13333 | O.H |
| | | | | Staf Administrasi | 0.13333 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.26667 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.60000 | O.H |
| | | | | Buruh Lokal | 3.20000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.13333 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.60000 | U.H |
| | | | | Kamera Digital | 1.60000 | U.H |
| | | | | Laptop | 2.13333 | U.H |
| | | | | Mobil | 1.60000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.15000 | O.H |
| | | | | Staf Administrasi | 0.15000 | O.H |
| | | | | Koordinator Survey Kelengkapan | 0.30000 | O.H |

| | | | | | | | |
|--|----------|--|------------------------------|-----|--|---------|-----|
| | | aksesibilitas berat, kepadatan objek padat, cuaca baik) | | | Lapangan | | |
| | | | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 2.40000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | | Kamera Digital | 1.80000 | U.H |
| | | | | | Kapal | 1.80000 | U.H |
| | | | | | Laptop | 2.40000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | Ketua Tim | 0.15833 | O.H |
| | | | | | Staf Administrasi | 0.15833 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.31667 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 1.90000 | O.H |
| | | | | | Buruh Lokal | 3.80000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 2.53333 | U.H |

| | | | | | | |
|----------|---|------------------------------|-----|--|---------|-----|
| | | | | GPS Mapping dan Kelengkapannya | 1.90000 | U.H |
| | | | | Kamera Digital | 1.90000 | U.H |
| | | | | Laptop | 2.53333 | U.H |
| | | | | Mobil | 1.90000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.15167 | O.H |
| | | | | Staf Administrasi | 0.15167 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.30333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.82000 | O.H |
| | | | | Buruh Lokal | 3.64000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.42667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.82000 | U.H |
| | | | | Kamera Digital | 1.82000 | U.H |
| | | | | Laptop | 2.42667 | U.H |
| | | | | Mobil | 1.82000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |

| | | | | | | |
|----------|---|------------------------------|-----|--|---------|-----|
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.17333 | O.H |
| | | | | Staf Administrasi | 0.17333 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.34667 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 2.08000 | O.H |
| | | | | Buruh Lokal | 4.16000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.77333 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 2.08000 | U.H |
| | | | | Kamera Digital | 2.08000 | U.H |
| | | | | Laptop | 2.77333 | U.H |
| | | | | Mobil | 2.08000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.19500 | O.H |
| | | | | Staf Administrasi | 0.19500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H |
| | | | | Surveyor | 2.34000 | O.H |

| | | | | | | |
|----------|---|------------------------------|-----|--|---------|-----|
| | kepadatan objek padat, cuaca buruk) | | | Kelengkapan Lapangan | | |
| | | | | Buruh Lokal | 4.68000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 3.12000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 2.34000 | U.H |
| | | | | Kamera Digital | 2.34000 | U.H |
| | | | | Kapal | 2.34000 | U.H |
| | | | | Laptop | 3.12000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.20583 | O.H |
| | | | | Staf Administrasi | 0.20583 | O.H |
| | | | | Koordinator Survey | 0.41167 | O.H |
| | | | | Kelengkapan Lapangan | | |
| | | | | Surveyor | 2.47000 | O.H |
| | | | | Kelengkapan Lapangan | | |
| | | | | Buruh Lokal | 4.94000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 3.29333 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 2.47000 | U.H |
| | | | | Kamera Digital | 2.47000 | U.H |

| | | | | | | |
|----------|---|------------------------------|-----|--|---------|-----|
| | | | | Laptop | 3.29333 | U.H |
| | | | | Mobil | 2.47000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.06667 | O.H |
| | | | | Staf Administrasi | 0.06667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.13333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 0.80000 | O.H |
| | | | | Buruh Lokal | 1.60000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.06667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.80000 | U.H |
| | | | | Kamera Digital | 0.80000 | U.H |
| | | | | Laptop | 1.06667 | U.H |
| | | | | Mobil | 0.80000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi | Unsur | NLP | Personil | | |

| | | | | | | | |
|----------|--|--|------------------------------|-----|--|---------|-----|
| | | Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Rupabumi terverifikasi | | Ketua Tim | 0.06667 | O.H |
| | | | | | Staf Administrasi | 0.06667 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.13333 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 0.80000 | O.H |
| | | | | | Buruh Lokal | 1.60000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 1.06667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.80000 | U.H |
| | | | | | Kamera Digital | 0.80000 | U.H |
| | | | | | Laptop | 1.06667 | U.H |
| | | | | | Mobil | 0.80000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | Ketua Tim | 0.10000 | O.H |
| | | | | | Staf Administrasi | 0.10000 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.20000 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | | Buruh Lokal | 2.40000 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------------|-----|---|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|-------|---------|-----|--------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|
| | | | | <table border="1"> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>1.60000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Kapal</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>1.60000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.10833</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.10833</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.21667</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>1.30000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>2.60000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>1.73333</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>1.30000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>1.30000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>1.73333</td><td>U.H</td></tr> <tr><td>Mobil</td><td>1.30000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> </table> | a) Jumlah | | | Alat | | | Akomodasi | 1.60000 | U.H | GPS Mapping dan Kelengkapannya | 1.20000 | U.H | Kamera Digital | 1.20000 | U.H | Kapal | 1.20000 | U.H | Laptop | 1.60000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 0.10833 | O.H | Staf Administrasi | 0.10833 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H | Surveyor Kelengkapan Lapangan | 1.30000 | O.H | Buruh Lokal | 2.60000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 1.73333 | U.H | GPS Mapping dan Kelengkapannya | 1.30000 | U.H | Kamera Digital | 1.30000 | U.H | Laptop | 1.73333 | U.H | Mobil | 1.30000 | U.H | b) Jumlah | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kapal | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 1.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.10833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.10833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 1.30000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 2.60000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.73333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 1.73333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | <table border="1"> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>1.60000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Kapal</td><td>1.20000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>1.60000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.10833</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.10833</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.21667</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>1.30000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>2.60000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>1.73333</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>1.30000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>1.30000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>1.73333</td><td>U.H</td></tr> <tr><td>Mobil</td><td>1.30000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> </table> | a) Jumlah | | | Alat | | | Akomodasi | 1.60000 | U.H | GPS Mapping dan Kelengkapannya | 1.20000 | U.H | Kamera Digital | 1.20000 | U.H | Kapal | 1.20000 | U.H | Laptop | 1.60000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | Personil | | | Ketua Tim | 0.10833 | O.H | Staf Administrasi | 0.10833 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H | Surveyor Kelengkapan Lapangan | 1.30000 | O.H | Buruh Lokal | 2.60000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 1.73333 | U.H | GPS Mapping dan Kelengkapannya | 1.30000 | U.H | Kamera Digital | 1.30000 | U.H | Laptop | 1.73333 | U.H | Mobil | 1.30000 | U.H | b) Jumlah | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kapal | 1.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 1.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.10833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.10833 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 1.30000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 2.60000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 1.73333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 1.73333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 1.30000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|------------------------------|-----|---|---------|-----|
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.08667 | O.H |
| | | | | Staf Administrasi | 0.08667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.17333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.04000 | O.H |
| | | | | Buruh Lokal | 2.08000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.38667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.04000 | U.H |
| | | | | Kamera Digital | 1.04000 | U.H |
| | | | | Laptop | 1.38667 | U.H |
| | | | | Mobil | 1.04000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.08667 | O.H |
| | | | | Staf Administrasi | 0.08667 | O.H |

| | | | | | | | |
|----------|---|--|-----|--|--|---------|-----|
| | | (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | | | Koordinator Survey Lapangan | 0.17333 | O.H |
| | | | | | Surveyor Lapangan | 1.04000 | O.H |
| | | | | | Buruh Lokal | 2.08000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 1.38667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 1.04000 | U.H |
| | | | | | Kamera Digital | 1.04000 | U.H |
| | | | | | Laptop | 1.38667 | U.H |
| | | | | | Mobil | 1.04000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.13000 | O.H |
| | | | | | Staf Administrasi | 0.13000 | O.H |
| | | | | | Koordinator Survey Lapangan | 0.26000 | O.H |
| | | | | | Surveyor Lapangan | 1.56000 | O.H |
| | | | | | Buruh Lokal | 3.12000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |

| | | | | | | |
|----------|---|------------------------------|-----|---|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.01667 | O.H |
| | | | | Staf Administrasi | 0.01667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.03333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 0.20000 | O.H |
| | | | | Buruh Lokal | 0.40000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 0.26667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.20000 | U.H |
| | | | | Kamera Digital | 0.20000 | U.H |
| | | | | Laptop | 0.26667 | U.H |
| | | | | Mobil | 0.20000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.01667 | O.H |
| | | | | Staf Administrasi | 0.01667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.03333 | O.H |

| | | | | | | | |
|----------|--|---|-----|--|--|---------|-----|
| | | sedang, kepadatan objek jarang, cuaca baik) | | | Surveyor Kelengkapan Lapangan | 0.20000 | O.H |
| | | | | | Buruh Lokal | 0.40000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.26667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.20000 | U.H |
| | | | | | Kamera Digital | 0.20000 | U.H |
| | | | | | Laptop | 0.26667 | U.H |
| | | | | | Mobil | 0.20000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.03333 | O.H |
| | | | | | Staf Administrasi | 0.03333 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.06667 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 0.40000 | O.H |
| | | | | | Buruh Lokal | 0.80000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.53333 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.40000 | U.H |

| | | | | | | |
|----------|---|------------------------------|-----|--|---------|-----|
| | | | | Kamera Digital | 0.40000 | U.H |
| | | | | Kapal | 0.40000 | U.H |
| | | | | Laptop | 0.53333 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.05000 | O.H |
| | | | | Staf Administrasi | 0.05000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.10000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 0.60000 | O.H |
| | | | | Buruh Lokal | 1.20000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 0.80000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.60000 | U.H |
| | | | | Kamera Digital | 0.60000 | U.H |
| | | | | Laptop | 0.80000 | U.H |
| | | | | Mobil | 0.60000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|--|------------------------------|-----|--|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| | A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.02167</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.02167</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.04333</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>0.26000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>0.52000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>0.34667</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>0.26000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>0.26000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>0.34667</td><td>U.H</td></tr> <tr><td>Mobil</td><td>0.26000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 0.02167 | O.H | Staf Administrasi | 0.02167 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H | Surveyor Kelengkapan Lapangan | 0.26000 | O.H | Buruh Lokal | 0.52000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 0.34667 | U.H | GPS Mapping dan Kelengkapannya | 0.26000 | U.H | Kamera Digital | 0.26000 | U.H | Laptop | 0.34667 | U.H | Mobil | 0.26000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.02167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.02167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 0.26000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 0.52000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 0.34667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 0.26000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.26000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.34667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 0.26000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, | Unsur Rupabumi terverifikasi | NLP | | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.02167</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.02167</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.04333</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>0.26000</td><td>O.H</td></tr> </table> | Personil | | | Ketua Tim | 0.02167 | O.H | Staf Administrasi | 0.02167 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H | Surveyor Kelengkapan Lapangan | 0.26000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.02167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.02167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.04333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 0.26000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|----------|---|------------------------------|-----|--|--|---------|-----|
| | | cuaca buruk) | | | Buruh Lokal | 0.52000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.34667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.26000 | U.H |
| | | | | | Kamera Digital | 0.26000 | U.H |
| | | | | | Laptop | 0.34667 | U.H |
| | | | | | Mobil | 0.26000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.04333 | O.H |
| | | | | | Staf Administrasi | 0.04333 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.08667 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 0.52000 | O.H |
| | | | | | Buruh Lokal | 1.04000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.69333 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.52000 | U.H |
| | | | | | Kamera Digital | 0.52000 | U.H |
| | | | | | Kapal | 0.52000 | U.H |
| | | | | | Laptop | 0.69333 | U.H |

| | | | | | | |
|----------|--|------------------------------|-----|--|---------|-----|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | Ketua Tim | 0.06500 | O.H |
| | | | | Staf Administrasi | 0.06500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.13000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 0.78000 | O.H |
| | | | | Buruh Lokal | 1.56000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.04000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.78000 | U.H |
| | | | | Kamera Digital | 0.78000 | U.H |
| | | | | Laptop | 1.04000 | U.H |
| | | | | Mobil | 0.78000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.08333 | O.H |
| | | | | Staf Administrasi | 0.08333 | O.H |

| | | | | | | | |
|----------|---|--|-----|--|--|---------|-----|
| | | kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 1.33333 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 1.00000 | U.H |
| | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | Laptop | 1.33333 | U.H |
| | | | | | Mobil | 1.00000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.16667 | O.H |
| | | | | | Staf Administrasi | 0.16667 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | Buruh Lokal | 4.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |

| | | | | | | |
|----------|--|-------------------------|-----|--|---------|-----|
| | | | | Akomodasi | 2.66667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 2.00000 | U.H |
| | | | | Kamera Digital | 2.00000 | U.H |
| | | | | Laptop | 2.66667 | U.H |
| | | | | Mobil | 2.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.25000 | O.H |
| | | | | Staf Administrasi | 0.25000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.50000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 3.00000 | O.H |
| | | | | Buruh Lokal | 6.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 4.00000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 3.00000 | U.H |
| | | | | Kamera Digital | 3.00000 | U.H |
| | | | | Kapal | 3.00000 | U.H |
| | | | | Laptop | 4.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

| | | | | | | |
|----------|---|-------------------------|-----|---|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.33333 | O.H |
| | | | | Staf Administrasi | 0.33333 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.66667 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 4.00000 | O.H |
| | | | | Buruh Lokal | 8.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 5.33333 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 4.00000 | U.H |
| | | | | Kamera Digital | 4.00000 | U.H |
| | | | | Laptop | 5.33333 | U.H |
| | | | | Mobil | 4.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.10833 | O.H |
| | | | | Staf Administrasi | 0.10833 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H |

| | | | | | | | | |
|--|--|--|--|-------------------------------------|----------|--|---------|-----|
| | | | | kepadatan objek padat, cuaca buruk) | | Surveyor Kelengkapan Lapangan | 1.30000 | O.H |
| | | | | | | Buruh Lokal | 2.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.73333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.30000 | U.H |
| | | | | | | Kamera Digital | 1.30000 | U.H |
| | | | | | | Laptop | 1.73333 | U.H |
| | | | | | | Mobil | 1.30000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | | |
| | | | | | | Batas Wilayah Indikatif | | |
| | | | | | | NLP | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.21667 | O.H |
| | | | | | | Staf Administrasi | 0.21667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.43333 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 2.60000 | O.H |
| | | | | | | Buruh Lokal | 5.20000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.46667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 2.60000 | U.H |

| | | | | | | |
|----------|---|-------------------------|-----|--|---------|-----|
| | | | | Kamera Digital | 2.60000 | U.H |
| | | | | Laptop | 3.46667 | U.H |
| | | | | Mobil | 2.60000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.32500 | O.H |
| | | | | Staf Administrasi | 0.32500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.65000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 3.90000 | O.H |
| | | | | Buruh Lokal | 7.80000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 5.20000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 3.90000 | U.H |
| | | | | Kamera Digital | 3.90000 | U.H |
| | | | | Kapal | 3.90000 | U.H |
| | | | | Laptop | 5.20000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|----------|--|-------------------------|-----|---|----------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|---------|-----|-------------|----------|-----|------------------|--|--|------|--|--|-----------|---------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|-------|--|--|--|--|--|------------------|--|--|--|--|--|
| | | A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.43333</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.43333</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.86667</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>5.20000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>10.40000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>6.93333</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>5.20000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>5.20000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>6.93333</td><td>U.H</td></tr> <tr><td>Mobil</td><td>5.20000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 0.43333 | O.H | Staf Administrasi | 0.43333 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.86667 | O.H | Surveyor Kelengkapan Lapangan | 5.20000 | O.H | Buruh Lokal | 10.40000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 6.93333 | U.H | GPS Mapping dan Kelengkapannya | 5.20000 | U.H | Kamera Digital | 5.20000 | U.H | Laptop | 6.93333 | U.H | Mobil | 5.20000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.43333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.43333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.86667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 5.20000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 10.40000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 6.93333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 5.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 5.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 6.93333 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 5.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.04167</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.04167</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>0.50000</td><td>O.H</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 0.04167 | O.H | Staf Administrasi | 0.04167 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H | Surveyor Kelengkapan Lapangan | 0.50000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.04167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.04167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 0.50000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--|-------------------------|-----|--|--|---------|-----|
| | | | | | Buruh Lokal | 1.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.66667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 0.50000 | U.H |
| | | | | | Kamera Digital | 0.50000 | U.H |
| | | | | | Laptop | 0.66667 | U.H |
| | | | | | Mobil | 0.50000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 1.33333 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 1.00000 | U.H |
| | | | | | Kamera Digital | 1.00000 | U.H |
| | | | | | Laptop | 1.33333 | U.H |
| | | | | | Mobil | 1.00000 | U.H |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | | | | |

| | | | | | | |
|----------|---|-------------------------|-----|--|---------|-----|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.12500 | O.H |
| | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.25000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.50000 | O.H |
| | | | | Buruh Lokal | 3.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.00000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.50000 | U.H |
| | | | | Kamera Digital | 1.50000 | U.H |
| | | | | Kapal | 1.50000 | U.H |
| | | | | Laptop | 2.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.16667 | O.H |
| | | | | Staf Administrasi | 0.16667 | O.H |

| | | | | | | | | |
|--|----------|---|---|-----|--|--|---------|-----|
| | | | kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 0.33333 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | | | Buruh Lokal | 4.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 2.00000 | U.H |
| | | | | | | Kamera Digital | 2.00000 | U.H |
| | | | | | | Laptop | 2.66667 | U.H |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | | Personil | | |
| | | | | | | Ketua Tim | 0.05417 | O.H |
| | | | | | | Staf Administrasi | 0.05417 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.10833 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 0.65000 | O.H |
| | | | | | | Buruh Lokal | 1.30000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| | | | | | | |
|----------|---|-------------------------|-----|--|---------|-----|
| | | | | Akomodasi | 0.86667 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 0.65000 | U.H |
| | | | | Kamera Digital | 0.65000 | U.H |
| | | | | Laptop | 0.86667 | U.H |
| | | | | Mobil | 0.65000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.10833 | O.H |
| | | | | Staf Administrasi | 0.10833 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.21667 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.30000 | O.H |
| | | | | Buruh Lokal | 2.60000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.73333 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.30000 | U.H |
| | | | | Kamera Digital | 1.30000 | U.H |
| | | | | Laptop | 1.73333 | U.H |
| | | | | Mobil | 1.30000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

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|----------|--|-------------------------|-----|--|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.16250 | O.H |
| | | | | Staf Administrasi | 0.16250 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.32500 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.95000 | O.H |
| | | | | Buruh Lokal | 3.90000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.60000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.95000 | U.H |
| | | | | Kamera Digital | 1.95000 | U.H |
| | | | | Kapal | 1.95000 | U.H |
| | | | | Laptop | 2.60000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | Ketua Tim | 0.21667 | O.H |
| | | | | Staf Administrasi | 0.21667 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.43333 | O.H |

| | | | | | | | |
|----------|--|-------------------------------|--------------------------------------|--|--|----------|-----|
| | | | kepadatan objek jarang, cuaca buruk) | | Surveyor Kelengkapan Lapangan | 2.60000 | O.H |
| | | | | | Buruh Lokal | 5.20000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 3.46667 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 2.60000 | U.H |
| | | | | | Kamera Digital | 2.60000 | U.H |
| | | | | | Laptop | 3.46667 | U.H |
| | | | | | Mobil | 2.60000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 1.05000 | O.H |
| | | | | | Staf Administrasi | 1.05000 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 2.10000 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 12.60000 | O.H |
| | | | | | Buruh Lokal | 25.20000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 16.80000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 12.60000 | U.H |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

| | | | | | | |
|----------|--|-------------------------------|-----|--|----------|-----|
| | | | | Kamera Digital | 12.60000 | U.H |
| | | | | Laptop | 16.80000 | U.H |
| | | | | Mobil | 12.60000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 1.20000 | O.H |
| | | | | Staf Administrasi | 1.20000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 2.40000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 14.40000 | O.H |
| | | | | Buruh Lokal | 28.80000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 19.20000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 14.40000 | U.H |
| | | | | Kamera Digital | 14.40000 | U.H |
| | | | | Laptop | 19.20000 | U.H |
| | | | | Mobil | 14.40000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|-----|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|----------|-----|-------------|----------|-----|------------------|--|--|-------------|--|--|-----------|----------|-----|--------------------------------|----------|-----|----------------|----------|-----|-------|----------|-----|--------|----------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>1.35000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>1.35000</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>2.70000</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>16.20000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>32.40000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>21.60000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>16.20000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>16.20000</td><td>U.H</td></tr> <tr><td>Kapal</td><td>16.20000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>21.60000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 1.35000 | O.H | Staf Administrasi | 1.35000 | O.H | Koordinator Survey Kelengkapan Lapangan | 2.70000 | O.H | Surveyor Kelengkapan Lapangan | 16.20000 | O.H | Buruh Lokal | 32.40000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 21.60000 | U.H | GPS Mapping dan Kelengkapannya | 16.20000 | U.H | Kamera Digital | 16.20000 | U.H | Kapal | 16.20000 | U.H | Laptop | 21.60000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.35000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.35000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 2.70000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 16.20000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 32.40000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 21.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 16.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 16.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kapal | 16.20000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 21.60000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, | Nama Unsur Rupabumi Terkumpul | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>1.42500</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>1.42500</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>2.85000</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>17.10000</td><td>O.H</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 1.42500 | O.H | Staf Administrasi | 1.42500 | O.H | Koordinator Survey Kelengkapan Lapangan | 2.85000 | O.H | Surveyor Kelengkapan Lapangan | 17.10000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.42500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.42500 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 2.85000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 17.10000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|---|-------------------------------|-----|--|--|----------|-----|
| | | | | | Buruh Lokal | 34.20000 | O.H |
| | | cuaca baik) | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 22.80000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 17.10000 | U.H |
| | | | | | Kamera Digital | 17.10000 | U.H |
| | | | | | Laptop | 22.80000 | U.H |
| | | | | | Mobil | 17.10000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 1.36500 | O.H |
| | | | | | Staf Administrasi | 1.36500 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 2.73000 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 16.38000 | O.H |
| | | | | | Buruh Lokal | 32.76000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 21.84000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 16.38000 | U.H |
| | | | | | Kamera Digital | 16.38000 | U.H |
| | | | | | Laptop | 21.84000 | U.H |
| | | | | | Mobil | 16.38000 | U.H |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

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|----------|---|-------------------------------|-----|--|----------|-----|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 1.56000 | O.H |
| | | | | Staf Administrasi | 1.56000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 3.12000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 18.72000 | O.H |
| | | | | Buruh Lokal | 37.44000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 24.96000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 18.72000 | U.H |
| | | | | Kamera Digital | 18.72000 | U.H |
| | | | | Laptop | 24.96000 | U.H |
| | | | | Mobil | 18.72000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 1.75500 | O.H |
| | | | | Staf Administrasi | 1.75500 | O.H |

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|----------|---|-------------------------------|--|--|--|----------|-----|
| | | | (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | | Koordinator Survey Kelengkapan Lapangan | 3.51000 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 21.06000 | O.H |
| | | | | | Buruh Lokal | 42.12000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 28.08000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 21.06000 | U.H |
| | | | | | Kamera Digital | 21.06000 | U.H |
| | | | | | Kapal | 21.06000 | U.H |
| | | | | | Laptop | 28.08000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | | Personil | | |
| | | | | | Ketua Tim | 1.85250 | O.H |
| | | | | | Staf Administrasi | 1.85250 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 3.70500 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 22.23000 | O.H |
| | | | | | Buruh Lokal | 44.46000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |

| | | | | | | |
|----------|---|-------------------------------|-----|--|----------|-----|
| | | | | Akomodasi | 29.64000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 22.23000 | U.H |
| | | | | Kamera Digital | 22.23000 | U.H |
| | | | | Laptop | 29.64000 | U.H |
| | | | | Mobil | 22.23000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.60000 | O.H |
| | | | | Staf Administrasi | 0.60000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 7.20000 | O.H |
| | | | | Buruh Lokal | 14.40000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 9.60000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 7.20000 | U.H |
| | | | | Kamera Digital | 7.20000 | U.H |
| | | | | Laptop | 9.60000 | U.H |
| | | | | Mobil | 7.20000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

| | | | | | | |
|----------|---|-------------------------------|-----|--|----------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.60000 | O.H |
| | | | | Staf Administrasi | 0.60000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 1.20000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 7.20000 | O.H |
| | | | | Buruh Lokal | 14.40000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 9.60000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 7.20000 | U.H |
| | | | | Kamera Digital | 7.20000 | U.H |
| | | | | Laptop | 9.60000 | U.H |
| | | | | Mobil | 7.20000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.90000 | O.H |
| | | | | Staf Administrasi | 0.90000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 1.80000 | O.H |

| | | | | | | | | |
|--|--|--|--|---|-------------------------------|--|----------|-----|
| | | | | berat, kepadatan objek sedang, cuaca baik) | | Surveyor Kelengkapan Lapangan | 10.80000 | O.H |
| | | | | | | Buruh Lokal | 21.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 14.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 10.80000 | U.H |
| | | | | | | Kamera Digital | 10.80000 | U.H |
| | | | | | | Kapal | 10.80000 | U.H |
| | | | | | | Laptop | 14.40000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | A.4.7.5. | Personil | | |
| | | | | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | Ketua Tim | 0.97500 | O.H |
| | | | | | | Staf Administrasi | 0.97500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.95000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 11.70000 | O.H |
| | | | | | | Buruh Lokal | 23.40000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 15.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 11.70000 | U.H |

| | | | | | | |
|----------|--|-------------------------------|-----|--|----------|-----|
| | | | | Kamera Digital | 11.70000 | U.H |
| | | | | Laptop | 15.60000 | U.H |
| | | | | Mobil | 11.70000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.78000 | O.H |
| | | | | Staf Administrasi | 0.78000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 9.36000 | O.H |
| | | | | Buruh Lokal | 18.72000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 12.48000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 9.36000 | U.H |
| | | | | Kamera Digital | 9.36000 | U.H |
| | | | | Laptop | 12.48000 | U.H |
| | | | | Mobil | 9.36000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|----------|--|-------------------------------|-----|--|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|---|---------|-----|-------------------------------|----------|-----|-------------|----------|-----|------------------|--|--|-------------|--|--|-----------|----------|-----|--------------------------------|---------|-----|----------------|---------|-----|--------|----------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| | | A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.78000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.78000</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>1.56000</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>9.36000</td><td>O.H</td></tr> <tr><td>Buruh Lokal</td><td>18.72000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Akomodasi</td><td>12.48000</td><td>U.H</td></tr> <tr><td>GPS Mapping dan Kelengkapannya</td><td>9.36000</td><td>U.H</td></tr> <tr><td>Kamera Digital</td><td>9.36000</td><td>U.H</td></tr> <tr><td>Laptop</td><td>12.48000</td><td>U.H</td></tr> <tr><td>Mobil</td><td>9.36000</td><td>U.H</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 0.78000 | O.H | Staf Administrasi | 0.78000 | O.H | Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H | Surveyor Kelengkapan Lapangan | 9.36000 | O.H | Buruh Lokal | 18.72000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 12.48000 | U.H | GPS Mapping dan Kelengkapannya | 9.36000 | U.H | Kamera Digital | 9.36000 | U.H | Laptop | 12.48000 | U.H | Mobil | 9.36000 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.78000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.78000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 1.56000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 9.36000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 18.72000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 12.48000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Mapping dan Kelengkapannya | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 12.48000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 9.36000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, | Nama Unsur Rupabumi Terkumpul | NLP | <table border="1"> <tbody> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>1.17000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>1.17000</td><td>O.H</td></tr> <tr><td>Koordinator Survey Kelengkapan Lapangan</td><td>2.34000</td><td>O.H</td></tr> <tr><td>Surveyor Kelengkapan Lapangan</td><td>14.04000</td><td>O.H</td></tr> </tbody> </table> | Personil | | | Ketua Tim | 1.17000 | O.H | Staf Administrasi | 1.17000 | O.H | Koordinator Survey Kelengkapan Lapangan | 2.34000 | O.H | Surveyor Kelengkapan Lapangan | 14.04000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 1.17000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 1.17000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 2.34000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan | 14.04000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | Buruh Lokal | 28.08000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 18.72000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 14.04000 | U.H |
| | | | | | Kamera Digital | 14.04000 | U.H |
| | | | | | Kapal | 14.04000 | U.H |
| | | | | | Laptop | 18.72000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 1.26750 | O.H |
| | | | | | Staf Administrasi | 1.26750 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 2.53500 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 15.21000 | O.H |
| | | | | | Buruh Lokal | 30.42000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 20.28000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 15.21000 | U.H |
| | | | | | Kamera Digital | 15.21000 | U.H |
| | | | | | Laptop | 20.28000 | U.H |
| | | | | | Mobil | 15.21000 | U.H |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | | | | |

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|----------|---|-------------------------------|-----|--|---------|-----|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.15000 | O.H |
| | | | | Staf Administrasi | 0.15000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.30000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.40000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | Kamera Digital | 1.80000 | U.H |
| | | | | Laptop | 2.40000 | U.H |
| | | | | Mobil | 1.80000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.15000 | O.H |
| | | | | Staf Administrasi | 0.15000 | O.H |

| | | | | | | | | |
|----------|--|-------------------------------|---|--|--|--|---------|-----|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 0.30000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 3.60000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1.80000 | U.H |
| | | | | | | Laptop | 2.40000 | U.H |
| | | | | | | Mobil | 1.80000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | Personil | | |
| | | | | | | Ketua Tim | 0.30000 | O.H |
| | | | | | | Staf Administrasi | 0.30000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.60000 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan | 3.60000 | O.H |
| | | | | | | Buruh Lokal | 7.20000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | | | | | |

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|----------|---|-------------------------------|-----|--|----------|-----|
| | | | | Akomodasi | 4.80000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 3.60000 | U.H |
| | | | | Kamera Digital | 3.60000 | U.H |
| | | | | Kapal | 3.60000 | U.H |
| | | | | Laptop | 4.80000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.45000 | O.H |
| | | | | Staf Administrasi | 0.45000 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.90000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 5.40000 | O.H |
| | | | | Buruh Lokal | 10.80000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 7.20000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 5.40000 | U.H |
| | | | | Kamera Digital | 5.40000 | U.H |
| | | | | Laptop | 7.20000 | U.H |
| | | | | Mobil | 5.40000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

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|----------|--|-------------------------------|-----|--|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.19500 | O.H |
| | | | | Staf Administrasi | 0.19500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 2.34000 | O.H |
| | | | | Buruh Lokal | 4.68000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 3.12000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 2.34000 | U.H |
| | | | | Kamera Digital | 2.34000 | U.H |
| | | | | Laptop | 3.12000 | U.H |
| | | | | Mobil | 2.34000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.19500 | O.H |
| | | | | Staf Administrasi | 0.19500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.39000 | O.H |

| | | | | | | | |
|----------|---|-------------------------------|--|--|--|---------|-----|
| | | | sedang, kepadatan objek jarang, cuaca buruk) | | Surveyor Kelengkapan Lapangan | 2.34000 | O.H |
| | | | | | Buruh Lokal | 4.68000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 3.12000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 2.34000 | U.H |
| | | | | | Kamera Digital | 2.34000 | U.H |
| | | | | | Laptop | 3.12000 | U.H |
| | | | | | Mobil | 2.34000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | | Personil | | |
| | | | | | Ketua Tim | 0.39000 | O.H |
| | | | | | Staf Administrasi | 0.39000 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.78000 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan | 4.68000 | O.H |
| | | | | | Buruh Lokal | 9.36000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 6.24000 | U.H |
| | | | | | GPS Mapping dan Kelengkapannya | 4.68000 | U.H |

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|----------|--|-------------------------------|-----|--|----------|-----|
| | | | | Kamera Digital | 4.68000 | U.H |
| | | | | Kapal | 4.68000 | U.H |
| | | | | Laptop | 6.24000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | Ketua Tim | 0.58500 | O.H |
| | | | | Staf Administrasi | 0.58500 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 1.17000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 7.02000 | O.H |
| | | | | Buruh Lokal | 14.04000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 9.36000 | U.H |
| | | | | GPS Mapping dan Kelengkapannya | 7.02000 | U.H |
| | | | | Kamera Digital | 7.02000 | U.H |
| | | | | Laptop | 9.36000 | U.H |
| | | | | Mobil | 7.02000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | |
|--|--|----------|---|-------------------|-------|---|---------|-----|
| | | A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.01389 | O.H |
| | | | | | | Staf Administrasi | 0.01389 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.02778 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan (Base) | 0.01389 | O.H |
| | | | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.16667 | O.H |
| | | | | | | Buruh Lokal | 0.33333 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.23611 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.01389 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.16667 | U.H |
| | | | | | | Kamera Digital | 0.18056 | U.H |
| | | | | | | Laptop | 0.23611 | U.H |
| | | | | | | Mobil | 0.33333 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.7.6. | Uji Akurasi (dengan | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.02083 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|---|-------|--|--|-------------------|---------|-----|---|---------|-----|--------------------------------------|---------|-----|---------------------------------------|---------|-----|-------------|---------|-----|------------------|--|--|-------------|--|--|-----------|---------|-----|--------------------------------------|---------|-----|---------------------------------------|---------|-----|----------------|---------|-----|--------|---------|-----|-------|---------|-----|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|--|-----------|---------|-----|--|--|--|--|--|-------------------|---------|-----|
| | | kesulitan aksesibilitas sedang, cuaca baik) | | | <table border="1"> <tr> <td>Staf Administrasi</td> <td>0.02083</td> <td>O.H</td> </tr> <tr> <td>Koordinator Survey Kelengkapan Lapangan</td> <td>0.04167</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Base)</td> <td>0.02083</td> <td>O.H</td> </tr> <tr> <td>Surveyor Kelengkapan Lapangan (Rover)</td> <td>0.25000</td> <td>O.H</td> </tr> <tr> <td>Buruh Lokal</td> <td>0.50000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td>Alat</td> <td></td> <td></td> </tr> <tr> <td>Akomodasi</td> <td>0.35417</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Base dan Kelengkapannya</td> <td>0.02083</td> <td>U.H</td> </tr> <tr> <td>GPS Geodetik Rover dan Kelengkapannya</td> <td>0.25000</td> <td>U.H</td> </tr> <tr> <td>Kamera Digital</td> <td>0.27083</td> <td>U.H</td> </tr> <tr> <td>Laptop</td> <td>0.35417</td> <td>U.H</td> </tr> <tr> <td>Mobil</td> <td>0.50000</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td>Bahan</td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Personil</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ketua Tim</td> <td>0.04167</td> <td>O.H</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Staf Administrasi</td> <td>0.04167</td> <td>O.H</td> </tr> </table> | Staf Administrasi | 0.02083 | O.H | Koordinator Survey Kelengkapan Lapangan | 0.04167 | O.H | Surveyor Kelengkapan Lapangan (Base) | 0.02083 | O.H | Surveyor Kelengkapan Lapangan (Rover) | 0.25000 | O.H | Buruh Lokal | 0.50000 | O.H | a) Jumlah | | | Alat | | | Akomodasi | 0.35417 | U.H | GPS Geodetik Base dan Kelengkapannya | 0.02083 | U.H | GPS Geodetik Rover dan Kelengkapannya | 0.25000 | U.H | Kamera Digital | 0.27083 | U.H | Laptop | 0.35417 | U.H | Mobil | 0.50000 | U.H | b) Jumlah | | | Bahan | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | Personil | | | | | | | | Ketua Tim | 0.04167 | O.H | | | | | | Staf Administrasi | 0.04167 | O.H |
| Staf Administrasi | 0.02083 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Survey Kelengkapan Lapangan | 0.04167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Base) | 0.02083 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surveyor Kelengkapan Lapangan (Rover) | 0.25000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buruh Lokal | 0.50000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Akomodasi | 0.35417 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Base dan Kelengkapannya | 0.02083 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GPS Geodetik Rover dan Kelengkapannya | 0.25000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamera Digital | 0.27083 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.35417 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobil | 0.50000 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Ketua Tim | 0.04167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Staf Administrasi | 0.04167 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.4.7.6. | Uji Akurasi (dengan kesulitan | Hasil Uji Akurasi | Titik | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|----------|---|----------------------------------|-------|--|--|---------|-----|
| | | aksesibilitas berat, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 0.08333 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan (Base) | 0.04167 | O.H |
| | | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.50000 | O.H |
| | | | | | Buruh Lokal | 1.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Akomodasi | 0.70833 | U.H |
| | | | | | GPS Geodetik Base dan Kelengkapannya | 0.04167 | U.H |
| | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.50000 | U.H |
| | | | | | Kamera Digital | 0.54167 | U.H |
| | | | | | Laptop | 0.70833 | U.H |
| | | | | | Kapal | 1.00000 | U.H |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Survey Kelengkapan Lapangan | 0.16667 | O.H |
| A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | Titik | | | | |

| | | | | | | |
|----------|--|-------------------|-------|--|---------|-----|
| | | | | Surveyor Kelengkapan Lapangan (Base) | 0.08333 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Rover) | 1.00000 | O.H |
| | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.41667 | U.H |
| | | | | GPS Geodetik Base dan Kelengkapannya | 0.08333 | U.H |
| | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | Kamera Digital | 1.08333 | U.H |
| | | | | Laptop | 1.41667 | U.H |
| | | | | Mobil | 2.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | Personil | | |
| | | | | Ketua Tim | 0.01984 | O.H |
| | | | | Staf Administrasi | 0.01984 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.03968 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Base) | 0.01984 | O.H |
| A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Hasil Uji Akurasi | Titik | | | |

| | | | | | | |
|----------|--|-------------------|-------|--|---------|-----|
| | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.23810 | O.H |
| | | | | Buruh Lokal | 0.47619 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 0.33730 | U.H |
| | | | | GPS Geodetik Base dan Kelengkapannya | 0.01984 | U.H |
| | | | | GPS Geodetik Rover dan Kelengkapannya | 0.23810 | U.H |
| | | | | Kamera Digital | 0.25794 | U.H |
| | | | | Laptop | 0.33730 | U.H |
| | | | | Mobil | 0.47619 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | Ketua Tim | 0.02976 | O.H |
| | | | | Staf Administrasi | 0.02976 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.05952 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Base) | 0.02976 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.35714 | O.H |

| | | | | | | |
|----------|---|-------------------|-------|--|---------|-----|
| | | | | Buruh Lokal | 0.71429 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 0.50595 | U.H |
| | | | | GPS Geodetik Base dan Kelengkapannya | 0.02976 | U.H |
| | | | | GPS Geodetik Rover dan Kelengkapannya | 0.35714 | U.H |
| | | | | Kamera Digital | 0.38690 | U.H |
| | | | | Laptop | 0.50595 | U.H |
| | | | | Mobil | 0.71429 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | Personil | | |
| | | | | Ketua Tim | 0.05952 | O.H |
| | | | | Staf Administrasi | 0.05952 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.11905 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Base) | 0.05952 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Rover) | 0.71429 | O.H |
| | | | | Buruh Lokal | 1.42857 | O.H |
| | | | | a) Jumlah | | |
| A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Hasil Uji Akurasi | Titik | | | |

| | | | | | | |
|----------|--|-------------------|-------|--|---------|-----|
| | | | | Alat | | |
| | | | | Akomodasi | 1.01190 | U.H |
| | | | | GPS Geodetik Base dan Kelengkapannya | 0.05952 | U.H |
| | | | | GPS Geodetik Rover dan Kelengkapannya | 0.71429 | U.H |
| | | | | Kamera Digital | 0.77381 | U.H |
| | | | | Laptop | 1.01190 | U.H |
| | | | | Kapal | 1.42857 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | Ketua Tim | 0.11905 | O.H |
| | | | | Staf Administrasi | 0.11905 | O.H |
| | | | | Koordinator Survey Kelengkapan Lapangan | 0.23810 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Base) | 0.11905 | O.H |
| | | | | Surveyor Kelengkapan Lapangan (Rover) | 1.42857 | O.H |
| | | | | Buruh Lokal | 2.85714 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 2.02381 | U.H |

| | | | | | | |
|----------|---------------------|-----------------|-----|--|---------|-----|
| | | | | GPS Geodetik Base dan Kelengkapannya | 0.11905 | U.H |
| | | | | GPS Geodetik Rover dan Kelengkapannya | 1.42857 | U.H |
| | | | | Kamera Digital | 1.54762 | U.H |
| | | | | Laptop | 2.02381 | U.H |
| | | | | Mobil | 2.85714 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.7. | Pengolahan Data SKL | Geodatabase SKL | NLP | Personil | | |
| | | | | Ketua Tim | 0.10417 | O.H |
| | | | | Staf Administrasi | 0.10417 | O.H |
| | | | | Koordinator Survei Kelengkapan Lapangan | 0.20833 | O.H |
| | | | | Operator Survey Kelengkapan Lapangan | 1.04167 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Akomodasi | 1.45833 | U.H |
| | | | | Laptop | 1.45833 | U.H |
| | | | | Scanner | 1.25000 | U.H |
| | | | | Software GIS | 1.25000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |

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|-----------|--------------|-------------------------------------|---------|---|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.8. | Demobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | |
| | | | | Ketua Tim | 1.00000 | O.H |
| | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | Koordinator Survei Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | Surveyor Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | Operator Survey Kelengkapan Lapangan | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Mobil | 2.00000 | U.H |
| | | | | Tiket Transportasi | 6.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.7.10. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Survei Kelengkapan Lapangan | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |

| | | | | | | | | |
|--------|-------------------|----------|-----------------------------|------------------------------------|---------|---|---------|------|
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.8. | Penyelarasan Data | A.4.8.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.16667 | O.H |
| | | | | | | Operator Penyelarasan Data | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H |
| | | | | | | PC Workstation | 1.16667 | U.H |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.8.2. | Editing Fitur | Geodatabase | NLP | Personil | | |

| | | | | | | |
|----------|--|--|-----|---|---------|-----|
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | Editing Fitur dan Atribut (Tingkat Kepadatan Objek : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP | Personil | | |
| | | | | Ketua Tim | 0.62500 | O.H |
| | | | | Staf Administrasi | 0.62500 | O.H |
| | | | | Koordinator Penyelaras Data | 1.25000 | O.H |
| | | | | Operator Penyelaras Data | 7.50000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 1.25000 | U.H |
| | | | | PC Workstation | 8.75000 | U.H |
| | | | | Software GIS | 8.75000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.8.3. | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP | Personil | | |
| | | | | Ketua Tim | 0.10000 | O.H |
| | | | | Staf Administrasi | 0.10000 | O.H |
| | | | | Koordinator Penyelaras Data | 0.20000 | O.H |
| | | | | Operator Penyelaras Data | 1.20000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.20000 | U.H |
| | | | | PC Workstation | 1.40000 | U.H |
| | | | | Software GIS | 1.40000 | U.H |

| | | | | | | |
|----------|-------------------------------|---|-------------------|---|---------|------|
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.8.4. | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | Personil | | |
| | | | | Ketua Tim | 0.20833 | O.H |
| | | | | Staf Administrasi | 0.20833 | O.H |
| | | | | Koordinator Penyelarasan Data | 0.41667 | O.H |
| | | | | Operator Penyelarasan Data | 2.50000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.41667 | U.H |
| | | | | PC Workstation | 2.91667 | U.H |
| | | | | Software GIS | 2.91667 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.8.5. | Pelaporan | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Penyelarasan Data | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Harddisk Eksternal | 0.00000 | U.H. |

| | | | | | | | | |
|--------|--------------------|----------|-----------------------------|------------------------------------|---------|--|---------|------|
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.9. | Pembuatan Metadata | A.4.9.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Pembuatan Metadata | 0.16667 | O.H |
| | | | | | | Operator Pembuatan Metadata | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H |
| | | | | | | PC Workstation | 1.16667 | U.H |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | |
|----------|--------------------|-----------------------------------|-------------|---|---------|------|
| A.4.9.2. | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatabase | Personil | | |
| | | | | Ketua Tim | 0.08333 | O.H |
| | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | Koordinator Pembuatan Metadata | 0.16667 | O.H |
| | | | | Operator Pembuatan Metadata | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H |
| | | | | PC Workstation | 1.16667 | U.H |
| | | | | Software GIS | 1.16667 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.9.3. | Pelaporan | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Pembuatan Metadata | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | Laptop | 4.00000 | U.H. |
| | | | | PC Workstation | 2.00000 | U.H. |
| Printer | 2.00000 | U.H. | | | | |

| | | | | | | | | |
|---------|----------------------------|----------|-----------------------------------|------------------------------------|---------|--|---------|------|
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.10. | Penyajian Hasil peta dasar | A.4.10.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.16667 | O.H |
| | | | | | | Operator Penyajian Kartografis | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | | Plotter | 1.00000 | U.H. |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.4.10.4 | Penyiapan Informasi Tepi dan Muka | Layout tiap NLP dalam format yang | GDB | Personil | | |
| | | | | | | Ketua Tim | 0.01190 | O.H |
| | | | | | | Staf Administrasi | 0.01190 | O.H |

| | | | | | | |
|----------|-----------------------------|---------------------------|-----|--|---------|------|
| | Peta | ditentukan | | Koordinator Penyajian Kartografis | 0.02381 | O.H |
| | | | | Operator Penyajian Kartografis | 0.14286 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.02381 | U.H. |
| | | | | PC Workstation | 0.16667 | U.H. |
| | | | | Software GIS | 0.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.10.9 | Pencetakan Hasil Peta Dasar | hasil Peta Dasar tiap NLP | GDB | Personil | | |
| | | | | Ketua Tim | 0.00595 | O.H |
| | | | | Staf Administrasi | 0.00595 | O.H |
| | | | | Koordinator Penyajian Kartografis | 0.01190 | O.H |
| | | | | Operator Penyajian Kartografis | 0.07143 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.01190 | U.H. |
| | | | | PC Workstation | 0.08333 | U.H. |
| | | | | Plotter | 0.07143 | U.H. |
| | | | | Software GIS | 0.08333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | ATK | 1.00000 | Set |

| | | | | | | |
|-----------|-----------|------------------------------------|---------|---|----------|-----------|
| | | | | Kertas Peta | 3.00000 | lembar A0 |
| | | | | Kertas separasi warna | 18.00000 | lembar A0 |
| | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.4.10.11 | Pelaporan | Laporan Penyajian Hasil Peta Dasar | Dokumen | Personil | | |
| | | Album peta (draft dan akhir) | | Ketua Tim | 2.00000 | O.H |
| | | soft copy data | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | Laptop | 4.00000 | U.H. |
| | | | | PC Workstation | 2.00000 | U.H. |
| | | | | Printer | 2.00000 | U.H. |
| | | | | Scanner | 2.00000 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | ATK | 1.00000 | Set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | |
|---------|-----------|-----------|-------------------|-------------------|---------|---|----------|---------|
| A.4.11. | Pelaporan | A.4.11.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3.00000 | Rangkap |
| | | | | | | Tinta Printer | 1.00000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |





Analisa Biaya Keluaran Kegiatan

f. Pemutakhiran Peta Rupabumi Skala Menengah

BADAN INFORMASI
GEOSPASIAL

Pelaksanaan pekerjaan Pemutakhiran Peta Rupabumi Skala Menengah dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pemutakhiran Peta Rupabumi Skala Menengah:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

4. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

Tabel berikut menunjukkan besaran koefisien pada Pemutakhiran Peta Rupabumi Skala Menengah:

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------------|-----------|---------|-----------------------------|--|---------|--|--------------------|-----------|--------|
| A.5.1. | Persiapan | A.5.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 4.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 4.00000 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 4.00000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 4.00000 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 1 | 4.00000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spothight | | 0.00000 | OH |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 4.00000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | | 0.00000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 4.00000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | | 0.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | GPS Mapping dan Kelengkapannya | | 0.00000 | U.H |
| | | | | | | Kamera Digital | | 0.00000 | U.H |
| | | | | | | Laptop | | 0.00000 | U.H |
| | | | | | | PC Workstation | | 0.00000 | U.H |
| | | | | | | Plotter | | 0.00000 | U.H. |
| | | | | | | Printer | | 1.00000 | U.H. |
| | | | | | | Scanner A0 | | 0.00000 | U.H. |
| Scanner A4 | | 0.00000 | U.H. | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|---------|--|--|---------|--|--------------------|-----------|--------|
| | | | | | | Software GIS | | 0.00000 | U.H |
| | | | | | | Software Stereoplotting | | 0.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks pekerjaan | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | | 0.00000 | OH |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Penyeragaman Data | | 0.00000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 2.00000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | | 0.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|---------|-------------|-------------------|---------|--|--------------------|-----------|-----------|
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 5 | 10.00000 | U.H. |
| | | | | | | Plotter | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | Software GIS | 5 | 10.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas Peta | 2 | 2.00000 | lembar A0 |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | Tinta Plotter | 0.0004 | 0.00040 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 1 | 1.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|----------------|---------|-----------------------------|------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.2. | Penyiapan Data | A.5.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.00000 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 1.00000 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 2.00000 | U.H. |
| | | | | | | PC Workstation | 2 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.2.2 | Penyiapan Data | Formulir Checklist | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.00000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan | |
|------|---------|---------|-------------|------------------------|---|--|--------------------|-----------|---------|------|
| | | | | Hasil Kesiapan Data | | Staf Administrasi | 1 | 1.00000 | O.H | |
| | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | | 1 | 1.00000 | O.H | |
| | | | | | Operator Digitasi 2D Unsur Peta Dasar | | 1 | 1.00000 | O.H | |
| | | | | | a) Jumlah | | | | | |
| | | | | | Alat | | | | | |
| | | | | | Laptop | | 2 | 2.00000 | U.H. | |
| | | | | | PC Workstation | | 2 | 2.00000 | U.H. | |
| | | | | | Printer | | 1 | 1.00000 | U.H. | |
| | | | | | Scanner A4 | | 1 | 1.00000 | U.H. | |
| | | | | | Software GIS | | 2 | 2.00000 | U.H. | |
| | | | | | b) Jumlah | | | | | |
| | | | | | Bahan | | | | | |
| | | | | | ATK | | 1 | 1.00000 | Set | |
| | | | | | Kertas HVS A4 | | 0.02 | 0.02000 | Rim | |
| | | | | | Tinta Printer | | 0.002 | 0.00200 | Paket | |
| | | | | | c) Jumlah | | | | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | A.5.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Harddisk Eksternal | | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | | 2 | 4.00000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|------------------------------|----------|-----------------------------|------------------------------------|---------|--|--------------------|-----------|--------|
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.3. | Digitasi 2D Unsur Peta Dasar | A.5.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 0.16667 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|--|-----------|---|--------------------|-----------|--------|
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.3.2. | Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 0.33333 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 2.33333 | U.H. |
| | | | | | | Software GIS | 2 | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.25000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.25000 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 0.50000 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1 | 3.00000 | O.H |
| | | | | | | a) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|--|-----------|---|--------------------|-----------|--------|
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.50000 | U.H. |
| | | | | | | PC Workstation | 2 | 3.50000 | U.H. |
| | | | | | | Software GIS | 2 | 3.50000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Digitasi IG Unsur Peta Dasar | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (25K) | Personil | | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 1 | 0.33333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.33333 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 0.66667 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1 | 4.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.66667 | U.H. |
| | | | | | | PC Workstation | 2 | 4.66667 | U.H. |
| | | | | | | Software GIS | 2 | 4.66667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.3.3. | Pelaporan | Laporan | Dokumen | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|----------------------------------|----------|-----------------------------|------------------------------------|---|-------------|--------------------|-----------|--------|
| | | | | Digitasi IG Unsur Peta Dasar | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | Staf Administrasi | 1 | 2.00000 | O.H | |
| | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 2.00000 | O.H | |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | | | | |
| | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. | |
| | | | | | Laptop | 2 | 4.00000 | U.H. | |
| | | | | | PC Workstation | 1 | 2.00000 | U.H. | |
| | | | | | Printer | 1 | 2.00000 | U.H. | |
| | | | | | Scanner A4 | 1 | 2.00000 | U.H. | |
| | | | | | b) Jumlah | | | | |
| | | | | | Bahan | | | | |
| | | | | | ATK | 1 | 1.00000 | Set | |
| | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim | |
| | | | | | Tinta Printer | 0.02 | 0.02000 | Paket | |
| | | | | | c) Jumlah | | | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| A.5.4. | Pembentukan Topologi dan Poligon | A.5.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | Ketua Tim | 1 | 0.08333 | O.H | |
| | | | | | Staf Administrasi | 1 | 0.08333 | O.H | |
| | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.16667 | O.H | |
| | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 1.00000 | O.H | |
| | | | | | a) Jumlah | | | | |
| | | | | | Alat | | | | |
| | | | | | Laptop | 2 | 0.16667 | U.H. | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|---|-----------|--|--------------------|-----------|--------|
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.4.2. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan | | |
|------|---------|------|--|---|-----------|---|--------------------|---|--------|---------|------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | | | | |
| | | | | | | | | Ketua Tim | 1 | 0.12500 | O.H |
| | | | | | | | | Staf Administrasi | 1 | 0.12500 | O.H |
| | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.25000 | O.H |
| | | | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 1.50000 | O.H |
| | | | | | | | | a) Jumlah | | | |
| | | | | | | | | Alat | | | |
| | | | | | | | | Laptop | 2 | 0.25000 | U.H. |
| | | | | | | | | PC Workstation | 2 | 1.75000 | U.H. |
| | | | | | | | | Software GIS | 2 | 1.75000 | U.H. |
| | | | | | | | | b) Jumlah | | | |
| | | | | | | | | Bahan | | | |
| | | | | | | | | c) Jumlah | | | |
| | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (25K) | Personil | | | | | |
| | | | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.33333 | O.H |
| | | | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 2.00000 | O.H |
| | | | | | | | | a) Jumlah | | | |
| | | | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|--|-----------|--|--------------------|-----------|--------|
| | | | | | | Laptop | 2 | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 2.33333 | U.H. |
| | | | | | | Software GIS | 2 | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.4.3. | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (25K) | Personil | | | |
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pembentukan dan Editing | Geodatabase dengan fitur- | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.12500 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|------|---|--|-----------|---|--------------------|-----------|--------|
| | | | Poligon (Tingkat Kepadatan Fitur Data : Sedang) | fitur poligon beserta atribut (Seamless). | | Staf Administrasi | 1 | 0.12500 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.25000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 1.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.25000 | U.H. |
| | | | | | | PC Workstation | 2 | 1.75000 | U.H. |
| | | | | | | Software GIS | 2 | 1.75000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 0.33333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 2.33333 | U.H. |
| | | | | | | Software GIS | 2 | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|-----------------|----------|-----------------------------|--|---------|---|--------------------|-----------|--------|
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.4.4. | Pelaporan | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.5. | Pembentukan DTM | A.5.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 1 | 0.16667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|-----------------------------|----------|-----------|---|--------------------|-----------|--------|
| | | | | | | Operator Pembentukan DTM | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | Software Stereoplotting | 2 | 0.11667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.5.2. | Pembentukan dan Editing DTM | File DTM | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.33333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.33333 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 1 | 0.66667 | O.H |
| | | | | | | Operator Pembentukan DTM | 1 | 4.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.66667 | U.H. |
| | | | | | | PC Workstation | 2 | 4.66667 | U.H. |
| | | | | | | Software GIS | 2 | 4.66667 | U.H. |
| | | | | | | Software Stereoplotting | 2 | 0.46667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|-----------------------------------|----------|-----------------------------|------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.5.3. | Pelaporan | Laporan Pembentukan DTM | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan DTM | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.6. | Pembentukan Kontur dan Spotheight | A.5.6.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--------------------------------|-------------------------------|-----------|---|--------------------|-----------|--------|
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1 | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.6.2. | Pembentukan dan Editing Kontur | Geodatabase kontur hipsografi | NLP (25K) | Personil | | | |
| | | | (Topografi Wilayah : Landai) | | | Ketua Tim | 1 | 0.50000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.50000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1 | 1.00000 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 1 | 6.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 1.00000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-----------------------------------|-----------|---|--------------------|-----------|--------|
| | | | | | | PC Workstation | 2 | 7.00000 | U.H. |
| | | | | | | Software GIS | 2 | 7.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Pembentukan dan Editing Kontur (Topografi Wilayah : Berbukit) | Geodatabase kontur hipsografi | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.66667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.66667 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1 | 1.33333 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 1 | 8.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 1.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 9.33333 | U.H. |
| | | | | | | Software GIS | 2 | 9.33333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.6.3. | Pembentukan Spotheight | Geodatabase Spotheight hipsografi | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|-------------|---|---------|---|--------------------|-----------|--------|
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1 | 0.33333 | O.H |
| | | | | | | Operator Pembentukan Kontur dan Spotheight | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 2.33333 | U.H. |
| | | | | | | Software GIS | 2 | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.6.4. | Pelaporan | Laporan Pembentukan Kontur dan Spotheight | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|------------------|----------|--|------------------------------------|---------|--|--------------------|-----------|--------|
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.7. | Persiapan Survey | A.5.7.1. | Persiapan Alat dan Personil Persiapan Survei | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 4 | 1.33333 | U.H |
| | | | | | | Plotter | 1 | 1.00000 | U.H |
| | | | | | | Printer | 1 | 1.00000 | U.H |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan | |
|-----------|---|----------|-------------|--------|--------|---|--------------------|-----------|------------------------------------|-------------|
| | | A.5.7.2. | Mobilisasi | | NLP | Personil | | | | |
| | | | | | | Ketua Tim | 1 | | O.H | |
| | | | | | | Staf Administrasi | 1 | | O.H | |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Mobil (Kantor-Bandara & Bandara Basecamp) | 2 | 2.00000 | U.H | |
| | | | | | | Tiket Transportasi (Koordinator & Operator) | 2 | 2.00000 | U.H | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | | | | | | | A.5.7.3. | Koordinasi dengan Instansi Terkait | Ijin Survei |
| | Ketua Tim | 1 | | O.H | | | | | | |
| | Staf Administrasi | 1 | | O.H | | | | | | |
| | Koordinator Survey Kelengkapan Lapangan | 1 | 5.00000 | O.H | | | | | | |
| | Operator Survei Kelengkapan Lapangan | 1 | 5.00000 | O.H | | | | | | |
| | a) Jumlah | | | | | | | | | |
| | Alat | | | | | | | | | |
| Akomodasi | 2 | 10.00000 | U.H | | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--------------|--------|--------|--|--------------------|-----------|--------|
| | | | | | | Laptop | 2 | 10.00000 | U.H |
| | | | | | | Mobil | 1 | 5.00000 | U.H |
| | | | | | | Printer | 1 | 5.00000 | U.H |
| | | | | | | Scanner A4 | 1 | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.2 | 0.20000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.4. | Demobilisasi | | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | | O.H |
| | | | | | | Staf Administrasi | 1 | | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Mobil (Basecamp-Bandara & Bandara-Kantor) | 2 | 2.00000 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) | 2 | 2.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-----------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.5. | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.33333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.33333 | U.H. |
| | | | | | | PC Workstation | 2 | 2.33333 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | Software GIS | 2 | 2.33333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.2 | 0.20000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan | Peta Manuskrip | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.04167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.04167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.08333 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|----------------|--------|---|--------------------|-----------|-----------|
| | | | objek rendah) | | | Operator Survei Kelengkapan Lapangan | 1 | 0.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 3 | 0.08333 | U.H. |
| | | | | | | PC Workstation | 1 | 0.58333 | U.H. |
| | | | | | | Plotter | 1 | 0.50000 | U.H |
| | | | | | | Printer | 1 | 0.50000 | U.H |
| | | | | | | Software GIS | 2 | 0.58333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | Tinta Plotter | 0.0004 | 0.00040 | paket |
| | | | | | | Kertas Peta | 2 | 2.00000 | lembar A0 |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek sedang) | Peta Manuskrip | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.05417 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.05417 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.10833 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 0.65000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|----------------|--------|--|--------------------|-----------|-----------|
| | | | | | | Laptop | 3 | 0.10833 | U.H. |
| | | | | | | PC Workstation | 1 | 0.75833 | U.H. |
| | | | | | | Plotter | 1 | 0.65000 | U.H. |
| | | | | | | Printer | 1 | 0.65000 | U.H. |
| | | | | | | Software GIS | 2 | 0.75833 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | Tinta Plotter | 0.0004 | 0.00040 | paket |
| | | | | | | Kertas Peta | 2 | 2.00000 | lembar A0 |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.6. | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.07000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.07000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.14000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 0.84000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 3 | 0.14000 | U.H. |
| | | | | | | PC Workstation | 1 | 0.98000 | U.H. |
| | | | | | | Plotter | 1 | 0.84000 | U.H. |
| | | | | | | Printer | 1 | 0.84000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--------------------------------|----------------------|---------|--|--------------------|-----------|-----------|
| | | | | | | Software GIS | 2 | 0.98000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | Tinta Plotter | 0.0004 | 0.00040 | paket |
| | | | | | | Kertas Peta | 2 | 2.00000 | lembar A0 |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.7. | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.50000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.50000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 1.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 1.00000 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 1 | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.2 | 0.20000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---------------------|-------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.8. | Pencetakan Formulir | Formulir | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.00139 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.00139 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.00278 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 0.01667 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.00278 | U.H. |
| | | | | | | PC Workstation | 2 | 0.01944 | U.H. |
| | | | | | | Printer | 1 | 0.01667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.2 | 0.20000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.7.9. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|-----------------------------|----------|-----------------------------|----------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.8. | Survey Kelengkapan Lapangan | A.5.8.1. | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Operator Survey Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.00000 | U.H |
| | | | | | | Laptop | 4 | 1.33333 | U.H |
| | | | | | | Printer | 1 | 1.00000 | U.H. |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|-------------|--------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Scanner A0 | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H |
| | | | | | | Software GIS | 2 | 1.16667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.2. | Mobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | | |
| | | | | | | Ketua Tim | 1 | | O.H |
| | | | | | | Staf Administrasi | 1 | | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Mobil (Kantor-Bandara & Bandara Basecamp) | 2 | 2.00000 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) | 3 | 3.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.11667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.11667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.23333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.40000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.40000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.86667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.40000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.40000 | U.H |
| | | | | | | Laptop | 4 | 1.86667 | U.H |
| | | | | | | Mobil | 1 | 1.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.13333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.13333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.26667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.60000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | sedang, kepadatan objek padat, cuaca baik) | | | Buruh Lokal | 1 | 1.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.13333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.60000 | U.H |
| | | | | | | Laptop | 4 | 2.13333 | U.H |
| | | | | | | Mobil | 1 | 1.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.15000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.15000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.30000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.80000 | U.H |
| | | | | | | Kapal | 1 | 1.80000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Laptop | 4 | 2.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.15833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.15833 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.31667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.90000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.90000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.53333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.90000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.90000 | U.H |
| | | | | | | Laptop | 4 | 2.53333 | U.H |
| | | | | | | Mobil | 1 | 1.90000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi | Unsur | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Rupabumi terverifikasi | | Ketua Tim | 1 | 0.15167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.15167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.30333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.82000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.82000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.42667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.82000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.82000 | U.H |
| | | | | | | Laptop | 4 | 2.42667 | U.H |
| | | | | | | Mobil | 1 | 1.82000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.17333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.17333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.34667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.08000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.08000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 2.77333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.08000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.08000 | U.H |
| | | | | | | Laptop | 4 | 2.77333 | U.H |
| | | | | | | Mobil | 1 | 2.08000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.19500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.19500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.39000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.34000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.34000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 3.12000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.34000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.34000 | U.H |
| | | | | | | Kapal | 1 | 2.34000 | U.H |
| | | | | | | Laptop | 4 | 3.12000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.20583 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.20583 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.41167 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.47000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.47000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 3.29333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.47000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.47000 | U.H |
| | | | | | | Laptop | 4 | 3.29333 | U.H |
| | | | | | | Mobil | 1 | 2.47000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.06667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.06667 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.13333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.80000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.06667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.80000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.80000 | U.H |
| | | | | | | Laptop | 4 | 1.06667 | U.H |
| | | | | | | Mobil | 1 | 0.80000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.06667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.06667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.13333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.80000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.06667 | U.H |
| | | | | | | GPS Mapping dan | 1 | 0.80000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 0.80000 | U.H |
| | | | | | | Laptop | 4 | 1.06667 | U.H |
| | | | | | | Mobil | 1 | 0.80000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.10000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.10000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.20000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.20000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.20000 | U.H |
| | | | | | | Kapal | 1 | 1.20000 | U.H |
| | | | | | | Laptop | 4 | 1.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.10833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.10833 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.21667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.30000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.30000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.73333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.30000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.30000 | U.H |
| | | | | | | Laptop | 4 | 1.73333 | U.H |
| | | | | | | Mobil | 1 | 1.30000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.17333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.04000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | rendah, kepadatan objek sedang, cuaca buruk) | | | Buruh Lokal | 1 | 1.04000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.38667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.04000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.04000 | U.H |
| | | | | | | Laptop | 4 | 1.38667 | U.H |
| | | | | | | Mobil | 1 | 1.04000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.17333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.04000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.04000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.38667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.04000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.04000 | U.H |
| | | | | | | Laptop | 4 | 1.38667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Mobil | 1 | 1.04000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.13000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.13000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.26000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.56000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.56000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.08000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.56000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.56000 | U.H |
| | | | | | | Kapal | 1 | 1.56000 | U.H |
| | | | | | | Laptop | 4 | 2.08000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi | Unsur | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Rupabumi terverifikasi | | Ketua Tim | 1 | 0.14083 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.14083 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.28167 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.69000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.69000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.25333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.69000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.69000 | U.H |
| | | | | | | Laptop | 4 | 2.25333 | U.H |
| | | | | | | Mobil | 1 | 1.69000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.01667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.01667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.03333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 0.26667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.20000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.20000 | U.H |
| | | | | | | Laptop | 4 | 0.26667 | U.H |
| | | | | | | Mobil | 1 | 0.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.01667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.01667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.03333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.26667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.20000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.20000 | U.H |
| | | | | | | Laptop | 4 | 0.26667 | U.H |
| | | | | | | Mobil | 1 | 0.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.03333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.03333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.06667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.40000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.40000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.53333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.40000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.40000 | U.H |
| | | | | | | Kapal | 1 | 0.40000 | U.H |
| | | | | | | Laptop | 4 | 0.53333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.05000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.05000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.10000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.60000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.80000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.60000 | U.H |
| | | | | | | Laptop | 4 | 0.80000 | U.H |
| | | | | | | Mobil | 1 | 0.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.02167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.02167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.04333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.26000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.26000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.34667 | U.H |
| | | | | | | GPS Mapping dan | 1 | 0.26000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 0.26000 | U.H |
| | | | | | | Laptop | 4 | 0.34667 | U.H |
| | | | | | | Mobil | 1 | 0.26000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.02167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.02167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.04333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.26000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.26000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.34667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.26000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.26000 | U.H |
| | | | | | | Laptop | 4 | 0.34667 | U.H |
| | | | | | | Mobil | 1 | 0.26000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.04333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.04333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.08667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.52000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.52000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.69333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.52000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.52000 | U.H |
| | | | | | | Kapal | 1 | 0.52000 | U.H |
| | | | | | | Laptop | 4 | 0.69333 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.3. | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas) | Unsur Rupabumi terverifikasi | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.06500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.06500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.13000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.78000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|--------------------|-----------|--------|
| | | | sangat berat, kepadatan objek jarang, cuaca buruk) | | | Buruh Lokal | 1 | 0.78000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.04000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.78000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.78000 | U.H |
| | | | | | | Laptop | 4 | 1.04000 | U.H |
| | | | | | | Mobil | 1 | 0.78000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.00000 | U.H |
| | | | | | | Laptop | 4 | 1.33333 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Mobil | 1 | 1.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.33333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.00000 | U.H |
| | | | | | | Laptop | 4 | 2.66667 | U.H |
| | | | | | | Mobil | 1 | 2.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi | Batas | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|--------------------|-----------|--------|
| | | | Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Wilayah Indikatif | | Ketua Tim | 1 | 0.25000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.25000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.50000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 3.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 3.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 4.00000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 3.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 3.00000 | U.H |
| | | | | | | Kapal | 1 | 3.00000 | U.H |
| | | | | | | Laptop | 4 | 4.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.33333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.33333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.66667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 4.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 4.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 5.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 4.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 4.00000 | U.H |
| | | | | | | Laptop | 4 | 5.33333 | U.H |
| | | | | | | Mobil | 1 | 4.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.10833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.10833 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.21667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.30000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.30000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.73333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.30000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.30000 | U.H |
| | | | | | | Laptop | 4 | 1.73333 | U.H |
| | | | | | | Mobil | 1 | 1.30000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.21667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.21667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.43333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.60000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 3.46667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.60000 | U.H |
| | | | | | | Laptop | 4 | 3.46667 | U.H |
| | | | | | | Mobil | 1 | 2.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.32500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.32500 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.65000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 3.90000 | O.H |
| | | | | | | Buruh Lokal | 1 | 3.90000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 5.20000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 3.90000 | U.H |
| | | | | | | Kamera Digital | 1 | 3.90000 | U.H |
| | | | | | | Kapal | 1 | 3.90000 | U.H |
| | | | | | | Laptop | 4 | 5.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.43333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.43333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.86667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 5.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 5.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 6.93333 | U.H |
| | | | | | | GPS Mapping dan | 1 | 5.20000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 5.20000 | U.H |
| | | | | | | Laptop | 4 | 6.93333 | U.H |
| | | | | | | Mobil | 1 | 5.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.04167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.04167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.08333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.50000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.50000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.50000 | U.H |
| | | | | | | Laptop | 4 | 0.66667 | U.H |
| | | | | | | Mobil | 1 | 0.50000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.00000 | U.H |
| | | | | | | Laptop | 4 | 1.33333 | U.H |
| | | | | | | Mobil | 1 | 1.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.12500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.12500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.25000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.50000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | kepadatan objek jarang, cuaca baik) | | | Buruh Lokal | 1 | 1.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.00000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.50000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.50000 | U.H |
| | | | | | | Kapal | 1 | 1.50000 | U.H |
| | | | | | | Laptop | 4 | 2.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.33333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.00000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.00000 | U.H |
| | | | | | | Laptop | 4 | 2.66667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Mobil | 1 | 2.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.05417 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.05417 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.10833 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.65000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.65000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.86667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.65000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.65000 | U.H |
| | | | | | | Laptop | 4 | 0.86667 | U.H |
| | | | | | | Mobil | 1 | 0.65000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi | Batas | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------|--------|---|--------------------|-----------|--------|
| | | | Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Wilayah Indikatif | | Ketua Tim | 1 | 0.10833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.10833 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.21667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.30000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.30000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.73333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.30000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.30000 | U.H |
| | | | | | | Laptop | 4 | 1.73333 | U.H |
| | | | | | | Mobil | 1 | 1.30000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.16250 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.16250 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.32500 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.95000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.95000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 2.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.95000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.95000 | U.H |
| | | | | | | Kapal | 1 | 1.95000 | U.H |
| | | | | | | Laptop | 4 | 2.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.4. | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.21667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.21667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.43333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.60000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 3.46667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.60000 | U.H |
| | | | | | | Laptop | 4 | 3.46667 | U.H |
| | | | | | | Mobil | 1 | 2.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.05000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.05000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.10000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 12.60000 | O.H |
| | | | | | | Buruh Lokal | 1 | 12.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 16.80000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 12.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 12.60000 | U.H |
| | | | | | | Laptop | 4 | 16.80000 | U.H |
| | | | | | | Mobil | 1 | 12.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.20000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.20000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|--|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.40000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 14.40000 | O.H |
| | | | | | | Buruh Lokal | 1 | 14.40000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 19.20000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 14.40000 | U.H |
| | | | | | | Kamera Digital | 1 | 14.40000 | U.H |
| | | | | | | Laptop | 4 | 19.20000 | U.H |
| | | | | | | Mobil | 1 | 14.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.35000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.35000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.70000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 16.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 16.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 21.60000 | U.H |
| | | | | | | GPS Mapping dan | 1 | 16.20000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 16.20000 | U.H |
| | | | | | | Kapal | 1 | 16.20000 | U.H |
| | | | | | | Laptop | 4 | 21.60000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.42500 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.42500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.85000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 17.10000 | O.H |
| | | | | | | Buruh Lokal | 1 | 17.10000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 22.80000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 17.10000 | U.H |
| | | | | | | Kamera Digital | 1 | 17.10000 | U.H |
| | | | | | | Laptop | 4 | 22.80000 | U.H |
| | | | | | | Mobil | 1 | 17.10000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.36500 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.36500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.73000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 16.38000 | O.H |
| | | | | | | Buruh Lokal | 1 | 16.38000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 21.84000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 16.38000 | U.H |
| | | | | | | Kamera Digital | 1 | 16.38000 | U.H |
| | | | | | | Laptop | 4 | 21.84000 | U.H |
| | | | | | | Mobil | 1 | 16.38000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.56000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.56000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 3.12000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 18.72000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | sedang, kepadatan objek padat, cuaca buruk) | | | Buruh Lokal | 1 | 18.72000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 24.96000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 18.72000 | U.H |
| | | | | | | Kamera Digital | 1 | 18.72000 | U.H |
| | | | | | | Laptop | 4 | 24.96000 | U.H |
| | | | | | | Mobil | 1 | 18.72000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.75500 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.75500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 3.51000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 21.06000 | O.H |
| | | | | | | Buruh Lokal | 1 | 21.06000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 28.08000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 21.06000 | U.H |
| | | | | | | Kamera Digital | 1 | 21.06000 | U.H |
| | | | | | | Kapal | 1 | 21.06000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Laptop | 4 | 28.08000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.85250 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.85250 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 3.70500 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 22.23000 | O.H |
| | | | | | | Buruh Lokal | 1 | 22.23000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 29.64000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 22.23000 | U.H |
| | | | | | | Kamera Digital | 1 | 22.23000 | U.H |
| | | | | | | Laptop | 4 | 29.64000 | U.H |
| | | | | | | Mobil | 1 | 22.23000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan | Nama Unsur | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Rupabumi Terkumpul | | Ketua Tim | 1 | 0.60000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.60000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.20000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 7.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 7.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 9.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 7.20000 | U.H |
| | | | | | | Kamera Digital | 1 | 7.20000 | U.H |
| | | | | | | Laptop | 4 | 9.60000 | U.H |
| | | | | | | Mobil | 1 | 7.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.60000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.60000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.20000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 7.20000 | O.H |
| | | | | | | Buruh Lokal | 1 | 7.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 9.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 7.20000 | U.H |
| | | | | | | Kamera Digital | 1 | 7.20000 | U.H |
| | | | | | | Laptop | 4 | 9.60000 | U.H |
| | | | | | | Mobil | 1 | 7.20000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.90000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.90000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.80000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 10.80000 | O.H |
| | | | | | | Buruh Lokal | 1 | 10.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 14.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 10.80000 | U.H |
| | | | | | | Kamera Digital | 1 | 10.80000 | U.H |
| | | | | | | Kapal | 1 | 10.80000 | U.H |
| | | | | | | Laptop | 4 | 14.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.97500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.97500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.95000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 11.70000 | O.H |
| | | | | | | Buruh Lokal | 1 | 11.70000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 15.60000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 11.70000 | U.H |
| | | | | | | Kamera Digital | 1 | 11.70000 | U.H |
| | | | | | | Laptop | 4 | 15.60000 | U.H |
| | | | | | | Mobil | 1 | 11.70000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.78000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.78000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.56000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 9.36000 | O.H |
| | | | | | | Buruh Lokal | 1 | 9.36000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 12.48000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 9.36000 | U.H |
| | | | | | | Kamera Digital | 1 | 9.36000 | U.H |
| | | | | | | Laptop | 4 | 12.48000 | U.H |
| | | | | | | Mobil | 1 | 9.36000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.78000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.78000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.56000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 9.36000 | O.H |
| | | | | | | Buruh Lokal | 1 | 9.36000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 12.48000 | U.H |
| | | | | | | GPS Mapping dan | 1 | 9.36000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 9.36000 | U.H |
| | | | | | | Laptop | 4 | 12.48000 | U.H |
| | | | | | | Mobil | 1 | 9.36000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.17000 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.17000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.34000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 14.04000 | O.H |
| | | | | | | Buruh Lokal | 1 | 14.04000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 18.72000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 14.04000 | U.H |
| | | | | | | Kamera Digital | 1 | 14.04000 | U.H |
| | | | | | | Kapal | 1 | 14.04000 | U.H |
| | | | | | | Laptop | 4 | 18.72000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 1.26750 | O.H |
| | | | | | | Staf Administrasi | 1 | 1.26750 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 2.53500 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 15.21000 | O.H |
| | | | | | | Buruh Lokal | 1 | 15.21000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 20.28000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 15.21000 | U.H |
| | | | | | | Kamera Digital | 1 | 15.21000 | U.H |
| | | | | | | Laptop | 4 | 20.28000 | U.H |
| | | | | | | Mobil | 1 | 15.21000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.15000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.15000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.30000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.80000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | rendah, kepadatan objek jarang, cuaca baik) | | | Buruh Lokal | 1 | 1.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.80000 | U.H |
| | | | | | | Laptop | 4 | 2.40000 | U.H |
| | | | | | | Mobil | 1 | 1.80000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.15000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.15000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.30000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.80000 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.80000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 2.40000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.80000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.80000 | U.H |
| | | | | | | Laptop | 4 | 2.40000 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Mobil | 1 | 1.80000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.30000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.30000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.60000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 3.60000 | O.H |
| | | | | | | Buruh Lokal | 1 | 3.60000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 4.80000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 3.60000 | U.H |
| | | | | | | Kamera Digital | 1 | 3.60000 | U.H |
| | | | | | | Kapal | 1 | 3.60000 | U.H |
| | | | | | | Laptop | 4 | 4.80000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan | Nama Unsur | NLP | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Rupabumi Terkumpul | | Ketua Tim | 1 | 0.45000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.45000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.90000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 5.40000 | O.H |
| | | | | | | Buruh Lokal | 1 | 5.40000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 7.20000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 5.40000 | U.H |
| | | | | | | Kamera Digital | 1 | 5.40000 | U.H |
| | | | | | | Laptop | 4 | 7.20000 | U.H |
| | | | | | | Mobil | 1 | 5.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.19500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.19500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.39000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.34000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.34000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 3.12000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.34000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.34000 | U.H |
| | | | | | | Laptop | 4 | 3.12000 | U.H |
| | | | | | | Mobil | 1 | 2.34000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.19500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.19500 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.39000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 2.34000 | O.H |
| | | | | | | Buruh Lokal | 1 | 2.34000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 3.12000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 2.34000 | U.H |
| | | | | | | Kamera Digital | 1 | 2.34000 | U.H |
| | | | | | | Laptop | 4 | 3.12000 | U.H |
| | | | | | | Mobil | 1 | 2.34000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.39000 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.39000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.78000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 4.68000 | O.H |
| | | | | | | Buruh Lokal | 1 | 4.68000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 6.24000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 4.68000 | U.H |
| | | | | | | Kamera Digital | 1 | 4.68000 | U.H |
| | | | | | | Kapal | 1 | 4.68000 | U.H |
| | | | | | | Laptop | 4 | 6.24000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.5. | Pengumpulan Nama Unsur Rupabumi | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.58500 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.58500 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | | | Koordinator Survey Kelengkapan Lapangan | 1 | 1.17000 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 7.02000 | O.H |
| | | | | | | Buruh Lokal | 1 | 7.02000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 9.36000 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 7.02000 | U.H |
| | | | | | | Kamera Digital | 1 | 7.02000 | U.H |
| | | | | | | Laptop | 4 | 9.36000 | U.H |
| | | | | | | Mobil | 1 | 7.02000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.01389 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.01389 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.02778 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.16667 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.22222 | U.H |
| | | | | | | GPS Mapping dan | 1 | 0.16667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|--|--------------------|-----------|--------|
| | | | | | | Kelengkapannya | | | |
| | | | | | | Kamera Digital | 1 | 0.16667 | U.H |
| | | | | | | Laptop | 4 | 0.22222 | U.H |
| | | | | | | Mobil | 1 | 0.16667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.02083 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.02083 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.04167 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.25000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.25000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.25000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.25000 | U.H |
| | | | | | | Laptop | 4 | 0.33333 | U.H |
| | | | | | | Mobil | 1 | 0.25000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---|-------------------|--------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.04167 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.04167 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.08333 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.50000 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.66667 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.50000 | U.H |
| | | | | | | Kamera Digital | 1 | 0.50000 | U.H |
| | | | | | | Laptop | 4 | 0.66667 | U.H |
| | | | | | | Kapal | 1 | 0.50000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.16667 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.00000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Buruh Lokal | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 1.33333 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1 | 1.00000 | U.H |
| | | | | | | Laptop | 4 | 1.33333 | U.H |
| | | | | | | Mobil | 1 | 1.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.01984 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.01984 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.03968 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.23810 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.23810 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.31746 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.23810 | U.H |
| | | | | | | Kamera Digital | 1 | 0.23810 | U.H |
| | | | | | | Laptop | 4 | 0.31746 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Mobil | 1 | 0.23810 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.02976 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.02976 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.05952 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.35714 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.35714 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.47619 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.35714 | U.H |
| | | | | | | Kamera Digital | 1 | 0.35714 | U.H |
| | | | | | | Laptop | 4 | 0.47619 | U.H |
| | | | | | | Mobil | 1 | 0.35714 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi | Hasil Uji | Titik | Personil | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------|--------|---|--------------------|-----------|--------|
| | | | (dengan kesulitan aksesibilitas berat, cuaca buruk) | Akurasi | | Ketua Tim | 1 | 0.05952 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.05952 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.11905 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 0.71429 | O.H |
| | | | | | | Buruh Lokal | 1 | 0.71429 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 4 | 0.95238 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 0.71429 | U.H |
| | | | | | | Kamera Digital | 1 | 0.71429 | U.H |
| | | | | | | Laptop | 4 | 0.95238 | U.H |
| | | | | | | Kapal | 1 | 0.71429 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.6. | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.11905 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.11905 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 0.23810 | O.H |
| | | | | | | Operator Kelengkapan Lapangan | 1 | 1.42857 | O.H |
| | | | | | | Buruh Lokal | 1 | 1.42857 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|---------------------|-----------------|--------|--|--------------------|-----------|--------|
| | | | | | | Akomodasi | 4 | 1.90476 | U.H |
| | | | | | | GPS Mapping dan Kelengkapannya | 1 | 1.42857 | U.H |
| | | | | | | Kamera Digital | 1 | 1.42857 | U.H |
| | | | | | | Laptop | 4 | 1.90476 | U.H |
| | | | | | | Mobil | 1 | 1.42857 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.7. | Pengolahan Data SKL | Geodatabase SKL | NLP | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.10417 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.10417 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 0.20833 | O.H |
| | | | | | | Operator Survey Kelengkapan Lapangan | 1 | 1.25000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 1 | 1.25000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 5 | 2.91667 | U.H |
| | | | | | | Laptop | 5 | 2.91667 | U.H |
| | | | | | | Scanner A4 | 1 | 1.25000 | U.H |
| | | | | | | Software GIS | 3 | 2.70833 | U.H |
| | | | | | | Software GPS | 3 | 2.70833 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|-----------|--------------|-------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | ATK | 0.0033333 | 0.00333 | Set |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.8. | Demobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | | |
| | | | | | | Ketua Tim | 1 | | O.H |
| | | | | | | Staf Administrasi | 1 | | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1 | 1.00000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Mobil (Kantor-Bandara & Bandara Basecamp) | 2 | 2.00000 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) | 3 | 3.00000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.8.10. | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Survei Kelengkapan Lapangan | 1 | 2.00000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|--------|-------------------|----------|-----------------------------|------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A0 | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.9. | Penyelarasan Data | A.5.9.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 0.16667 | O.H |
| | | | | | | Operator Penyelarasan Data | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|--|-----------|---|--------------------|-----------|--------|
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.9.2. | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.20833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.20833 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 0.41667 | O.H |
| | | | | | | Operator Penyelarasan Data | 1 | 2.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.41667 | U.H |
| | | | | | | PC Workstation | 2 | 2.91667 | U.H |
| | | | | | | Software GIS | 2 | 2.91667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.41667 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.41667 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 0.83333 | O.H |
| | | | | | | Operator Penyelarasan Data | 1 | 5.00000 | O.H |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan | | | |
|----------|--------------|---|---------------------------|---------|-----------|---|--|-----------|-------------------------------|---|---------|-----|
| | | | Fitur Data : Sedang) | | | a) Jumlah | | | | | | |
| | | | | | | Alat | | | | | | |
| | | | | | | Laptop | 2 | 0.83333 | U.H | | | |
| | | | | | | PC Workstation | 2 | 5.83333 | U.H | | | |
| | | | | | | Software GIS | 2 | 5.83333 | U.H | | | |
| | | | | | | b) Jumlah | | | | | | |
| | | | | | | Bahan | | | | | | |
| | | | | | | c) Jumlah | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (25K) | Personil | | | |
| | | | | | | | | | Ketua Tim | 1 | 0.62500 | O.H |
| | | | | | | | | | Staf Administrasi | 1 | 0.62500 | O.H |
| | | | | | | | | | Koordinator Penyelarasan Data | 1 | 1.25000 | O.H |
| | | | | | | | | | Operator Penyelarasan Data | 1 | 7.50000 | O.H |
| | | | | | | | | | a) Jumlah | | | |
| | | Alat | | | | | | | | | | |
| | | Laptop | 2 | 1.25000 | U.H | | | | | | | |
| | | PC Workstation | 2 | 8.75000 | U.H | | | | | | | |
| | | Software GIS | 2 | 8.75000 | U.H | | | | | | | |
| | | b) Jumlah | | | | | | | | | | |
| | | Bahan | | | | | | | | | | |
| | | c) Jumlah | | | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | |
| A.5.9.3. | Edgematching | | Geodatabase IG Unsur Peta | | NLP (25K) | Personil | | | | | | |
| | | | | | | Ketua Tim | 1 | 0.10000 | O.H | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|-------------------------------|---|-------------------|---|--------------------|-----------|--------|
| | | | | Dasar (Seamless) | | Staf Administrasi | 1 | 0.10000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 0.20000 | O.H |
| | | | | | | Operator Penyelarasan Data | 1 | 1.20000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.20000 | U.H |
| | | | | | | PC Workstation | 2 | 1.40000 | U.H |
| | | | | | | Software GIS | 2 | 1.40000 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.9.4. | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.20833 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.20833 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 0.41667 | O.H |
| | | | | | | Operator Penyelarasan Data | 1 | 2.50000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.41667 | U.H |
| | | | | | | PC Workstation | 2 | 2.91667 | U.H |
| | | | | | | Software GIS | 2 | 2.91667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | c) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|---------|----------------------|-----------|-----------------------------|------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.9.5. | Pelaporan | Laporan Penyelarasan Data | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.10. | Pembentukan Metadata | A.5.10.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Metadata | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|-----------|----------------------|---|-------------|--|--------------------|-----------|--------|
| | | | | | | Laptop | 2 | 0.16667 | U.H |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.10.2. | Pembentukan Metadata | Metadata yang telah dimasukkan dalam Geodatabase (merujuk pada ISO 19115) | Geodatabase | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 0.16667 | O.H |
| | | | | | | Operator Pembentukan Metadata | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H |
| | | | | | | Software GIS | 2 | 1.16667 | U.H |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|---------|---------------------------|-----------|-----------------------------|------------------------------------|---------|---|--------------------|-----------|--------|
| | | | | | | Tahapan (a+b+c) | | | |
| | | A.5.10.3. | Pelaporan | Laporan Pembuatan Metadata | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| A.5.11. | Penyajian Hasil Pekerjaan | A.5.11.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.08333 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1 | 0.16667 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 1 | 1.00000 | O.H |
| | | | | | | a) Jumlah | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|--|-------------------------------------|--------|---|--------------------|-----------|--------|
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.16667 | U.H. |
| | | | | | | PC Workstation | 2 | 1.16667 | U.H. |
| | | | | | | Plotter | 1 | 1.00000 | U.H. |
| | | | | | | Printer | 1 | 1.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 1.00000 | U.H. |
| | | | | | | Software GIS | 2 | 1.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.02 | 0.02000 | Rim |
| | | | | | | Tinta Printer | 0.002 | 0.00200 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.11.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout dalam format yang ditentukan | GDB | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.01190 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.01190 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1 | 0.02381 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 1 | 0.14286 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.02381 | U.H. |
| | | | | | | PC Workstation | 2 | 0.16667 | U.H. |
| | | | | | | Software GIS | 2 | 0.16667 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|----------|----------------------------|---------------------------------------|--------|---|--------------------|-----------|-----------|
| | | | | | | | | | |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | A.5.11.3 | Pencetakan Hasil Pekerjaan | hasil pekerjaan dalam format hardcopy | GDB | Personil | | | |
| | | | | | | Ketua Tim | 1 | 0.00595 | O.H |
| | | | | | | Staf Administrasi | 1 | 0.00595 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1 | 0.01190 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 1 | 0.07143 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 0.01190 | U.H. |
| | | | | | | PC Workstation | 2 | 0.08333 | U.H. |
| | | | | | | Plotter | 1 | 0.07143 | U.H. |
| | | | | | | Software GIS | 2 | 0.08333 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas Peta | 3 | 3.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.0006 | 0.00060 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|-------------------|---------|----------|-------------|-----------------------------------|---------|---|--------------------|-------------------|-------------------|
| | | A.5.11.4 | Pelaporan | Laporan Penyajian hasil pekerjaan | Dokumen | Personil | | | |
| | | | | Album peta (draft dan akhir) | | Ketua Tim | 1 | 2.00000 | O.H |
| | | | | soft copy data | | Staf Administrasi | 1 | 2.00000 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1 | 2.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Harddisk Eksternal | 0 | 0.00000 | U.H. |
| | | | | | | Laptop | 2 | 4.00000 | U.H. |
| | | | | | | PC Workstation | 1 | 2.00000 | U.H. |
| | | | | | | Printer | 1 | 2.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Kertas HVS A4 | 0.2 | 0.20000 | Rim |
| | | | | | | Tinta Printer | 0.02 | 0.02000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | |
| | | | | A.5.12. | | Pelaporan | A.5.12.1. | Kompilasi Laporan | Kompilasi Laporan |
| Ketua Tim | 1 | 5.00000 | O.H | | | | | | |
| Staf Administrasi | 1 | 5.00000 | O.H | | | | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|---|--------------------|-----------|---------|
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1 | 5.00000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1 | 5.00000 | O.H |
| | | | | | | Koordinator Pembentukan DTM | | 0.00000 | O.H |
| | | | | | | Koordinator Pembentukan Kontur dan Spotheight | | 0.00000 | OH |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1 | 5.00000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | | 0.00000 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1 | 5.00000 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | | 0.00000 | O.H |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 2 | 10.00000 | U.H. |
| | | | | | | PC Workstation | 5 | 20.00000 | U.H. |
| | | | | | | Printer | 1 | 5.00000 | U.H. |
| | | | | | | Scanner A4 | 1 | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | | |
| | | | | | | Bahan | | | |
| | | | | | | ATK | 1 | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1 | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3 | 3.00000 | Rangkap |
| | | | | | | Tinta Printer | 1 | 1.00000 | Paket |
| | | | | | | c) Jumlah | | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | | |

| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Jumlah dalam 1 Tim | Koefisien | Satuan |
|------|---------|------|-------------|--------|--------|-----------------|--------------------|-----------|--------|
| | | | | | | Tahapan (a+b+c) | | | |





Analisis Biaya Keluaran Kegiatan

g. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun wilayah tersebut

masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Kepadatan Fitur

Kepadatan fitur data diklasifikasikan berdasarkan luasan tutupan lahan bangunan dan atau sawah yang menutupi blok pekerjaan.

Jarang : Tutupan lahan bangunan dan atau sawah mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan atau sawah mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan atau sawah mencakup >60% blok pekerjaan

4. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

5. Kepadatan Administrasi

Faktor Kepadatan Administrasi diklasifikasikan berdasarkan jumlah desa per luasan 5.3 Km².

Jarang : Jika rerata jumlah desa per Luasan 5.3 Km² kurang dari 4 desa

Padat : Jika rerata jumlah desa per Luasan 5.3 Km² sama dengan atau lebih dari 4 desa

6. Topografi

Faktor topografi wilayah didasarkan pada persentase kemiringan lereng.

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

Tabel berikut menunjukkan besaran koefisien pada Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi:

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|-----------|---------|-----------------------------|---------------------------|---------|-------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.6.1. | Persiapan | A.6.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.000000 0 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|------|-------------|------------------------------|--------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | n Kesiapan Alat dan Personil | | Staf Administrasi | 4.000000 0 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1.333333 3 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.333333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.333333 3 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1.333333 3 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1.333333 3 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.333333 3 | O.H |
| | | | | | | Alat | | |
| | | | | | | Digital Stereoplotting PC Workstation | 0.000000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.000000 0 | U.H |
| | | | | | | Kamera Digital | 0.000000 0 | U.H |
| | | | | | | Laptop | 1.000000 0 | U.H |
| | | | | | | PC Workstation | 0.000000 0 | U.H |
| | | | | | | Plotter A0 | 0.000000 0 | U.H. |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A0 | 0.000000 0 | U.H. |
| | | | | | | Scanner A4 | 0.000000 0 | U.H. |
| | | | | | | Software GIS | 0.000000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|--|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Software Stereoplotting | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil dan indeks pekerjaan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.666666 7 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.666666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.666666 7 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.666666 7 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 0.666666 7 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.666666 7 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 4.000000 0 | U.H. |
| | | | | | | Plotter A0 | 2.000000 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|-------------|----------------------|---------|--------------------|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Software GIS | 4.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 2.000000 0 | lembar A0 |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | Tinta Plotter | 0.000400 0 | Paket |
| | | A.6.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|----------------|---------|-----------------------------|------------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.2. | Penyiapan Data | A.6.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.166666 7 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H. |
| | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 0.666666 7 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.2.2 | Penyiapan | Formulir | Dokumen | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|-------------|-------------------------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data | Checklist Hasil Kesiapan Data | | Ketua Tim | 0.0833333 | O.H |
| | | | | | | Staf Administrasi | 3 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.1666667 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.1666667 | U.H. |
| | | | | | | PC Workstation | 0.6666667 | U.H. |
| | | | | | | Printer | 1.0000000 | U.H. |
| | | | | | | Scanner A4 | 1.0000000 | U.H. |
| | | | | | | Software GIS | 0.6666667 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |
| | | | | | | Kertas HVS A4 | | Rim |
| | | | | | | Tinta Printer | | Paket |
| | | A.6.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 0 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 2.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|------------------------------|---------|-----------------------------|------------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.3. | Digitasi 2D Unsur Peta Dasar | A.6.3.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.166666 7 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H. |
| | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|--|----------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 0.666666 7 | U.H. |
| | | | | | | Software Stereoplotting | 0.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.3.2 | Digitasi IG Unsur Peta Dasar (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG unsur peta dasar, Geodatabase breakline | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.333333 3 | O.H |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 2.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.333333 3 | U.H. |
| | | | | | | PC Workstation | 1.333333 3 | U.H. |
| | | | | | | Software GIS | 1.333333 3 | U.H. |
| | | | | | | Software Stereoplotting | 0.000000 0 | U.H. |
| | | | Digitasi IG Unsur Peta Dasar (Tingkat | Geodatabase IG unsur peta dasar, Geodataba | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.250000 0 | O.H |
| | | | | | | Staf Administrasi | 0.250000 0 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | | | | | | | |
|--|---------|--|--------------------------------|--------------------------------|---------|--|---------------|--------|---------------|------|--|----------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | |
| | | | Kepadatan Fitur Data : Sedang) | se breakline | | Koordinator Digitasi 2D Unsur Peta Dasar | 0.500000 0 | O.H | | | | | | |
| | | | | | | Operator Digitasi 2D Unsur Peta Dasar | 3.000000 0 | O.H | | | | | | |
| | | | | | | Alat | | | | | | | | |
| | | | | | | Laptop | 0.500000 0 | U.H. | | | | | | |
| | | | | | | PC Workstation | 2.000000 0 | U.H. | | | | | | |
| | | | | | | Software GIS | 2.000000 0 | U.H. | | | | | | |
| | | | | | | Software Stereoplotting | 0.000000 0 | U.H. | | | | | | |
| | | | | | | Personil | | | | | | | | |
| | | | | | | Digitasi IG Unsur Peta Dasar | | | | | | NLP (5K) | | |
| | | | | | | (Tingkat Kepadatan Fitur Data : Padat) | | | | | | | | |
| | | Geodatase IG unsur peta dasar, Geodatase breakline | | | | | | | | | | | | |
| | | Ketua Tim | | | | | | | 0.333333 3 | O.H | | | | |
| | | Staf Administrasi | | | | | | | 0.333333 3 | O.H | | | | |
| | | Koordinator Digitasi 2D Unsur Peta Dasar | | | | | | | 0.666666 7 | O.H | | | | |
| | | Operator Digitasi 2D Unsur Peta Dasar | | | | | | | 4.000000 0 | O.H | | | | |
| | | Alat | | | | | | | | | | | | |
| | | Laptop | | | | | | | 0.666666 7 | U.H. | | | | |
| | | PC Workstation | | | | | | | 2.666666 7 | U.H. | | | | |
| | | Software GIS | | | | | | | 2.666666 7 | U.H. | | | | |
| | | Software Stereoplotting | | | | | | | 0.000000 0 | U.H. | | | | |
| A.6.3.3 | | Pelaporan | | Laporan Digitasi IG Unsur Peta | Dokumen | Personil | | | | | | | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H | | | | | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|----------------------------------|---------|-----------------------------|------------------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Dasar | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 2.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.4. | Pembentukan Topologi dan Poligon | A.6.4.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.166666 7 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|---|----------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 7 | |
| | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 0.666666 7 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.4.2 | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.166666 7 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H. |
| | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | Software GIS | 0.666666 7 | U.H. |
| | | | Pembentuk | Geodatabase | NLP (5K) | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|---|----------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | an Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | se dengan topologi (clean topology dan Seamless) | | Ketua Tim | 0.1250000 | O.H |
| | | | | | | Staf Administrasi | 0.1250000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.2500000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.5000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2500000 | U.H. |
| | | | | | | PC Workstation | 1.0000000 | U.H. |
| | | | | | | Software GIS | 1.0000000 | U.H. |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1666667 | O.H |
| | | | | | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | Software GIS | 1.3333333 | U.H. |
| | | A.6.4.3 | Pembentukan dan | Geodatabase dengan | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.0833333 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|------|---|--|----------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Editing Poligon | fitur-fitur poligon beserta atribut (Seamless). | | | 3 | |
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | | | Staf Administrasi | 0.083333 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.166666 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 | U.H. |
| | | | | | | PC Workstation | 0.666666 | U.H. |
| | | | | | | Software GIS | 0.666666 | U.H. |
| | | | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 0.125000 | O.H |
| | | | | | | Staf Administrasi | 0.125000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.250000 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 1.500000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.250000 | U.H. |
| | | | | | | PC Workstation | 1.000000 | U.H. |
| | | | | Software GIS | 1.000000 | U.H. | | |
| | | | Pembentukan dan Editing | Geodatabase dengan fitur-fitur | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.166666 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|--|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Poligon (Tingkat Kepadatan Fitur Data : Padat) | poligon beserta atribut (Seamless). | | Staf Administrasi | 0.1666667 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.3333333 | O.H |
| | | | | | | Operator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3333333 | U.H. |
| | | | | | | PC Workstation | 1.3333333 | U.H. |
| | | | | | | Software GIS | 1.3333333 | U.H. |
| | | A.6.4.4 | Pelaporan | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 2.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.0000000 | U.K. |
| | | | | | | Laptop | 4.0000000 | U.H. |
| | | | | | | PC Workstation | 2.0000000 | U.H. |
| | | | | | | Printer | 2.0000000 | U.H. |
| | | | | | | Scanner A4 | 2.0000000 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000000 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|------------------|---------|--|------------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.5. | Persiapan Survey | A.6.5.1 | Persiapan Alat dan Personil Persiapan Survei | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.833333 3 | U.H |
| | | | | | | Plotter A0 | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 0.666666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.5.2 | Mobilisasi | | NLP | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|------------------------------------|-------------|---------|--|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) PP | 2.000000 0 | O.K. |
| | | A.6.5.3 | Koordinasi dengan Instansi Terkait | Ijin Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 5.000000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.000000 00 | U.H |
| | | | | | | Laptop | 10.000000 00 | U.H |
| | | | | | | Mobil | 5.000000 0 | U.H |
| | | | | | | Printer | 5.000000 0 | U.H |
| | | | | | | Scanner A4 | 5.000000 0 | U.H. |
| | | | | | | Bahan | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---------------------------|-----------------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 0.250000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.5.4 | Demobilisasi | | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) PP | 2.000000 0 | O.K. |
| | | A.6.5.5 | Pengumpulan Data Sekunder | Batas Wilayah, Toponim, dsb | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.333333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.333333 3 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|----------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1.333333 3 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Software GIS | 1.333333 3 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.250000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.5.6 | Pembentukan Peta Manuskrip (dengan kepadatan objek rendah) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.083333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.083333 3 | U.H. |
| | | | | | | PC Workstation | 0.333333 3 | U.H. |
| | | | | | | Plotter A0 | 0.500000 0 | U.H |
| | | | | | | Printer | 0.500000 0 | U.H |
| | | | | | | Software GIS | 0.333333 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|----------------|--------|---|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 3 | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.005000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | Tinta Plotter | 0.000400 0 | paket |
| | | | | | | Kertas Peta | 4.000000 0 | lembar A0 |
| | | A.6.5.6 | Pembentukan Peta Manuskrip (dengan kepadatan objek sedang) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.054166 7 | O.H |
| | | | | | | Staf Administrasi | 0.054166 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.108333 4 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.650000 7 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.108333 4 | U.H. |
| | | | | | | PC Workstation | 0.433333 8 | U.H. |
| | | | | | | Plotter A0 | 0.650000 7 | U.H |
| | | | | | | Printer | 0.650000 7 | U.H |
| | | | | | | Software GIS | 0.433333 8 | U.H. |
| | | | | | | Bahan | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|----------------|--------|---|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 0.005000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | Tinta Plotter | 0.000400 0 | paket |
| | | | | | | Kertas Peta | 4.000000 0 | lembar A0 |
| | | A.6.5.6 | Pembentukan Peta Manuskrip (dengan kepadatan objek padat) | Peta Manuskrip | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.069999 8 | O.H |
| | | | | | | Staf Administrasi | 0.069999 8 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.139999 6 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.839997 3 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.139999 6 | U.H. |
| | | | | | | PC Workstation | 0.559998 2 | U.H. |
| | | | | | | Plotter A0 | 0.839997 3 | U.H |
| | | | | | | Printer | 0.839997 3 | U.H |
| | | | | | | Software GIS | 0.559998 2 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.005000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--------------------------------|----------------------|---------|---|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | Tinta Plotter | 0.000400 0 | paket |
| | | | | | | Kertas Peta | 4.000000 0 | lembar A0 |
| | | A.6.5.7 | Pembuatan Rencana Detil Survei | Rencana Detil Survei | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.500000 0 | O.H |
| | | | | | | Staf Administrasi | 0.500000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.000000 0 | U.H. |
| | | | | | | PC Workstation | 1.000000 0 | U.H. |
| | | | | | | Plotter A0 | 1.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 1.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.250000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|------------------------|--|---------|---|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | | | | | Tinta Plotter | 0.000400 0 | paket |
| | | | | | | Kertas Peta | 2.000000 0 | lembar A0 |
| | | A.6.5.8 | Pencetakan Formulir | Formulir | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H. |
| | | | | | | PC Workstation | 0.666666 7 | U.H. |
| | | | | | | Printer | 1.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.5.9 | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan | 2.000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|-----------------------------|---------|-----------------------------|----------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Lapangan | 0 | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.6. | Survey Kelengkapan Lapangan | A.6.6.1 | Persiapan Alat dan Personil | Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|-------------|--------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.333333 3 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A0 | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 0 | U.H |
| | | | | | | Software GIS | 1.166666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.6.2 | Mobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | |
| | | | | | | Ketua Tim | 0.000000 0 | O.H |
| | | | | | | Staf Administrasi | 0.000000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.00000 00 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.000000 0 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.000000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|------------------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Tiket Transportasi (Koordinator & Operator) PP | 13.000000 | O.K. |
| | | | Mobilisasi Lokal (Kapal) | Sewa Kapal | | Alat | | |
| | | | | | | Kapal | 1.000000 | U.H |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0416667 | O.H |
| | | | | | | Staf Administrasi | 0.0416667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0833333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.5000000 | O.H |
| | | | | | | Buruh Lokal | 0.5000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.5833333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.5000000 | U.H |
| | | | | | | Kamera Digital | 0.5000000 | U.H |
| | | | | | | Laptop | 0.6666667 | U.H |
| | | | | | | Mobil | 0.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.3 | Verifikasi Unsur | Unsur Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0500000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca baik) | terverifikasi | | | 0 | |
| | | | | | | Staf Administrasi | 0.050000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.100000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.600000 | O.H |
| | | | | | | Buruh Lokal | 0.600000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.700000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.600000 | U.H |
| | | | | | | Kamera Digital | 0.600000 | U.H |
| | | | | | | Laptop | 0.800000 | U.H |
| | | | | | | Mobil | 0.000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.058333 | O.H |
| | | | | | | Staf Administrasi | 0.058333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.116666 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.700000 | O.H |
| | | | | | | Buruh Lokal | 0.700000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.8166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.7000000 | U.H |
| | | | | | | Kamera Digital | 0.7000000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 0.9333333 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0666667 | O.H |
| | | | | | | Staf Administrasi | 0.0666667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.8000000 | O.H |
| | | | | | | Buruh Lokal | 0.8000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.9333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.8000000 | U.H |
| | | | | | | Kamera Digital | 0.8000000 | U.H |
| | | | | | | Laptop | 1.0666667 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.054166 7 | O.H |
| | | | | | | Staf Administrasi | 0.054166 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.108333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.650000 0 | O.H |
| | | | | | | Buruh Lokal | 0.650000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.758333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.650000 0 | U.H |
| | | | | | | Kamera Digital | 0.650000 0 | U.H |
| | | | | | | Laptop | 0.866666 7 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.065000 0 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (dengan kesulitan aksesibilitas sedang, kepadatan objek sedang, cuaca buruk) | i | | Staf Administrasi | 0.065000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.130000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.780000 0 | O.H |
| | | | | | | Buruh Lokal | 0.780000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.910000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.780000 0 | U.H |
| | | | | | | Kamera Digital | 0.780000 0 | U.H |
| | | | | | | Laptop | 1.040000 0 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.075833 3 | O.H |
| | | | | | | Staf Administrasi | 0.075833 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.151666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.910000 0 | O.H |
| | | | | | | Buruh Lokal | 0.910000 0 | O.H |
| | | | | | | Alat | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Akomodasi | 1.0616667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.9100000 | U.H |
| | | | | | | Kamera Digital | 0.9100000 | U.H |
| | | | | | | Kapal | 0.0000000 | U.H |
| | | | | | | Laptop | 1.2133333 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.3 | Verifikasi Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Unsur Rupabumi terverifikasi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0866667 | O.H |
| | | | | | | Staf Administrasi | 0.0866667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1733333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.0400000 | O.H |
| | | | | | | Buruh Lokal | 1.0400000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.2133333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.0400000 | U.H |
| | | | | | | Kamera Digital | 1.0400000 | U.H |
| | | | | | | Laptop | 1.3866667 | U.H |
| | | | | | | Mobil | 0.0000000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.166666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.333333 3 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | Staf Administrasi | 0.166666 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|----------|--------|--|-------------------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca baik) | | | | 7 | |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.000000 | O.H |
| | | | | | | Buruh Lokal | 2.000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.000000 | U.H |
| | | | | | | Kamera Digital | 2.000000 | U.H |
| | | | | | | Laptop | 2.666666 | U.H |
| | | | | | | Mobil | 0.000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 | Set |
| | | A.6.6.4 | | | | Identifikasi Batas Wilayah Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP |
| | | | Ketua Tim | 0.250000 | O.H | | | |
| | | | Staf Administrasi | 0.250000 | O.H | | | |
| | | | Koordinator Survey Kelengkapan Lapangan | 0.500000 | O.H | | | |
| | | | Operator Survei Kelengkapan Lapangan | 3.000000 | O.H | | | |
| | | | Buruh Lokal | 3.000000 | O.H | | | |
| | | | Alat | | | | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Akomodasi | 3.500000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.000000 0 | U.H |
| | | | | | | Kamera Digital | 3.000000 0 | U.H |
| | | | | | | Kapal | 0.000000 0 | U.H |
| | | | | | | Laptop | 4.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.333333 3 | O.H |
| | | | | | | Staf Administrasi | 0.333333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.666666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.000000 0 | O.H |
| | | | | | | Buruh Lokal | 4.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.666666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.000000 0 | U.H |
| | | | | | | Kamera Digital | 4.000000 0 | U.H |
| | | | | | | Laptop | 5.333333 3 | U.H |
| | | | | | | Mobil | 0.000000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.108333 3 | O.H |
| | | | | | | Staf Administrasi | 0.108333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.216666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.300000 0 | O.H |
| | | | | | | Buruh Lokal | 1.300000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.516666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.300000 0 | U.H |
| | | | | | | Kamera Digital | 1.300000 0 | U.H |
| | | | | | | Laptop | 1.733333 3 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.216666 7 | O.H |
| | | | | | | Staf Administrasi | 0.216666 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas sedang, kepadatan objek padat, cuaca buruk) | | | | 7 | |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.4333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.6000000 | O.H |
| | | | | | | Buruh Lokal | 2.6000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.0333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.6000000 | U.H |
| | | | | | | Kamera Digital | 2.6000000 | U.H |
| | | | | | | Laptop | 3.4666667 | U.H |
| | | | | | | Bahan | | |
| | | | ATK | 0.0040000 | Set | | | |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3250000 | O.H |
| | | | | | | Staf Administrasi | 0.3250000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.9000000 | O.H |
| | | | | | | Buruh Lokal | 3.9000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.5500000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.900000 0 | U.H |
| | | | | | | Kamera Digital | 3.900000 0 | U.H |
| | | | | | | Kapal | 0.000000 0 | U.H |
| | | | | | | Laptop | 5.200000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.433333 3 | O.H |
| | | | | | | Staf Administrasi | 0.433333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.866666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.200000 0 | O.H |
| | | | | | | Buruh Lokal | 5.200000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 6.066666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 5.200000 0 | U.H |
| | | | | | | Kamera Digital | 5.200000 0 | U.H |
| | | | | | | Laptop | 6.933333 3 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.083333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.500000 0 | O.H |
| | | | | | | Buruh Lokal | 0.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.583333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.500000 0 | U.H |
| | | | | | | Kamera Digital | 0.500000 0 | U.H |
| | | | | | | Laptop | 0.666666 7 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kepadatan objek jarang, cuaca baik) | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.166666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.333333 3 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.125000 0 | O.H |
| | | | | | | Staf Administrasi | 0.125000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.250000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.500000 0 | O.H |
| | | | | | | Buruh Lokal | 1.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.750000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.500000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kamera Digital | 1.500000 0 | U.H |
| | | | | | | Kapal | 0.000000 0 | U.H |
| | | | | | | Laptop | 2.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.166666 7 | O.H |
| | | | | | | Staf Administrasi | 0.166666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.333333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.000000 0 | O.H |
| | | | | | | Buruh Lokal | 2.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.333333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.000000 0 | U.H |
| | | | | | | Kamera Digital | 2.000000 0 | U.H |
| | | | | | | Laptop | 2.666666 7 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0541667 | O.H |
| | | | | | | Staf Administrasi | 0.0541667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1083333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.6500000 | O.H |
| | | | | | | Buruh Lokal | 0.6500000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.7583333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 0.6500000 | U.H |
| | | | | | | Kamera Digital | 0.6500000 | U.H |
| | | | | | | Laptop | 0.8666667 | U.H |
| | | | | | | Mobil | 0.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sedang, kepadatan objek | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | jarang, cuaca buruk) | | | Buruh Lokal | 1.300000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.516666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.300000 0 | U.H |
| | | | | | | Kamera Digital | 1.300000 0 | U.H |
| | | | | | | Laptop | 1.733333 3 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.162500 0 | O.H |
| | | | | | | Staf Administrasi | 0.162500 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.325000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.950000 0 | O.H |
| | | | | | | Buruh Lokal | 1.950000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.275000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.950000 0 | U.H |
| | | | | | | Kamera Digital | 1.950000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.000000 0 | U.H |
| | | | | | | Laptop | 2.600000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.4 | Identifikasi Batas Wilayah (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Batas Wilayah Indikatif | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.216666 7 | O.H |
| | | | | | | Staf Administrasi | 0.216666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.433333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.600000 0 | O.H |
| | | | | | | Buruh Lokal | 2.600000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.033333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.600000 0 | U.H |
| | | | | | | Kamera Digital | 2.600000 0 | U.H |
| | | | | | | Laptop | 3.466666 7 | U.H |
| | | | | | | Mobil | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpul | Nama | NLP | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | an Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca baik) | Unsur Rupabumi Terkumpul | | Ketua Tim | 0.7500000 | O.H |
| | | | | | | Staf Administrasi | 0.7500000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.5000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 9.0000000 | O.H |
| | | | | | | Buruh Lokal | 9.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.5000000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 9.0000000 | U.H |
| | | | | | | Kamera Digital | 9.0000000 | U.H |
| | | | | | | Laptop | 12.0000000 | U.H |
| | | | | | | Mobil | 9.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan objek) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.8333333 | O.H |
| | | | | | | Staf Administrasi | 0.8333333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.6666667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 10.0000000 | O.H |
| | | | | | | Buruh Lokal | 10.0000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | padat, cuaca baik) | | | | 00 | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 11.6666667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 10.0000000 | U.H |
| | | | | | | Kamera Digital | 10.0000000 | U.H |
| | | | | | | Laptop | 13.3333333 | U.H |
| | | | | | | Mobil | 10.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.9166667 | O.H |
| | | | | | | Staf Administrasi | 0.9166667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.8333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 11.0000000 | O.H |
| | | | | | | Buruh Lokal | 11.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.8333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 11.0000000 | U.H |
| | | | | | | Kamera Digital | 11.0000000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.110000 0 | U.H |
| | | | | | | Mobil | 10.89000 00 | U.H |
| | | | | | | Laptop | 14.66666 67 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.000000 0 | O.H |
| | | | | | | Staf Administrasi | 1.000000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.000000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.00000 00 | O.H |
| | | | | | | Buruh Lokal | 12.00000 00 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 14.00000 00 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 12.00000 00 | U.H |
| | | | | | | Kamera Digital | 12.00000 00 | U.H |
| | | | | | | Laptop | 16.00000 00 | U.H |
| | | | | | | Mobil | 12.00000 00 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.975000 | O.H |
| | | | | | | Staf Administrasi | 0.975000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.950000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 11.700000 | O.H |
| | | | | | | Buruh Lokal | 11.700000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 13.650000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 11.700000 | U.H |
| | | | | | | Kamera Digital | 11.700000 | U.H |
| | | | | | | Laptop | 15.600000 | U.H |
| | | | | | | Mobil | 11.700000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.083333 | O.H |
| | | | | | | Staf Administrasi | 1.083333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.166666 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 13.000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek padat, cuaca buruk) | | | Buruh Lokal | 13.000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 15.166667 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 13.000000 | U.H |
| | | | | | | Kamera Digital | 13.000000 | U.H |
| | | | | | | Laptop | 17.333333 | U.H |
| | | | | | | Mobil | 13.000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.191667 | O.H |
| | | | | | | Staf Administrasi | 1.191667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.383333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 14.300000 | O.H |
| | | | | | | Buruh Lokal | 14.300000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 16.683333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 14.300000 | U.H |
| | | | | | | Kamera Digital | 14.300000 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.143000 0 | U.H |
| | | | | | | Mobil | 14.15700 00 | U.H |
| | | | | | | Laptop | 19.06666 67 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek padat, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.300000 0 | O.H |
| | | | | | | Staf Administrasi | 1.300000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.600000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 15.60000 00 | O.H |
| | | | | | | Buruh Lokal | 15.60000 00 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 18.20000 00 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 15.60000 00 | U.H |
| | | | | | | Kamera Digital | 15.60000 00 | U.H |
| | | | | | | Laptop | 20.80000 00 | U.H |
| | | | | | | Mobil | 15.60000 00 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.4166667 | O.H |
| | | | | | | Staf Administrasi | 0.4166667 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.8333333 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.0000000 | O.H |
| | | | | | | Buruh Lokal | 5.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.8333333 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 5.0000000 | U.H |
| | | | | | | Kamera Digital | 5.0000000 | U.H |
| | | | | | | Laptop | 6.6666667 | U.H |
| | | | | | | Mobil | 5.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.5000000 | O.H |
| | | | | | | Staf Administrasi | 0.5000000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 6.0000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek sedang, cuaca baik) | | | Buruh Lokal | 6.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 7.000000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 6.000000 0 | U.H |
| | | | | | | Kamera Digital | 6.000000 0 | U.H |
| | | | | | | Laptop | 8.000000 0 | U.H |
| | | | | | | Mobil | 6.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.583333 3 | O.H |
| | | | | | | Staf Administrasi | 0.583333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 7.000000 0 | O.H |
| | | | | | | Buruh Lokal | 7.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 8.166666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 7.000000 0 | U.H |
| | | | | | | Kamera Digital | 7.000000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.070000 0 | U.H |
| | | | | | | Mobil | 6.930000 0 | U.H |
| | | | | | | Laptop | 9.333333 3 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.666666 7 | O.H |
| | | | | | | Staf Administrasi | 0.666666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.333333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 8.000000 0 | O.H |
| | | | | | | Buruh Lokal | 8.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.333333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 8.000000 0 | U.H |
| | | | | | | Kamera Digital | 8.000000 0 | U.H |
| | | | | | | Laptop | 10.666666 67 | U.H |
| | | | | | | Mobil | 8.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | | |
|--|---------|--------------|--|---|-------------------------------|---|---|-----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 0.5416667 | O.H | |
| | | | | | | Staf Administrasi | 0.5416667 | O.H | |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0833333 | O.H | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 6.5000000 | O.H | |
| | | | | | | Buruh Lokal | 6.5000000 | O.H | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 7.5833333 | U.H | |
| | | | | | | GPS Handheld dan Kelengkapannya | 6.5000000 | U.H | |
| | | | | | | Kamera Digital | 6.5000000 | U.H | |
| | | | | | | Laptop | 8.6666667 | U.H | |
| | | | | | | Mobil | 6.5000000 | U.H | |
| | | Bahan | | | | | | | |
| | | ATK | 0.0040000 | Set | | | | | |
| | | A.6.6.5 | | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.6500000 | O.H |
| | | | | | | | Staf Administrasi | 0.6500000 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 7.8000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek sedang, cuaca buruk) | | | Buruh Lokal | 7.800000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 9.100000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 7.800000 0 | U.H |
| | | | | | | Kamera Digital | 7.800000 0 | U.H |
| | | | | | | Laptop | 10.40000 00 | U.H |
| | | | | | | Mobil | 7.800000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.758333 3 | O.H |
| | | | | | | Staf Administrasi | 0.758333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.516666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 9.100000 0 | O.H |
| | | | | | | Buruh Lokal | 9.100000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 10.61666 67 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 9.100000 0 | U.H |
| | | | | | | Kamera Digital | 9.100000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.091000 0 | U.H |
| | | | | | | Mobil | 9.009000 0 | U.H |
| | | | | | | Laptop | 12.13333 33 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek sedang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.866666 7 | O.H |
| | | | | | | Staf Administrasi | 0.866666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.733333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 10.40000 00 | O.H |
| | | | | | | Buruh Lokal | 10.40000 00 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 12.13333 33 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 10.40000 00 | U.H |
| | | | | | | Kamera Digital | 10.40000 00 | U.H |
| | | | | | | Laptop | 13.86666 67 | U.H |
| | | | | | | Mobil | 10.40000 00 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | | |
|--|---------|---------|---|---|-------------------------------|---|---|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | | |
| | | | | | | Ketua Tim | 0.125000 | O.H | |
| | | | | | | Staf Administrasi | 0.125000 | O.H | |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.250000 | O.H | |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.500000 | O.H | |
| | | | | | | Buruh Lokal | 1.500000 | O.H | |
| | | | | | | Alat | | | |
| | | | | | | Akomodasi | 1.750000 | U.H | |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.500000 | U.H | |
| | | | | | | Kamera Digital | 1.500000 | U.H | |
| | | | | | | Laptop | 2.000000 | U.H | |
| | | | | | | Mobil | 1.500000 | U.H | |
| | | | | | | Bahan | | | |
| | | ATK | 0.004000 | Set | | | | | |
| | | A.6.6.5 | | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | | Ketua Tim | 0.208333 | O.H |
| | | | | | | | Staf Administrasi | 0.208333 | O.H |
| | | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.416666 | O.H |
| | | | | | | | Operator Survei Kelengkapan Lapangan | 2.500000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek jarang, cuaca baik) | | | Buruh Lokal | 2.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.916666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 2.500000 0 | U.H |
| | | | | | | Kamera Digital | 2.500000 0 | U.H |
| | | | | | | Laptop | 3.333333 3 | U.H |
| | | | | | | Mobil | 2.500000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.291666 7 | O.H |
| | | | | | | Staf Administrasi | 0.291666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.583333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.500000 0 | O.H |
| | | | | | | Buruh Lokal | 3.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 4.083333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.500000 0 | U.H |
| | | | | | | Kamera Digital | 3.500000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.035000 0 | U.H |
| | | | | | | Mobil | 3.465000 0 | U.H |
| | | | | | | Laptop | 4.666666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca baik) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.375000 0 | O.H |
| | | | | | | Staf Administrasi | 0.375000 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.750000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.500000 0 | O.H |
| | | | | | | Buruh Lokal | 4.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.250000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.500000 0 | U.H |
| | | | | | | Kamera Digital | 4.500000 0 | U.H |
| | | | | | | Laptop | 6.000000 0 | U.H |
| | | | | | | Mobil | 4.500000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas rendah, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1625000 | O.H |
| | | | | | | Staf Administrasi | 0.1625000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3250000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.9500000 | O.H |
| | | | | | | Buruh Lokal | 1.9500000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.2750000 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 1.9500000 | U.H |
| | | | | | | Kamera Digital | 1.9500000 | U.H |
| | | | | | | Laptop | 2.6000000 | U.H |
| | | | | | | Mobil | 1.9500000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sedang, kepadatan | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2708333 | O.H |
| | | | | | | Staf Administrasi | 0.2708333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.5416667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 3.2500000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | objek jarang, cuaca buruk) | | | Buruh Lokal | 3.250000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.791666 7 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 3.250000 0 | U.H |
| | | | | | | Kamera Digital | 3.250000 0 | U.H |
| | | | | | | Laptop | 4.333333 3 | U.H |
| | | | | | | Mobil | 3.250000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.379166 7 | O.H |
| | | | | | | Staf Administrasi | 0.379166 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.758333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 4.550000 0 | O.H |
| | | | | | | Buruh Lokal | 4.550000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.308333 3 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 4.550000 0 | U.H |
| | | | | | | Kamera Digital | 0.045500 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.045500 0 | U.H |
| | | | | | | Mobil | 4.504500 0 | U.H |
| | | | | | | Laptop | 6.066666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.5 | Pengumpulan Nama Unsur Rupabumi (dengan kesulitan aksesibilitas sangat berat, kepadatan objek jarang, cuaca buruk) | Nama Unsur Rupabumi Terkumpul | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.487500 0 | O.H |
| | | | | | | Staf Administrasi | 0.487500 0 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.975000 0 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 5.850000 0 | O.H |
| | | | | | | Buruh Lokal | 5.850000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 6.825000 0 | U.H |
| | | | | | | GPS Handheld dan Kelengkapannya | 5.850000 0 | U.H |
| | | | | | | Kamera Digital | 5.850000 0 | U.H |
| | | | | | | Laptop | 7.800000 0 | U.H |
| | | | | | | Mobil | 5.850000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas rendah, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0138889 | O.H |
| | | | | | | Staf Administrasi | 0.0138889 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0277778 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.1666667 | O.H |
| | | | | | | Buruh Lokal | 0.1666667 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.1944444 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.1666667 | U.H |
| | | | | | | Kamera Digital | 0.1666667 | U.H |
| | | | | | | Laptop | 0.2222222 | U.H |
| | | | | | | Mobil | 0.1666667 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0208333 | O.H |
| | | | | | | Staf Administrasi | 0.0208333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.0416667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.2500000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Buruh Lokal | 0.250000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.291666 7 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.250000 0 | U.H |
| | | | | | | Kamera Digital | 0.250000 0 | U.H |
| | | | | | | Laptop | 0.333333 3 | U.H |
| | | | | | | Mobil | 0.250000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.041666 7 | O.H |
| | | | | | | Staf Administrasi | 0.041666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.083333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.500000 0 | O.H |
| | | | | | | Buruh Lokal | 0.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.583333 3 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.500000 0 | U.H |
| | | | | | | Kamera Digital | 0.500000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.500000 0 | U.H |
| | | | | | | Laptop | 0.666666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.166666 7 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.000000 0 | O.H |
| | | | | | | Buruh Lokal | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.166666 7 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 1.000000 0 | U.H |
| | | | | | | Kamera Digital | 1.000000 0 | U.H |
| | | | | | | Laptop | 1.333333 3 | U.H |
| | | | | | | Mobil | 1.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.6 | Uji Akurasi | Hasil Uji | Titik | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Akurasi | | Ketua Tim | 0.019841 3 | O.H |
| | | | | | | Staf Administrasi | 0.019841 3 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.039682 5 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.238095 2 | O.H |
| | | | | | | Buruh Lokal | 0.238095 2 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.277777 8 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.238095 2 | U.H |
| | | | | | | Kamera Digital | 0.238095 2 | U.H |
| | | | | | | Laptop | 0.317460 3 | U.H |
| | | | | | | Mobil | 0.238095 2 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas sedang, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.029761 9 | O.H |
| | | | | | | Staf Administrasi | 0.029761 9 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.059523 8 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.357142 9 | O.H |
| | | | | | | Buruh Lokal | 0.357142 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|---|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 9 | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.4166667 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.3571429 | U.H |
| | | | | | | Kamera Digital | 0.3571429 | U.H |
| | | | | | | Laptop | 0.4761905 | U.H |
| | | | | | | Mobil | 0.3571429 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.0595238 | O.H |
| | | | | | | Staf Administrasi | 0.0595238 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.1190476 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 0.7142857 | O.H |
| | | | | | | Buruh Lokal | 0.7142857 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.8333333 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 0.7142857 | U.H |
| | | | | | | Kamera Digital | 0.7142857 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|-------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Kapal | 0.7142857 | U.H |
| | | | | | | Laptop | 0.9523810 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.6 | Uji Akurasi (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Hasil Uji Akurasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.1190476 | O.H |
| | | | | | | Staf Administrasi | 0.1190476 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2380952 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.4285714 | O.H |
| | | | | | | Buruh Lokal | 1.4285714 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.6666667 | U.H |
| | | | | | | GPS Geodetik dan Kelengkapannya | 1.4285714 | U.H |
| | | | | | | Kamera Digital | 1.4285714 | U.H |
| | | | | | | Laptop | 1.9047619 | U.H |
| | | | | | | Mobil | 1.4285714 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.7 | Pengolahan | Geodataba | NLP | Personil | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|------|--|------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | . | Data SKL (Kepadatan Objek Jarang) | se SKL | | Ketua Tim | 0.1083333 | O.H |
| | | | | | | Staf Administrasi | 0.1083333 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.2166667 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.3000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.5166667 | U.H |
| | | | | | | Laptop | 1.0833333 | U.H |
| | | | | | | Scanner A4 | 1.3000000 | U.H |
| | | | | | | Software GIS | 0.8666667 | U.H |
| | | | | | | Software GPS Geodetic | 0.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | | Pengolahan Data SKL (Kepadatan Objek Sedang) | Geodataba se SKL | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1500000 | O.H |
| | | | | | | Staf Administrasi | 0.1500000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.3000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 1.8000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|------|---|-----------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.100000 0 | U.H |
| | | | | | | Laptop | 1.500000 0 | U.H |
| | | | | | | Scanner A4 | 1.800000 0 | U.H |
| | | | | | | Software GIS | 1.200000 0 | U.H |
| | | | | | | Software GPS Geodetic | 0.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.004000 0 | Set |
| | | | Pengolahan Data SKL (Kepadatan Objek padat) | Geodatabase SKL | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.191666 7 | O.H |
| | | | | | | Staf Administrasi | 0.191666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 0.383333 3 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 2.300000 0 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.683333 3 | U.H |
| | | | | | | Laptop | 1.916666 7 | U.H |
| | | | | | | Scanner A4 | 2.300000 0 | U.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|----------|--------------|-------------------------------------|---------|--|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 1.5333333 | U.H |
| | | | | | | Software GPS Geodetic | 0.0000000 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0.0040000 | Set |
| | | A.6.6.8 | Demobilisasi | Tiket PP, Sewa Kendaraan | | Personil | | |
| | | | | | | Ketua Tim | 0.0000000 | O.H |
| | | | | | | Staf Administrasi | 0.0000000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.0000000 | O.H |
| | | | | | | Operator Survei Kelengkapan Lapangan | 12.0000000 | O.H |
| | | | | | | Operator Entry Data Lapangan | 0.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Mobil (Kantor-Bandara/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Mobil (Bandara-Basecamp/Sebaliknya) | 1.0000000 | U.H |
| | | | | | | Tiket Transportasi (Koordinator & Operator) PP | 13.0000000 | O.K. |
| | | A.6.6.10 | Pelaporan | Laporan Survei Kelengkapan Lapangan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000000 | O.H |
| | | | | | | Staf Administrasi | 2.0000000 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 2.0000000 | O.H |
| | | | | | | Alat | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|--------------------|---------|-----------------------------|------------------------------------|---------|-------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A0 | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.7. | Penyelaras an Data | A.6.7.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.166666 7 | O.H |
| | | | | | | Operator Penyelarasan Data | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H |
| | | | | | | PC Workstation | 0.666666 7 | U.H |
| | | | | | | Printer | 1.000000 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|--|----------|-------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 0.666666 7 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.7.2 | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.208333 3 | O.H |
| | | | | | | Staf Administrasi | 0.208333 3 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.416666 7 | O.H |
| | | | | | | Operator Penyelarasan Data | 2.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.416666 7 | U.H |
| | | | | | | PC Workstation | 1.666666 7 | U.H |
| | | | | | | Software GIS | 1.666666 7 | U.H |
| | | | Editing Fitur dan Atribut (Tingkat | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.416666 7 | O.H |
| | | | | | | Staf Administrasi | 0.416666 7 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|--|----------|-------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Kepadatan Fitur Data : Sedang) | | | Koordinator Penyelarasan Data | 0.8333333 | O.H |
| | | | | | | Operator Penyelarasan Data | 5.0000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.8333333 | U.H |
| | | | | | | PC Workstation | 3.3333333 | U.H |
| | | | | | | Software GIS | 3.3333333 | U.H |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.6250000 | O.H |
| | | | | | | Staf Administrasi | 0.6250000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1.2500000 | O.H |
| | | | | | | Operator Penyelarasan Data | 7.5000000 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.2500000 | U.H |
| | | | | | | PC Workstation | 5.0000000 | U.H |
| | | | | | | Software GIS | 5.0000000 | U.H |
| | | A.6.7.3 | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1000000 | O.H |
| | | | | | | Staf Administrasi | 0.1000000 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.2000000 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|-------------------------------|---|-------------------|-------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Operator Penyelarasan Data | 1.200000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.200000 0 | U.H |
| | | | | | | PC Workstation | 0.800000 0 | U.H |
| | | | | | | Software GIS | 0.800000 0 | U.H |
| | | A.6.7.4 | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | Personil | | |
| | | | | | | Ketua Tim | 0.208333 3 | O.H |
| | | | | | | Staf Administrasi | 0.208333 3 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 0.416666 7 | O.H |
| | | | | | | Operator Penyelarasan Data | 2.500000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.416666 7 | U.H |
| | | | | | | PC Workstation | 1.666666 7 | U.H |
| | | | | | | Software GIS | 1.666666 7 | U.H |
| | | A.6.7.5 | Pelaporan | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 2.000000 0 | O.H |
| | | | | | | Alat | | |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|----------------------|---------|-----------------------------|------------------------------------|---------|----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.8. | Pembentukan Metadata | A.6.8.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1.000000 0 | O.H |
| | | | | | | Operator Pembentukan Metadata | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|----------------------|---|-------------|----------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0 | |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.8.2 | Pembentukan Metadata | Metadata yang telah dimasukkan dalam Geodatabase (merujuk pada ISO 19115) | Geodatabase | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 1.000000 0 | O.H |
| | | | | | | Operator Pembentukan Metadata | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H |
| | | | | | | PC Workstation | 2.000000 0 | U.H |
| | | | | | | Software GIS | 2.000000 0 | U.H |
| | | A.6.8.3 | Pelaporan | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 0 | O.H |
| | | | | | | Staf Administrasi | 2.000000 0 | O.H |
| | | | | | | Koordinator Pembentukan Metadata | 2.000000 0 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------------------------|---------|-----------------------------|------------------------------------|---------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.K. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.9. | Penyajian Hasil Pekerjaan | A.6.9.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 3 | O.H |
| | | | | | | Staf Administrasi | 0.083333 3 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.000000 0 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 1.000000 0 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166666 7 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Plotter A0 | 1.000000 0 | U.H. |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|--|---------------------------------------|--------|---------------------------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Printer | 1.000000 0 | U.H. |
| | | | | | | Scanner A4 | 1.000000 0 | U.H. |
| | | | | | | Software GIS | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 0 | Rim |
| | | | | | | Tinta Printer | 0.002000 0 | Paket |
| | | A.6.9.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout dalam format yang ditentukan | Tema | Personil | | |
| | | | | | | Ketua Tim | 0.011904 8 | O.H |
| | | | | | | Staf Administrasi | 0.011904 8 | O.H |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.142857 1 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 0.142857 1 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.023809 5 | U.H. |
| | | | | | | PC Workstation | 0.285714 3 | U.H. |
| | | | | | | Software GIS | 0.285714 3 | U.H. |
| | | A.6.9.3 | Pencetakan Hasil Pekerjaan | hasil pekerjaan dalam format hardcopy | Lembar | Personil | | |
| | | | | | | Ketua Tim | 0.005952 4 | O.H |
| | | | | | | Staf Administrasi | 0.005952 4 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|---------|-------------|-----------------------------------|---------|---------------------------------------|---------------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 0.071428 6 | O.H |
| | | | | | | Operator Penyajian Hasil Pekerjaan | 0.071428 6 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.011904 8 | U.H. |
| | | | | | | PC Workstation | 0.142857 1 | U.H. |
| | | | | | | Plotter A0 | 0.071428 6 | U.H. |
| | | | | | | Software GIS | 0.142857 1 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas Peta | 3.000000 0 | lembar A0 |
| | | | | | | Tinta Plotter | 0.000600 0 | Paket |
| | | A.6.9.4 | Pelaporan | Laporan Penyajian hasil pekerjaan | Dokumen | Personil | | |
| | | | | Album peta (draft dan akhir) | | Ketua Tim | 2.000000 0 | O.H |
| | | | | soft copy data | | Staf Administrasi | 2.000000 0 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|-----------|---------------|----------------------|----------------------|---------|--|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 2.000000 0 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 0 | U.H. |
| | | | | | | Laptop | 4.000000 0 | U.H. |
| | | | | | | PC Workstation | 2.000000 0 | U.H. |
| | | | | | | Printer | 2.000000 0 | U.H. |
| | | | | | | Scanner A4 | 2.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 0 | Rim |
| | | | | | | Tinta Printer | 0.020000 0 | Paket |
| A.6.1 0. | Pelaporan | A.6.10. 1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 0 | O.H |
| | | | | | | Staf Administrasi | 5.000000 0 | O.H |
| | | | | | | Koordinator Digitasi 2D Unsur Peta Dasar | 1.666666 7 | O.H |
| | | | | | | Koordinator Pembentukan Topologi dan Poligon | 1.666666 7 | O.H |
| | | | | | | Koordinator Survey Kelengkapan Lapangan | 1.666666 7 | O.H |
| | | | | | | Koordinator Penyelarasan Data | 1.666666 | O.H |

| A.6. Pembuatan Sebagian Unsur Peta Rupabumi Indonesia Skala besar (1:5.000) Menggunakan Data Citra Tegak Satelit Resolusi Tinggi | | | | | | | | |
|--|---------|------|-------------|--------|--------|---------------------------------------|----------------|-------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 7 | |
| | | | | | | Koordinator Pembentukan Metadata | 1.666666 7 | OH |
| | | | | | | Koordinator Penyajian Hasil Pekerjaan | 1.666666 7 | O.H |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 00 | U.H. |
| | | | | | | PC Workstation | 10.00000 00 | U.H. |
| | | | | | | Printer | 5.000000 0 | U.H. |
| | | | | | | Scanner A4 | 5.000000 0 | U.H. |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 0 | Set |
| | | | | | | Harddisk Eksternal | 1.000000 0 | Unit |
| | | | | | | Kertas HVS A4 | 2.000000 0 | RIM |
| | | | | | | Penjilidan | 3.000000 0 | Rangk ap |
| | | | | | | Tinta Printer | 1.000000 0 | Paket |

Keterangan:

- Mobilisasi Lokal (Kapal) digunakan jika transportasi menuju area pekerjaan memerlukan transportasi lokal kapal.
- Koefisien alat yang diperuntukkan bagi operator diberlakukan sistem **“Kerja Dua (2) Shift”**



Analisa Biaya Keluaran Kegiatan

**h. Pengolahan dan Integrasi Data Geospasial Dasar ke Sistem IG
Terpadu**

BADAN INFORMASI
GEOSPASIAL

Pelaksanaan pekerjaan Pengolahan dan Integrasi Data Geospasial Dasar ke Sistem IG Terpadu dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pengolahan dan Integrasi Data Geospasial Dasar ke Sistem IG Terpadu:

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Kondisi cuaca baik disaat hari cerah, cenderung tidak berawan, serta tidak masuk ke dalam musim hujan. Curah hujan per bulan di bawah 60 mm per bulan. Curah hujan cenderung rendah sehingga jarang terjadi hujan.

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

Kondisi cuaca buruk disaat hari hujan, cenderung berawan, serta masuk ke dalam musim hujan. Curah hujan per bulan lebih dari 60 mm per bulan. Curah hujan tinggi sehingga sering terjadi hujan yang menyebabkan waktu efektif bekerja semakin rendah sekitar 4 sampai 7 jam bekerja per hari.

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan.

Sebelas (11) kota macet meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Wilayah dengan tingkat kesulitan aksesibilitas ringan meliputi wilayah-wilayah yang memiliki fasilitas transportasi yang memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut baik roda 4 maupun roda 2. Contoh wilayah seperti Solo, Malang, Cirebon, Kuningan dll.

Sedang : Wilayah dengan tingkat kesulitan aksesibilitas sedang meliputi wilayah-wilayah yang memiliki fasilitas transportasi memadai, ditandai dengan mudahnya ditemukan berbagai moda transportasi pada wilayah tersebut, namun

wilayah tersebut masuk ke dalam 11 kota macet menurut Kementerian Perhubungan, meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang dan Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Wilayah dengan tingkat aksesibilitas berat merupakan wilayah yang dapat diakses dengan menggunakan moda transportasi darat dan air. Wilayah yang dimaksud meliputi daerah yang berdekatan dengan sungai maupun pulau-pulau yang membutuhkan moda transportasi kapal, baik kapal kecil maupun kapal besar. Contohnya seperti daerah-daerah di Kalimantan atau Pulau-Pulau di Kep. Riau.

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Wilayah dengan tingkat kesulitan aksesibilitas sangat berat meliputi wilayah-wilayah yang sulit diakses, sehingga diharuskan berjalan kaki untuk mencapai lokasi tersebut. Contohnya yaitu daerah perbatasan Papua, dimana moda transportasi yang dibutuhkan yaitu transportasi darat yang kemudian dilanjutkan dengan berjalan kaki.

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

Wilayah dengan tingkat kesulitan aksesibilitas khusus meliputi wilayah yang harus diakses dengan moda transportasi darat dan udara, sehingga membutuhkan moda transportasi khusus seperti helikopter atau pesawat kecil. Contohnya seperti pada daerah perbatasan Kalimantan seperti Malinau atau daerah perbatasan Papua.

3. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

4. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

Tabel berikut menunjukkan besaran koefisien pada Pengolahan dan Integrasi Data Geospasial Dasar ke Sistem IG Terpadu:

| A.7. Pengolahan dan Integrasi Data Geospasial Dasar ke Sistem IG Terpadu | | | | | | | | | | |
|--|-----------|---------|-----------------------------|--|---------|-----------------------------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.7.1. | Persiapan | A.7.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 4.00000 | O.H | | |
| | | | | | | Staf Administrasi | 4.00000 | O.H | | |
| | | | | | | Koordinator Edgematching | 4.00000 | O.H | | |
| | | | | | | Koordinator Migrasi Data Spasial | 4.00000 | O.H | | |
| | | | | | | Koordinator Integrasi Geodatabase | 4.00000 | O.H | | |
| | | | | | | Koordinator Pembuatan Metadata | 4.00000 | O.H | | |
| | | | | | | Koordinator Penyajian Kartografis | 4.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 0.00000 | U.H | | |
| | | | | | | PC Workstation | 0.00000 | U.H | | |
| | | | | | | Plotter | 0.00000 | U.H. | | |
| | | | | | | Printer | 0.00000 | U.H. | | |
| | | | | | | Scanner | 0.00000 | U.H. | | |
| | | | | | | Software Desain Grafis | 0.00000 | U.H. | | |

| | | | | | | |
|---------|--|-----------------------|---------|--|----------|------|
| | | | | Software GIS | 0.00000 | U.H |
| | | | | Software Kartografis berbasis GIS | 0.00000 | U.H. |
| | | | | Software Stereoplotting | 0.00000 | U.H |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | ATK | 1.00000 | Set |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | Ketua Tim | 2.00000 | O.H |
| | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | Koordinator Edgematching | 2.00000 | O.H |
| | | | | Koordinator Migrasi Data Spasial | 2.00000 | O.H |
| | | | | Koordinator Integrasi Geodatabase | 2.00000 | O.H |
| | | | | Koordinator Pembuatan Metadata | 2.00000 | O.H |
| | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 4.00000 | U.H. |
| | | | | PC Workstation | 10.00000 | U.H. |
| | | | | Plotter | 2.00000 | U.H. |
| | | | | Printer | 2.00000 | U.H. |
| | | | | Scanner | 2.00000 | U.H. |

| | | | | | | | |
|--------|----------------------|----------|-----------------------------|------------------------------------|--|----------|-----------|
| | | | | | Software GIS | 10.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.7.1.3 | Pelaporan | Laporan Persiapan | Dokumen | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | Laptop | 4.00000 | U.H. |
| | | | | | Printer | 2.00000 | U.H. |
| | | | | | Scanner | 2.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.2. | Migrasi Data Spasial | A.7.2.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | | |
| | | | | | Personil | | |
| | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | Koordinator Migrasi Data Spasial | 0.16667 | O.H |
| | | | | | Operator Migrasi Data Spasial | 1.00000 | O.H |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|-------------------|-----|--|------------------|--|--|-------------|---------|-----|-------------------|---------|------|----------------------------------|---------|------|-------------------------------|---------|------|------------------|---------|------|--------------|---------|------|------------------|---------|------|----------------|---------|------|--------------|---------|------|------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|
| | | | | <table border="1"> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H.</td></tr> <tr><td>Printer</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Scanner</td><td>1.00000</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Printer | 1.00000 | U.H. | Scanner | 1.00000 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.7.2.2. | Penyiapan Data | Data siap migrasi | NLP | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.08333</td><td>O.H</td></tr> <tr><td>Koordinator Migrasi Data Spasial</td><td>0.16667</td><td>O.H</td></tr> <tr><td>Operator Migrasi Data Spasial</td><td>1.00000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.16667</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>1.16667</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>1.16667</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Migrasi Data Spasial | 0.16667 | O.H | Operator Migrasi Data Spasial | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Migrasi Data Spasial | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Migrasi Data Spasial | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.7.2.3. | Migrasi Data | Geodatabase | NLP | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> </table> | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|---|-----|--|-----------------|---------|-----|-------------------|---------|-----|-------------------------------------|---------|-----|-------------------------------------|---------|-----|----------------------------------|---------|-----|------------------|--|--|-------------|---------|------|----------------|---------|------|----------------|---------|------|------------------|---------|------|------------------|--|--|--------------|--|--|------------------|--|--|--|--|--|
| | | ke Geodatabase | | <table border="1"> <tr> <td>Ketua Tim</td> <td>0.01667</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.01667</td> <td>O.H</td> </tr> <tr> <td>Koordinator Migrasi Data Spasial</td> <td>0.03333</td> <td>O.H</td> </tr> <tr> <td>Operator Migrasi Data Spasial</td> <td>0.20000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.03333</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>0.23333</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>0.23333</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Ketua Tim | 0.01667 | O.H | Staf Administrasi | 0.01667 | O.H | Koordinator Migrasi Data Spasial | 0.03333 | O.H | Operator Migrasi Data Spasial | 0.20000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.03333 | U.H. | PC Workstation | 0.23333 | U.H. | Software GIS | 0.23333 | U.H. | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Ketua Tim | 0.01667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.01667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Migrasi Data Spasial | 0.03333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Migrasi Data Spasial | 0.20000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.03333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.23333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.23333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.7.2.4. | Penyesuaian Atribut | Geodatabase dengan atribut yang sesuai | NLP | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Koordinator Migrasi Data Spasial</td> <td>0.16667</td> <td>O.H</td> </tr> <tr> <td>Operator Migrasi Data Spasial</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.16667</td> <td>U.H.</td> </tr> <tr> <td>PC Workstation</td> <td>1.16667</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>1.16667</td> <td>U.H.</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Migrasi Data Spasial | 0.16667 | O.H | Operator Migrasi Data Spasial | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H. | PC Workstation | 1.16667 | U.H. | Software GIS | 1.16667 | U.H. | b) Jumlah | | | Bahan | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Migrasi Data Spasial | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Migrasi Data Spasial | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--------|--------------|----------|-----------------------------|------------------------------------|-----------|---|---------|------|
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.7.2.5. | Pelaporan | Laporan Migrasi Data Spasial | Eksemplar | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Migrasi Data Spasial | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.3. | Edgematching | A.7.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | Koordinator Edgematching | 0.16667 | O.H |
| | | | | | | Operator Edgematching | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.16667 | U.H. |
| | | | | | | PC Workstation | 1.16667 | U.H. |

| | | | | | | |
|----------|-----------------------|--|-----|--|---------|------|
| | | | | Printer | 1.00000 | U.H. |
| | | | | Scanner | 1.00000 | U.H. |
| | | | | Software GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.3.2. | Edgematching Geometri | Geodatabase dengan geometri yang edgematched antar NLP | NLP | Personil | | |
| | | | | Ketua Tim | 0.04167 | O.H |
| | | | | Staf Administrasi | 0.04167 | O.H |
| | | | | Koordinator Edgematching | 0.08333 | O.H |
| | | | | Operator Edgematching | 0.50000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.08333 | U.H. |
| | | | | PC Workstation | 0.58333 | U.H. |
| | | | | Software GIS | 0.58333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.3.3. | Edgematching Atribut | Geodatabase dengan atribut yang edgematched antar NLP | NLP | Personil | | |
| | | | | Ketua Tim | 0.04167 | O.H |
| | | | | Staf Administrasi | 0.04167 | O.H |
| | | | | Koordinator Edgematching | 0.08333 | O.H |

| | | | | | | | |
|--------|-------------|----------|-----------|----------------------|---|--------------------------|-------------|
| | | | | | Operator Edgematching | 0.50000 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.08333 | U.H. |
| | | | | | PC Workstation | 0.58333 | U.H. |
| | | | | | Software GIS | 0.58333 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.7.3.4. | Pelaporan | Laporan Edgematching | Eksemplar | Personil | |
| | | | | | | Ketua Tim | 2.00000 O.H |
| | | | | | | Staf Administrasi | 2.00000 O.H |
| | | | | | | Koordinator Edgematching | 2.00000 O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | Laptop | 4.00000 | U.H. |
| | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | Printer | 2.00000 | U.H. |
| | | | | | Scanner | 2.00000 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | ATK | 1.00000 | Set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.4. | Pembentukan | A.7.4.1. | Penyiapan | Dokumen | Dokumen | Personil | |

| | | | | | | | | | | |
|----------------------|--|-------------------|----------------------------|--|---|---|-----|--|---------|-----|
| Topologi dan Poligon | | Alat dan Personil | kesiapan alat dan personil | Ketua Tim | 0.08333 | O.H | | | | |
| | | | | Staf Administrasi | 0.08333 | O.H | | | | |
| | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H | | | | |
| | | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H | | | | |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | | | | | |
| | | | | Laptop | 0.16667 | U.H. | | | | |
| | | | | PC Workstation | 1.16667 | U.H. | | | | |
| | | | | Printer | 1.00000 | U.H. | | | | |
| | | | | Scanner | 1.00000 | U.H. | | | | |
| | | | | Software GIS | 1.16667 | U.H. | | | | |
| | | | | b) Jumlah | | | | | | |
| | | | | Bahan | | | | | | |
| | | | | c) Jumlah | | | | | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | A.7.4.2. | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Jarang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | Personil | | |
| | | | | | | | | Ketua Tim | 0.08333 | O.H |
| | | | | | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H |
| | | | | | | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H |
| | | | | a) Jumlah | | | | | | |
| | | | | Alat | | | | | | |
| | | | | Laptop | 0.16667 | U.H. | | | | |

| | | | | | |
|---|---|-----|--|---------|------|
| | | | PC Workstation | 1.16667 | U.H. |
| | | | Software GIS | 1.16667 | U.H. |
| | | | b) Jumlah | | |
| | | | Bahan | | |
| | | | | | |
| | | | c) Jumlah | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Personil | | |
| | | | Ketua Tim | 0.12500 | O.H |
| | | | Staf Administrasi | 0.12500 | O.H |
| | | | Koordinator Pembentukan Topologi dan Poligon | 0.25000 | O.H |
| | | | Operator Pembentukan Topologi dan Poligon | 1.50000 | O.H |
| | | | a) Jumlah | | |
| | | | Alat | | |
| | | | Laptop | 0.25000 | U.H. |
| | | | PC Workstation | 1.75000 | U.H. |
| | | | Software GIS | 1.75000 | U.H. |
| | | | b) Jumlah | | |
| | | | Bahan | | |
| | | | | | |
| | | | c) Jumlah | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Personil | | |
| | | | Ketua Tim | 0.16667 | O.H |
| | | | Staf Administrasi | 0.16667 | O.H |
| Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Objek : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP | | | |
| Pembentukan Topologi dan Editing | Geodatabase dengan topologi | NLP | | | |

| | | | | | | |
|----------|---|--|-----|--|---------|------|
| | Topologi (Tingkat Kepadatan Objek : Padat) | (clean topology dan Seamless) | | Koordinator Pembentukan Topologi dan Poligon | 0.33333 | O.H |
| | | | | Operator Pembentukan Topologi dan Poligon | 2.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.33333 | U.H. |
| | | | | PC Workstation | 2.33333 | U.H. |
| | | | | Software GIS | 2.33333 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |
| | | | | c) Jumlah | | |
| | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.4.3. | Pembentukan dan Editing Poligon (Tingkat Kepadatan Objek : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP | Personil | | |
| | | | | Ketua Tim | 0.08333 | O.H |
| | | | | Staf Administrasi | 0.08333 | O.H |
| | | | | Koordinator Pembentukan Topologi dan Poligon | 0.16667 | O.H |
| | | | | Operator Pembentukan Topologi dan Poligon | 1.00000 | O.H |
| | | | | a) Jumlah | | |
| | | | | Alat | | |
| | | | | Laptop | 0.16667 | U.H. |
| | | | | PC Workstation | 1.16667 | U.H. |
| | | | | Software GIS | 1.16667 | U.H. |
| | | | | b) Jumlah | | |
| | | | | Bahan | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|-----------|--|-----------------------|---|---|-----------------|--|-------------|-----------|---------|-------------------|---------|------|--|---------|------|------------------|---------|------|------------------|--|--|--------------------|---------|------|--------|---------|------|------------------|---------|------|--|---------|------|---------|---------|------|------------------|--|--|--------------|--|--|-----|---------|-----|------------------|--|--|--|--|--|
| | | | | | <table border="1"> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.33333</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>2.33333</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>2.33333</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | a) Jumlah | | | Alat | | | Laptop | 0.33333 | U.H. | PC Workstation | 2.33333 | U.H. | Software GIS | 2.33333 | U.H. | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.33333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 2.33333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 2.33333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A.7.4.4. | Pelaporan | Laporan Pembentukan Topologi dan Poligon | Dokumen | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>2.00000</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>2.00000</td><td>O.H</td></tr> <tr><td>Koordinator Pembentukan Topologi dan Poligon</td><td>2.00000</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Harddisk Eksternal</td><td>0.00000</td><td>U.H.</td></tr> <tr><td>Laptop</td><td>4.00000</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>2.00000</td><td>U.H.</td></tr> <tr><td>Printer</td><td>2.00000</td><td>U.H.</td></tr> <tr><td>Scanner</td><td>2.00000</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td>ATK</td><td>1.00000</td><td>Set</td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 2.00000 | O.H | Staf Administrasi | 2.00000 | O.H | Koordinator Pembentukan Topologi dan Poligon | 2.00000 | O.H | a) Jumlah | | | Alat | | | Harddisk Eksternal | 0.00000 | U.H. | Laptop | 4.00000 | U.H. | PC Workstation | 2.00000 | U.H. | Printer | 2.00000 | U.H. | Scanner | 2.00000 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembentukan Topologi dan Poligon | 2.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harddisk Eksternal | 0.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 4.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 2.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Pembuatan Metadata | A.7.5.1. | Penyiapan Alat dan | Dokumen kesiapan alat | Dokumen | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.08333</td><td>O.H</td></tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|-----------------------------------|--------------|---|-------------------|---------|-----|--------------------------------|---------|-----|-----------------------------|---------|-----|--------------------------------|---------|-----|-----------------------------|---------|-----|------------------|---------|-----|----------------|---------|-----|---------|---------|------|----------------|---------|------|--------------|---------|-----|------------------|--|--|--------------|--|--|--|--|--|------------------|--|--|--|--|--|
| | | Personil | dan personil | <table border="1"> <tr> <td>Staf Administrasi</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pembuatan Metadata</td> <td>0.16667</td> <td>O.H</td> </tr> <tr> <td>Operator Pembuatan Metadata</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.16667</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td>1.16667</td> <td>U.H</td> </tr> <tr> <td>Printer</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Scanner</td> <td>1.00000</td> <td>U.H.</td> </tr> <tr> <td>Software GIS</td> <td>1.16667</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> <tr> <td colspan="3">Bahan</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">c) Jumlah</td> </tr> <tr> <td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td> </tr> </table> | Staf Administrasi | 0.08333 | O.H | Koordinator Pembuatan Metadata | 0.16667 | O.H | Operator Pembuatan Metadata | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H | PC Workstation | 1.16667 | U.H | Printer | 1.00000 | U.H. | Scanner | 1.00000 | U.H. | Software GIS | 1.16667 | U.H | b) Jumlah | | | Bahan | | | | | | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan Metadata | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Pembuatan Metadata | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printer | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scanner | 1.00000 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.7.5.2. | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatabase | <table border="1"> <tr> <td colspan="3">Personil</td> </tr> <tr> <td>Ketua Tim</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Staf Administrasi</td> <td>0.08333</td> <td>O.H</td> </tr> <tr> <td>Koordinator Pembuatan Metadata</td> <td>0.16667</td> <td>O.H</td> </tr> <tr> <td>Operator Pembuatan Metadata</td> <td>1.00000</td> <td>O.H</td> </tr> <tr> <td colspan="3">a) Jumlah</td> </tr> <tr> <td colspan="3">Alat</td> </tr> <tr> <td>Laptop</td> <td>0.16667</td> <td>U.H</td> </tr> <tr> <td>PC Workstation</td> <td>1.16667</td> <td>U.H</td> </tr> <tr> <td>Software GIS</td> <td>1.16667</td> <td>U.H</td> </tr> <tr> <td colspan="3">b) Jumlah</td> </tr> </table> | Personil | | | Ketua Tim | 0.08333 | O.H | Staf Administrasi | 0.08333 | O.H | Koordinator Pembuatan Metadata | 0.16667 | O.H | Operator Pembuatan Metadata | 1.00000 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.16667 | U.H | PC Workstation | 1.16667 | U.H | Software GIS | 1.16667 | U.H | b) Jumlah | | | | | | | | | | | | | | |
| Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.08333 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Pembuatan Metadata | 0.16667 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Pembuatan Metadata | 1.00000 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 1.16667 | U.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--------|--|----------|-----------------------------|------------------------------------|---|-----------------------------------|--------------|
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.7.5.3. | Pelaporan | Laporan Pembuatan Metadata | Dokumen | Personil | |
| | | | | | | Ketua Tim | 2.00000 O.H |
| | | | | | | Staf Administrasi | 2.00000 O.H |
| | | | | | | Koordinator Pembuatan Metadata | 2.00000 O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 U.H. |
| | | | | | | Laptop | 4.00000 U.H. |
| | | | | | | PC Workstation | 2.00000 U.H. |
| | | | | | | Printer | 2.00000 U.H. |
| | | | | | | Scanner | 2.00000 U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 Set |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.6. | Penyajian Hasil Pengolahan dan Integrasi Data Geospasial Dasar Dasar | A.7.6.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | |
| | | | | | | Ketua Tim | 0.08333 O.H |
| | | | | | | Staf Administrasi | 0.08333 O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.16667 O.H |
| | | | | | | Operator Penyajian Kartografis | 1.00000 O.H |
| | | | | | a) Jumlah | | |

| | | | | | | | |
|---------|--|--|-----|--|--|---------|------|
| | | | | | Alat | | |
| | | | | | Laptop | 0.16667 | U.H. |
| | | | | | PC Workstation | 1.16667 | U.H. |
| | | | | | Plotter | 1.00000 | U.H. |
| | | | | | Printer | 1.00000 | U.H. |
| | | | | | Scanner | 1.00000 | U.H. |
| | | | | | Software GIS | 1.16667 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.6.2 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | GDB | | Personil | | |
| | | | | | Ketua Tim | 0.01190 | O.H |
| | | | | | Staf Administrasi | 0.01190 | O.H |
| | | | | | Koordinator Penyajian Kartografis | 0.02381 | O.H |
| | | | | | Operator Penyajian Kartografis | 0.14286 | O.H |
| | | | | | a) Jumlah | | |
| | | | | | Alat | | |
| | | | | | Laptop | 0.02381 | U.H. |
| | | | | | PC Workstation | 0.16667 | U.H. |
| | | | | | Software GIS | 0.16667 | U.H. |
| | | | | | b) Jumlah | | |
| | | | | | Bahan | | |
| | | | | | | | |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|--|---|---|-----|---|-----------------|--|--|-----------|---------|-----|-------------------|---------|-----|-----------------------------------|---------|-----|--------------------------------|---------|-----|------------------|--|--|-------------|--|--|--------|---------|------|----------------|---------|------|---------|---------|------|--------------|---------|------|------------------|--|--|--------------|--|--|-----|---------|-----|-------------|---------|-----------|-----------------------|----------|-----------|---------------|---------|-------|------------------|--|--|--|--|--|
| | | A.7.6.3 | Pencetakan Hasil Pengolahan dan Integrasi Data Geospasial Dasar Dasar | hasil Pengolahan dan Integrasi Data Geospasial Dasar Dasar tiap NLP | GDB | <table border="1"> <tr><td>Personil</td><td></td><td></td></tr> <tr><td>Ketua Tim</td><td>0.00595</td><td>O.H</td></tr> <tr><td>Staf Administrasi</td><td>0.00595</td><td>O.H</td></tr> <tr><td>Koordinator Penyajian Kartografis</td><td>0.01190</td><td>O.H</td></tr> <tr><td>Operator Penyajian Kartografis</td><td>0.07143</td><td>O.H</td></tr> <tr><td colspan="3">a) Jumlah</td></tr> <tr><td>Alat</td><td></td><td></td></tr> <tr><td>Laptop</td><td>0.01190</td><td>U.H.</td></tr> <tr><td>PC Workstation</td><td>0.08333</td><td>U.H.</td></tr> <tr><td>Plotter</td><td>0.07143</td><td>U.H.</td></tr> <tr><td>Software GIS</td><td>0.08333</td><td>U.H.</td></tr> <tr><td colspan="3">b) Jumlah</td></tr> <tr><td>Bahan</td><td></td><td></td></tr> <tr><td>ATK</td><td>1.00000</td><td>Set</td></tr> <tr><td>Kertas Peta</td><td>3.00000</td><td>lembar A0</td></tr> <tr><td>Kertas separasi warna</td><td>18.00000</td><td>lembar A0</td></tr> <tr><td>Tinta Plotter</td><td>0.00020</td><td>Paket</td></tr> <tr><td colspan="3">c) Jumlah</td></tr> <tr><td colspan="3">d) Standar Biaya Keluaran Sub Tahapan (a+b+c)</td></tr> </table> | Personil | | | Ketua Tim | 0.00595 | O.H | Staf Administrasi | 0.00595 | O.H | Koordinator Penyajian Kartografis | 0.01190 | O.H | Operator Penyajian Kartografis | 0.07143 | O.H | a) Jumlah | | | Alat | | | Laptop | 0.01190 | U.H. | PC Workstation | 0.08333 | U.H. | Plotter | 0.07143 | U.H. | Software GIS | 0.08333 | U.H. | b) Jumlah | | | Bahan | | | ATK | 1.00000 | Set | Kertas Peta | 3.00000 | lembar A0 | Kertas separasi warna | 18.00000 | lembar A0 | Tinta Plotter | 0.00020 | Paket | c) Jumlah | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ketua Tim | 0.00595 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Staf Administrasi | 0.00595 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Koordinator Penyajian Kartografis | 0.01190 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operator Penyajian Kartografis | 0.07143 | O.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laptop | 0.01190 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PC Workstation | 0.08333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plotter | 0.07143 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Software GIS | 0.08333 | U.H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATK | 1.00000 | Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas Peta | 3.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kertas separasi warna | 18.00000 | lembar A0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tinta Plotter | 0.00020 | Paket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) Jumlah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.7.6.4 | Pelaporan | Laporan Penyajian Hasil Pengolahan dan Integrasi Data Geospasial Dasar Dasar | Dokumen | Personil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--------|-----------|----------|----------------------|------------------------------------|---------|--|----------|------|
| | | | | Album peta (draft dan akhir) | | Ketua Tim | 2.00000 | O.H |
| | | | | soft copy data | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.7.7. | Pelaporan | A.7.7.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |

| | | | | | | | |
|--|--|--|--|--|--|---------|---------|
| | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | Penjilidan | 3.00000 | Rangkap |
| | | | | | Tinta Printer | 1.00000 | Paket |
| | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |





Analisis Biaya Keluaran Kegiatan

i. Pembuatan Gasetir

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan Gasetir dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembuatan Gasetir:

1. Jumlah Objek (Kebutuhan SKL dan Survei Toponimi)

Faktor jumlah objek diklasifikasikan berdasarkan tutupan lahan bangunan yang menutupi blok pekerjaan yang telah ditentukan. Tutupan lahan bangunan meliputi permukiman, kawasan industri, area komersial dan lain-lain. Faktor jumlah objek mempengaruhi kapasitas sub tahapan pekerjaan Survey Kelengkapan Lapangan dan Survei Toponimi.

Rendah : Tutupan lahan bangunan (permukiman, kawasan industri, area komersial, dll) mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan mencakup 30%-60% blok pekerjaan

Tinggi : Tutupan lahan bangunan mencakup >60% blok pekerjaan

Tabel berikut menunjukkan besaran koefisien pada Pembuatan Gasetir:

| A.8. Pembuatan Gasetir | | | | | | | | | | | |
|------------------------|-----------|---------|-----------------------------|--|---------|---|-----------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| A.8.1. | Persiapan | A.8.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | | | | |
| | | | | | | Ketua Tim | 4.000000 | O.H | | | |
| | | | | | | Staf Administrasi | 4.000000 | O.H | | | |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 4.000000 | O.H | | | |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 4.000000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|---------|--|-----------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 1.000000 | U.H |
| | | | | | | PC Workstation | 0.000000 | U.H |
| | | | | | | Plotter | 0.000000 | U.H. |
| | | | | | | Printer | 1.000000 | U.H. |
| | | | | | | Scanner A4 | 0.000000 | U.H. |
| | | | | | | Software Database | 0.000000 | U.H |
| | | | | | | Software GIS | 0.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 | RIM |
| | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 2.000000 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H. |
| | | | | | | PC Workstation | 4.000000 | U.H. |
| | | | | | | Plotter | 2.000000 | U.H. |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|---------|-------------|-------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | Software GIS | 4.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas Peta | 2.000000 | lembar A0 |
| | | | | | | Kertas HVS A4 | 0.020000 | RIM |
| | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | Tinta Plotter | 0.000200 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.000000 | Unit |
| | | | | | | Laptop | 4.000000 | U.H. |
| | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 | RIM |

| A.8. Pembuatan Gasetir | | | | | | | | |
|---|----------------|---------------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tinta Printer | 0.020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.8.2. | Penyiapan Data | A.8.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staf Administrasi | 1.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 | U.H. |
| | | | | | | PC Workstation | 1.000000 | U.H. |
| | | | | | | Printer | 1.000000 | U.H. |
| | | | | | | Scanner A4 | 1.000000 | U.H. |
| | | Software GIS | 1.000000 | U.H. | | | | |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | ATK | 1.000000 | Set | | | | |
| | | Kertas HVS A4 | 0.020000 | RIM | | | | |
| | | Tinta Printer | 0.002000 | Paket | | | | |
| | | c) Jumlah | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | A.8.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staf Administrasi | 1.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama | 1.000000 | O.H |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|---------|-------------|------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Data | | Rupabumi | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 | U.H. |
| | | | | | | PC Workstation | 1.000000 | U.H. |
| | | | | | | Software GIS | 1.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 | RIM |
| | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 | U.H. |
| | | | | | | Laptop | 4.000000 | U.H. |
| | | | | | | PC Workstation | 2.000000 | U.H. |
| | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | b) Jumlah | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|-------------------------|----------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 | RIM |
| | | | | | | Tinta Printer | 0.020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.8.3. | Ekstraksi Nama Rupabumi | A.8.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.083333 | O.H |
| | | | | | | Staf Administrasi | 0.083333 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.166667 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.166667 | U.H. |
| | | | | | | PC Workstation | 1.166667 | U.H. |
| | | | | | | Printer | 1.000000 | U.H. |
| | | | | | | Scanner A4 | 1.000000 | U.H. |
| | | | | | | Software GIS | 1.166667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.020000 | RIM |
| | | | | | | Tinta Printer | 0.002000 | Paket |
| | | | | | | c) Jumlah | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|----------|-----------------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.3.2. | Ekstraksi | Point Nama Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.020833 | O.H |
| | | | | | | Staf Administrasi | 0.020833 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.041667 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 0.250000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.041667 | U.H. |
| | | | | | | PC Workstation | 0.291667 | U.H. |
| | | | | | | Software GIS | 0.291667 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.3.3. | Pengisian Atribut Gasetir | Point Nama Rupabumi dengan atribut (yang dibutuhkan) terisi lengkap | NLP | Personil | | |
| | | | (Tingkat Kepadatan Objek: Jarang) | (yang dibutuhkan) terisi lengkap | | Ketua Tim | 0.013889 | O.H |
| | | | | | | Staf Administrasi | 0.013889 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.027778 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 0.166667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|------|-----------------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 0.027778 | U.H. |
| | | | | | | PC Workstation | 0.194444 | U.H. |
| | | | | | | Software GIS | 0.194444 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengisian Atribut Gasetir | Point Nama Rupabumi dengan atribut (yang dibutuhkan) terisi lengkap | NLP | Personil | | |
| | | | (Tingkat Kepadatan Objek: Sedang) | | | Ketua Tim | 0.018519 | O.H |
| | | | | | | Staf Administrasi | 0.018519 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.037037 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 0.222222 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.037037 | U.H. |
| | | | | | | PC Workstation | 0.259259 | U.H. |
| | | | | | | Software GIS | 0.259259 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengisian | Point Nama | NLP | Personil | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Atribut Gasetir (Tingkat Kepadatan Objek: Padat) | Rupabumi dengan atribut (yang dibutuhkan) terisi lengkap | | Ketua Tim | 0.027778 | O.H |
| | | | | | | Staf Administrasi | 0.027778 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.055556 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 0.333333 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.055556 | U.H. |
| | | | | | | PC Workstation | 0.388889 | U.H. |
| | | | | | | Software GIS | 0.388889 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.3.4. | Pembentukan Bounding Box Nama Rupabumi | Bounding Box Nama Rupabumi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.013889 | O.H |
| | | | | | | Staf Administrasi | 0.013889 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 0.027778 | O.H |
| | | | | | | Operator Ekstraksi Nama Rupabumi | 0.166667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.027778 | U.H. |
| | | | | | | PC Workstation | 0.194444 | U.H. |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|-----------|----------|-------------|---------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 0.194444 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.3.5. | Pelaporan | Laporan Ekstraksi Nama Rupabumi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 | U.H. |
| | | | | | | Laptop | 4.000000 | U.H. |
| | | | | | | PC Workstation | 2.000000 | U.H. |
| | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 | RIM |
| | | | | | | Tinta Printer | 0.020000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.8.4. | Pembuatan | A.8.4.1. | Penyiapan | Dokumen | Dokumen | Personil | | |

| A.8. Pembuatan Gasetir | | | | | | | | | | | | | | |
|------------------------|-----------------------|------|-------------------|----------------------------|--------|---|-------------------|--------|---------------------------------|-----|--|-----------|----------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | | | | |
| | Gasetir per Kabupaten | | Alat dan Personil | kesiapan alat dan personil | | Ketua Tim | 0.083333 | O.H | | | | | | |
| | | | | | | Staf Administrasi | 0.083333 | O.H | | | | | | |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 0.166667 | O.H | | | | | | |
| | | | | | | Operator Pembuatan gasetir per Kabupaten | 1.000000 | O.H | | | | | | |
| | | | | | | a) Jumlah | | | | | | | | |
| | | | | | | Alat | | | | | | | | |
| | | | | | | Laptop | 0.166667 | U.H. | | | | | | |
| | | | | | | PC Workstation | 1.166667 | U.H. | | | | | | |
| | | | | | | Printer | 1.000000 | U.H. | | | | | | |
| | | | | | | Scanner A4 | 1.000000 | U.H. | | | | | | |
| | | | | | | Software Database | 1.166667 | U.H | | | | | | |
| | | | | | | Software GIS | 1.166667 | U.H | | | | | | |
| | | | | | | b) Jumlah | | | | | | | | |
| | | | | | | Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 | Set | | | | | | |
| | | | | | | Kertas HVS A4 | 0.020000 | RIM | | | | | | |
| | | | | | | Tinta Printer | 0.002000 | Paket | | | | | | |
| | | | | | | c) Jumlah | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | | | A.8.4.2. | Penyajian Gasetir | | Gasetir per Kabupaten (Digital) | NLP | | Personil | | |
| | | | | | | | | | | | | Ketua Tim | 0.008333 | O.H |
| | | | | | | Staf Administrasi | 0.008333 | O.H | | | | | | |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 0.016667 | O.H | | | | | | |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|----------|--------------------|-------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Operator Pembuatan gasetir per Kabupaten | 0.100000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.016667 | U.H. |
| | | | | | | PC Workstation | 0.116667 | U.H. |
| | | | | | | Software Database | 0.116667 | U.H |
| | | | | | | Software GIS | 0.116667 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.4.3. | Pencetakan Gasetir | Gasetir per Kabupaten (Cetak) | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.250000 | O.H |
| | | | | | | Staf Administrasi | 0.250000 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 0.500000 | O.H |
| | | | | | | Operator Pembuatan gasetir per Kabupaten | 3.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.500000 | U.H. |
| | | | | | | PC Workstation | 3.500000 | U.H. |
| | | | | | | Printer | 3.000000 | U.H. |
| | | | | | | Software Database | 3.500000 | U.H |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|---------|----------|-------------|---|---------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 3.500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 6.000000 | RIM |
| | | | | | | Penjilidan | 3.000000 | Rangkap |
| | | | | | | Tinta Printer | 3.000000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.8.4.4. | Pelaporan | Laporan Pembuatan Gasetir per Kabupaten | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.000000 | U.H. |
| | | | | | | Laptop | 4.000000 | U.H. |
| | | | | | | PC Workstation | 2.000000 | U.H. |
| | | | | | | Printer | 2.000000 | U.H. |
| | | | | | | Scanner A4 | 2.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Kertas HVS A4 | 0.200000 | RIM |
| | | | | | | Tinta Printer | 0.020000 | Paket |

| A.8. Pembuatan Gasetir | | | | | | | | |
|------------------------|-----------|----------|-------------------|-------------------|---------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.8.5. | Pelaporan | A.8.5.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.000000 | O.H |
| | | | | | | Staf Administrasi | 5.000000 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Rupabumi | 5.000000 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir per Kabupaten | 5.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.000000 | U.H. |
| | | | | | | PC Workstation | 10.000000 | U.H. |
| | | | | | | Printer | 5.000000 | U.H. |
| | | | | | | Scanner A4 | 5.000000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | Harddisk Eksternal | 1.000000 | Unit |
| | | | | | | Kertas HVS A4 | 2.000000 | RIM |
| | | | | | | Penjilidan | 3.000000 | Rangkap |
| | | | | | | Tinta Printer | 1.000000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisis Biaya Keluaran Kegiatan

j. Penyelenggaraan Citra Tegak Resolusi Menengah

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Penyelenggaraan Citra Tegak Resolusi Menengah dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Penyelenggaraan Citra Tegak Resolusi Menengah

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

3. Kepadatan Objek (Fitur Data)

Jarang : Tutupan lahan bangunan dan vegetasi lebat mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan vegetasi lebat mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan vegetasi lebat mencakup >60% blok pekerjaan

4. Topografi

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

5. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

6. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

7. Kualitas Citra Satelit

Berawan : Tutupan awan mencakup >40% blok pekerjaan

Tidak Berawan : Tutupan Awan mencakup <40% blok pekerjaan

Tabel berikut menunjukkan besaran koefisien pada Penyelenggaraan Citra Tegak Resolusi Menengah

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|-----------|-----------|-----------------------------|------------------------------|---------|-------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.11.1. | Persiapan | A.11.1.1. | Penyiapan alat dan personil | Dokumen pemeriksaan alat dan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.00000 | O.H |
| | | | | | | Staf Administrasi | 4.00000 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|------|-------------|----------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | personil | | Koordinator Pengukuran GCP | 4.00000 | O.H |
| | | | | | | Koordinator Proses Orthorektifikasi Citra | 4.00000 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | Kamera Digital | 0.00000 | U.H |
| | | | | | | Laptop | 0.00000 | U.H |
| | | | | | | PC Workstation | 0.00000 | U.H |
| | | | | | | Plotter | 0.00000 | U.H. |
| | | | | | | Printer | 0.00000 | U.H. |
| | | | | | | Scanner | 0.00000 | U.H. |
| | | | | | | Software GIS | 0.00000 | U.H |
| | | | | | | Software GPS | 0.00000 | U.H |
| | | | | | | Software Pengolah Citra | 0.00000 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 1.00000 | Set |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|-----------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.1.2. | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 2.00000 | O.H |
| | | | | | | Koordinator Proses Orthorektifikasi Citra | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 4.00000 | U.H. |
| | | | | | | Plotter | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | Software GIS | 4.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | c) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|----------------|----------|---|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.1.3 | Pelaporan Persiapan | Dokumen laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.11.2. | Pengukuran GCP | A.11.2.1 | Persiapan Alat dan Personil Pengukuran GCP CTRM | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.20000 | O.H |
| | | | | | | Staf Administrasi | 0.20000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.20000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.20000 | O.H |
| | | | | | | Surveyor | 1.00000 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Pengukuran (Rover) | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.20000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.20000 | U.H |
| | | | | | | Kompas | 1.20000 | U.H |
| | | | | | | Mobil | 1.00000 | U.H |
| | | | | | | Printer | 1.00000 | U.H |
| | | | | | | Scanner | 0.00000 | U.H. |
| | | | | | | Software GIS | 1.40000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.2. | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan | Rencana Distribusi GCP dan ICP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.03333 | O.H |
| | | | | | | Staf Administrasi | 0.03333 | O.H |
| | | | | | | Koordinator | 0.03333 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | lahan vegetasi lebat, kualitas citra tidak berawan) | | | Pengukuran GCP | | |
| | | | | | | Surveyor Pengukuran | 0.16667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.06667 | U.H |
| | | | | | | PC Workstation | 0.20000 | U.H |
| | | | | | | Software GIS | 0.20000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.2. | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan lahan vegetasi tidak lebat, kualitas citra tidak berawan) | Rencana Distribusi GCP dan ICP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.01000 | O.H |
| | | | | | | Staf Administrasi | 0.01000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.01000 | O.H |
| | | | | | | Surveyor Pengukuran | 0.05000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.02000 | U.H |
| | | | | | | PC Workstation | 0.06000 | U.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 0.06000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.2. | Pembuatan Rencana Distribusi GCP dan ICP (dengan kondisi tutupan lahan vegetasi tidak lebat, kualitas citra berwarna) | Rencana Distribusi GCP dan ICP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.03333 | O.H |
| | | | | | | Staf Administrasi | 0.03333 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.03333 | O.H |
| | | | | | | Surveyor Pengukuran | 0.16667 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.06667 | U.H |
| | | | | | | PC Workstation | 0.20000 | U.H |
| | | | | | | Software GIS | 0.20000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|---|---|--|---------|-----------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.11.2.3. | Mobilisasi Pengukuran GCP | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket PP | 5.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.10000 | O.H |
| | | | | | | Staf Administrasi | 0.10000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.10000 | O.H |
| | | | | | | Surveyor | 0.10000 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|-----------------------------------|----------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | aksesibilitas rendah, cuaca baik) | | | Pengukuran (Base) | | |
| | | | | | | Surveyor Pengukuran (Rover) | 0.50000 | O.H |
| | | | | | | Buruh Lokal | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.90000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.10000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.50000 | U.H |
| | | | | | | Kamera Digital | 0.60000 | U.H |
| | | | | | | Kompas | 0.60000 | U.H |
| | | | | | | Laptop | 0.90000 | U.H |
| | | | | | | Mobil | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan | Raw+Rinex data hasil | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.13333 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|------|---|-----------------------|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sedang, cuaca baik) | pengukuran, deskripsi | | Staf Administrasi | 0.13333 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.13333 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.13333 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.66667 | O.H |
| | | | | | | Buruh Lokal | 1.33333 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Akomodasi | 1.20000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.13333 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.66667 | U.H |
| | | | | | | Kamera Digital | 0.80000 | U.H |
| | | | | | | Kompas | 0.80000 | U.H |
| | | | | | | Laptop | 1.20000 | U.H |
| | | | | | | Mobil | 1.33333 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas berat, cuaca baik) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.20000 | O.H |
| | | | | | | Staf Administrasi | 0.20000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.20000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.20000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.80000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.20000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.20000 | U.H |
| | | | | | | Kapal | 2.00000 | U.H |
| | | | | | | Kompas | 1.20000 | U.H |
| | | | | | | Laptop | 1.80000 | U.H |
| | | | | | | b) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.40000 | O.H |
| | | | | | | Staf Administrasi | 0.40000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.40000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.40000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 2.00000 | O.H |
| | | | | | | Buruh Lokal | 4.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.60000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.40000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 2.00000 | U.H |
| | | | | | | Kamera Digital | 2.40000 | U.H |
| | | | | | | Kompas | 2.40000 | U.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 3.60000 | U.H |
| | | | | | | Mobil | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas khusus, cuaca baik) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.20000 | O.H |
| | | | | | | Staf Administrasi | 0.20000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.20000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.20000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.80000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.20000 | U.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Helikopter | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.20000 | U.H |
| | | | | | | Kompas | 1.20000 | U.H |
| | | | | | | Laptop | 1.80000 | U.H |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Perlengkapan Flying Camp | 2.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.14286 | O.H |
| | | | | | | Staf Administrasi | 0.14286 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.14286 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.14286 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.71429 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Buruh Lokal | 1.42857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.28571 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.14286 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.71429 | U.H |
| | | | | | | Kamera Digital | 0.85714 | U.H |
| | | | | | | Kompas | 0.85714 | U.H |
| | | | | | | Laptop | 1.28571 | U.H |
| | | | | | | Mobil | 1.42857 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.19048 | O.H |
| | | | | | | Staf Administrasi | 0.19048 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.19048 | O.H |
| | | | | | | Surveyor Pengukuran | 0.19048 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|----------------------------------|----------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | sedang, cuaca buruk) | | | (Base) | | |
| | | | | | | Surveyor Pengukuran (Rover) | 0.95238 | O.H |
| | | | | | | Buruh Lokal | 1.90476 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.71429 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.19048 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.95238 | U.H |
| | | | | | | Kamera Digital | 1.14286 | U.H |
| | | | | | | Kompas | 1.14286 | U.H |
| | | | | | | Laptop | 1.71429 | U.H |
| | | | | | | Mobil | 1.90476 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan | Raw+Rinex data hasil pengukuran, | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.28571 | O.H |
| | | | | | | Staf Administrasi | 0.28571 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | | |
|---|---------|------|---|-----------|---|----------------------------|---------------------------------------|---------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Deskripsi Titik (dengan kesulitan aksesibilitas berat, cuaca buruk) | deskripsi | | Koordinator Pengukuran GCP | 0.28571 | O.H | |
| | | | | | | | Surveyor Pengukuran (Base) | 0.28571 | O.H |
| | | | | | | | Surveyor Pengukuran (Rover) | 1.42857 | O.H |
| | | | | | | | Buruh Lokal | 2.85714 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Akomodasi | 2.57143 | U.H |
| | | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.28571 | U.H |
| | | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.42857 | U.H |
| | | | | | | | Kamera Digital | 1.71429 | U.H |
| | | | | | | | Kapal | 2.85714 | U.H |
| | | | | | | | Kompas | 1.71429 | U.H |
| | | | | | | | Laptop | 2.57143 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.57143 | O.H |
| | | | | | | Staf Administrasi | 0.57143 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.57143 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.57143 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 2.85714 | O.H |
| | | | | | | Buruh Lokal | 5.71429 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 5.14286 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.57143 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 2.85714 | U.H |
| | | | | | | Kamera Digital | 3.42857 | U.H |
| | | | | | | Kompas | 3.42857 | U.H |
| | | | | | | Laptop | 5.14286 | U.H |
| | | | | | | Mobil | 5.71429 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.4. | Pengukuran GCP/ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas khusus, cuaca buruk) | Raw+Rinex data hasil pengukuran, deskripsi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.28571 | O.H |
| | | | | | | Staf Administrasi | 0.28571 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.28571 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.28571 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.42857 | O.H |
| | | | | | | Buruh Lokal | 2.85714 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.57143 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.28571 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.42857 | U.H |
| | | | | | | Helikopter | 1.42857 | U.H |
| | | | | | | Kamera Digital | 1.71429 | U.H |
| | | | | | | Kompas | 1.71429 | U.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|------------------------------------|-----------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 2.57143 | U.H |
| | | | | | | Mobil | 2.85714 | U.H |
| | | | | | | Perlengkapan Flying Camp | 2.85714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.5. | Pengolahan Data Pengukuran GCP/ICP | Koordinat GCP dan ICP | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.00714 | O.H |
| | | | | | | Staf Administrasi | 0.00714 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.00714 | O.H |
| | | | | | | Surveyor Pengolahan | 0.03571 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.05714 | U.H |
| | | | | | | Laptop | 0.05714 | U.H |
| | | | | | | Software GPS | 0.04286 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|-------------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.6. | Demobilisasi Pengukuran GCP | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket PP | 5.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.2.7. | Pelaporan Pengukuran GCP CTRM | Laporan Pengukuran GCP | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator | 2.00000 | O.H |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|-------------------------------------|-----------|-----------------------------|---------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Pengukuran GCP | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.11.3. | Penyiapan Data Penyelenggaraan CTRM | A.11.3.1. | Penyiapan alat dan personil | Dokumen pemeriksaan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | OH |
| | | | | | | Staf Administrasi | 0.33333 | OH |
| | | | | | | Koordinator Penyiapan Data Penyelenggaraan CTRM | 0.33333 | OH |
| | | | | | | Operator Penyiapan Data Penyelenggaraan CTRM | 1.00000 | OH |
| | | | | | | a) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|--------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.66667 | UH |
| | | | | | | PC Workstation | 1.33333 | UH |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software Pengolah Citra | 1.33333 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.3.2. | Penyiapan dan pengecekan kelengkapan data DEM, GCP, dan Citra | data masukan utama | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | OH |
| | | | | | | Staf Administrasi | 0.33333 | OH |
| | | | | | | Koordinator Penyiapan Data Penyelenggaraan CTRM | 0.33333 | OH |
| | | | | | | Operator Penyiapan Data Penyelenggaraan CTRM | 1.00000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.66667 | UH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1.33333 | UH |
| | | | | | | Software Pengolah Citra | 1.33333 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.3.3. | Penyeragaman Sistem Koordinat & Referensi data DEM dan GCP | data masukan utama yang seragam sistem koordinatnya | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | OH |
| | | | | | | Staf Administrasi | 0.33333 | OH |
| | | | | | | Koordinator Penyiapan Data Penyelenggaraan CTRM | 0.33333 | OH |
| | | | | | | Operator Penyiapan Data Penyelenggaraan CTRM | 1.00000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.66667 | UH |
| | | | | | | PC Workstation | 1.33333 | UH |
| | | | | | | Software Pengolah Citra | 1.33333 | UH |
| | | | | | | b) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---------------------------------|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.3.4. | Import data DEM, GCP, dan Citra | data masukan utama yang seragam sistem koordinatnya dan siap diolah | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | OH |
| | | | | | | Staf Administrasi | 0.33333 | OH |
| | | | | | | Koordinator Penyiapan Data Penyelenggaraan CTRM | 0.33333 | OH |
| | | | | | | Operator Penyiapan Data Penyelenggaraan CTRM | 1.00000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.66667 | UH |
| | | | | | | PC Workstation | 1.33333 | UH |
| | | | | | | Software Pengolah Citra | 1.33333 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|-------------------------------------|-----------|---|------------------------------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | (a+b+c) | | |
| | | A.11.3.5 | Pelaporan Penyiapan Data Pengolahan Data Citra Tegak Resolusi Menengah | Dokumen laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyiapan Data Penyelenggaraan CTRM | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.11.4. | Proses Orthorektifikasi Citra | A.11.4.1. | Penyiapan alat dan personil | Dokumen pemeriksaan alat dan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.33333 | OH |
| | | | | | | Staf Administrasi | 0.33333 | OH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|-------------------------------------|-------------------------------------|-----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | personil | | Koordinator Proses Orthorektifikasi Citra | 0.33333 | OH |
| | | | | | | Operator Proses Orthorektifikasi Citra | 1.00000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.66667 | UH |
| | | | | | | PC Workstation | 1.33333 | UH |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software Pengolah Citra | 1.33333 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.4.2. | Bundle Adjustment dan Pansharpening | Citra terkoreksi tegak pansharpened | km ² | Personil | | |
| | | | | | | Ketua Tim | 0.00028 | OH |
| | | | | | | Staf Administrasi | 0.00028 | OH |
| | | | | | | Koordinator Proses Orthorektifikasi | 0.00028 | OH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|-------------------------------|-----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Citra | | |
| | | | | | | Operator Proses Orthorektifikasi Citra | 0.00083 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00056 | UH |
| | | | | | | PC Workstation | 0.00111 | UH |
| | | | | | | Software Pengolah Citra | 0.00111 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.4.3. | Pembuatan Cutline, Colour Balancing, dan Mosaicking | mosaik citra terkoreksi tegak | km ² | Personil | | |
| | | | | | | Ketua Tim | 0.00028 | OH |
| | | | | | | Staf Administrasi | 0.00028 | OH |
| | | | | | | Koordinator Proses Orthorektifikasi Citra | 0.00028 | OH |
| | | | | | | Operator Proses Orthorektifikasi Citra | 0.00083 | OH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|-------------------|--|-----------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00056 | UH |
| | | | | | | PC Workstation | 0.00111 | UH |
| | | | | | | Software Pengolah Citra | 0.00111 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.4.4. | Tiling dan Export | Citra Tegak sesuai NLP atau batas administrasi | km ² | Personil | | |
| | | | | | | Ketua Tim | 0.00009 | OH |
| | | | | | | Staf Administrasi | 0.00009 | OH |
| | | | | | | Koordinator Proses Orthorektifikasi Citra | 0.00009 | OH |
| | | | | | | Operator Proses Orthorektifikasi Citra | 0.00028 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00019 | UH |
| | | | | | | PC Workstation | 0.00037 | UH |
| | | | | | | Software Pengolah | 0.00037 | UH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|----------|---|-----------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Citra | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.4.5 | Pelaporan Proses Orthorektifikasi Citra Tegak Resolusi Menengah | Dokumen laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Proses Orthorektifikasi Citra | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | | | |
|---|--|--------------|--|---|---------|--|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| A.11.5. | Pengujian Hasil Orthorektifikasi Citra | A.11.5.1. | Pengujian Hasil Orthorektifikasi Citra | Dokumen hasil pemeriksaan alat dan personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 0.33333 | OH | | |
| | | | | | | Staf Administrasi | 0.33333 | OH | | |
| | | | | | | Koordinator Pengujian Hasil Orthorektifikasi Citra | 0.33333 | OH | | |
| | | | | | | Operator Pengujian Hasil Orthorektifikasi Citra | 1.00000 | OH | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 0.66667 | UH | | |
| | | | | | | PC Workstation | 1.33333 | UH | | |
| | | | | | | Printer | 1.00000 | U.H. | | |
| | | Scanner | 1.00000 | U.H. | | | | | | |
| | | Software GIS | 1.33333 | UH | | | | | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | | | |
| | | A.11.5.2. | Pengujian Hasil | Citra tegak | Titik | Personil | | | | |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|--|--------------------------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Orthorektifikasi dengan Menggunakan ICP | sesuai spesifikasi | | Ketua Tim | 0.01026 | OH |
| | | | | | | Staf Administrasi | 0.01026 | OH |
| | | | | | | Koordinator Pengujian Hasil Orthorektifikasi Citra | 0.01026 | OH |
| | | | | | | Operator Pengujian Hasil Orthorektifikasi Citra | 0.03077 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.02051 | UH |
| | | | | | | PC Workstation | 0.04103 | UH |
| | | | | | | Software GIS | 0.04103 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.5.3. | Pengujian Hasil Orthorektifikasi dengan menggunakan data citra/foto udara dengan | Citra tegak sesuai spesifikasi | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.01026 | OH |
| | | | | | | Staf Administrasi | 0.01026 | OH |
| | | | | | | Koordinator Pengujian Hasil Orthorektifikasi | 0.01026 | OH |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|-----------|---|-----------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | ketelitian lebih tinggi | | | Citra | | |
| | | | | | | Operator Pengujian Hasil Orthorektifikasi Citra | 0.03077 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.02051 | UH |
| | | | | | | PC Workstation | 0.04103 | UH |
| | | | | | | Software GIS | 0.04103 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.11.5.4. | Pelaporan Proses Orthorektifikasi Citra Tegak Resolusi Menengah | Dokumen laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pengujian Hasil Orthorektifikasi Citra | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk | 0.00000 | U.H. |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---|----------|-------------------|-------------------|---------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Eksternal | | |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.11.6. | Pelaporan Penyelenggaraan Citra Tegak Resolusi Menengah | A.11.6.1 | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3.00000 | Rangkap |

| A.11. Penyelenggaraan Citra Tegak Resolusi Menengah | | | | | | | | |
|---|---------|------|-------------|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tinta Printer | 1.00000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisis Biaya Keluaran Kegiatan

k. Verifikasi data dasar yang dilakukan pihak non BIG

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Verifikasi data dasar yang dilakukan pihak non BIG dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Verifikasi data dasar yang dilakukan pihak non BIG

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

3. Kepadatan Objek (Fitur Data)

Jarang : Tutupan lahan bangunan dan vegetasi lebat mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan vegetasi lebat mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan vegetasi lebat mencakup >60% blok pekerjaan

4. Topografi

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

5. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

6. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

7. Kualitas Citra Satelit

Berawan : Tutupan awan mencakup >40% blok pekerjaan

Tidak Berawan : Tutupan Awan mencakup <40% blok pekerjaan

Tabel berikut menunjukkan besaran koefisien pada Verifikasi data dasar yang dilakukan pihak non BIG

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|-----------|----------|-----------------------------|---|---------|-------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.12.1 | Persiapan | A.12.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.00000 | O.H |
| | | | | | | Staf Administrasi | 4.00000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|------|-------------|--------------|--------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | dan Personil | | Koordinator Penyiapan Data | 4.00000 | O.H |
| | | | | | | Koordinator Pengecekan Data | 4.00000 | O.H |
| | | | | | | Koordinator Verifikasi | 4.00000 | O.H |
| | | | | | | Koordinator Uji Akurasi Atribut/Semanti k | 4.00000 | O.H |
| | | | | | | Koordinator Penyusunan Laporan Verifikasi Data Keseluruhan | 4.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Digital Stereoplotting Workstasion | 0.00000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.00000 | U.H |
| | | | | | | Kamera Digital | 0.00000 | U.H |
| | | | | | | Kompas | 0.00000 | U.H |
| | | | | | | Laptop | 0.00000 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|----------|--|-----------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Plotter | 0.00000 | U.H. |
| | | | | | | Printer | 0.00000 | U.H. |
| | | | | | | Scanner | 0.00000 | U.H. |
| | | | | | | Software Fotogrametri | 0.00000 | U.H. |
| | | | | | | Software GIS | 0.00000 | U.H. |
| | | | | | | Software GPS | 0.00000 | U.H. |
| | | | | | | Software Pengolah Citra | 0.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H. |
| | | | | | | Staf Administrasi | 2.00000 | O.H. |
| | | | | | | Koordinator Penyiapan Data | 2.00000 | O.H. |
| | | | | | | Koordinator Pengecekan Data | 2.00000 | O.H. |
| | | | | | | Koordinator Verifikasi | 2.00000 | O.H. |
| | | | | | | Koordinator Uji Akurasi Atribut/Semantik | 2.00000 | O.H. |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|----------|-------------|----------------------|---------|--|-----------|--------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator Penyusunan Laporan Verifikasi Data Keseluruhan | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 10.00000 | U.H. |
| | | | | | | Plotter | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | Software GIS | 10.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|----------------|-----------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.2 | Penyiapan Data | A.12.2.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | Koordinator Penyiapan Data | 5.00000 | O.H |
| | | | | | | Operator Penyiapan Data | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Digital Stereoplotting Workstasion | 10.00000 | U.H |
| | | | | | | Laptop | 10.00000 | U.H |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| | | | | | | Software | 10.00000 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Fotogrametri | | |
| | | | | | | Software GIS | 10.00000 | U.H |
| | | | | | | Software GPS | 10.00000 | U.H |
| | | | | | | Software Pengolah Citra | 10.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.2.2. | Pengumpulan Data dan Identifikasi Metoda yang Digunakan | Data yang akan diverifikasi dokumen metode yang digunakan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | Koordinator Penyiapan Data | 5.00000 | O.H |
| | | | | | | Operator Penyiapan Data | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Digital Stereoplotting Workstasion | 10.00000 | U.H |
| | | | | | | Laptop | 10.00000 | U.H |
| | | | | | | Software Fotogrametri | 10.00000 | U.H |
| | | | | | | Software GIS | 10.00000 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|-------------|------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GPS | 10.00000 | U.H |
| | | | | | | Software Pengolah Citra | 10.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.2.3. | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyiapan Data | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|-----------------|---|-----------------------------|------------------------------------|-------------------------|---|-----------|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.3 | Pengecekan Data | A.12.3.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Pengecekan Data | 1.00000 | O.H |
| | | | | | | Operator Pengecekan Data | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 | UH |
| | | | | | | PC Workstation | 2.00000 | UH |
| | | | | | | Printer | 1.00000 | U.H. |
| | | Scanner | 1.00000 | U.H. | | | | |
| | | Software GIS | 2.00000 | UH | | | | |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | | | A.12.3.1. | Pengecekan Riwayat Data | Riwayat Data (termasuk metode) | Dokumen | Personil |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | Koordinator Pengecekan Data | 5.00000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|----------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Operator Pengecekan Data | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | UH |
| | | | | | | PC Workstation | 10.00000 | UH |
| | | | | | | Software GIS | 10.00000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.3.2. | Pengecekan terhadap Data yang Lebih Teliti | Tingkat akurasi data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | Koordinator Pengecekan Data | 5.00000 | O.H |
| | | | | | | Operator Pengecekan Data | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | UH |
| | | | | | | PC Workstation | 10.00000 | UH |
| | | | | | | Software GIS | 10.00000 | UH |
| | | | | | | b) Jumlah | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|--------------------------|-----------|-----------------------------|---------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.3.3. | Pelaporan | Laporan Pengecekan Riwayat Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Pengecekan Data | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.4. | Pengecekan terhadap Data | A.12.4.1. | Persiapan Alat dan Personil | Dokumen kesiapan alat | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.50000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|-------------------|-----------|--|------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | yang Lebih Teliti | | Pengecekan Terhadap Data yang Lebih Teliti | dan personil | | Staf Administrasi | 0.50000 | O.H |
| | | | | | | Koordinator Verifikasi | 0.50000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.50000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | GPS Geodetik dan Kelengkapannya | 2.00000 | U.H |
| | | | | | | Kamera Digital | 2.00000 | U.H |
| | | | | | | Kompas | 2.00000 | U.H |
| | | | | | | Printer | 1.00000 | U.H |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.50000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.2. | Pengecekan terhadap Data | Data yang Lebih Teliti | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.50000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | yang Lebih Teliti | | | Staf Administrasi | 0.50000 | O.H |
| | | | | | | Koordinator Verifikasi | 0.50000 | O.H |
| | | | | | | Surveyor Pengukuran | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.00000 | U.H |
| | | | | | | PC Workstation | 1.50000 | U.H |
| | | | | | | Software GIS | 1.50000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.3. | atau Uji Geometri Pengukuran di Lapangan (ICP) Pembuatan Rencana Distribusi ICP | Rencana Distribusi ICP | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Verifikasi | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 | U.H |
| | | | | | | PC Workstation | 3.00000 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|------------------------------|-------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 3.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.4. | Mobilisasi | Berita acara mobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Verifikasi | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 0.00000 | U.H |
| | | | | | | Tiket PP | 0.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan | Raw+Rinex data hasil | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.10000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|------|---|------------|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Deskripsi Titik (dengan kesulitan aksesibilitas rendah, cuaca baik) | pengukuran | | Staf Administrasi | 0.10000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.10000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.10000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.20000 | O.H |
| | | | | | | Buruh Lokal | 0.40000 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Akomodasi | 1.00000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.10000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.20000 | U.H |
| | | | | | | Kamera Digital | 0.30000 | U.H |
| | | | | | | Kompas | 0.30000 | U.H |
| | | | | | | Laptop | 0.60000 | U.H |
| | | | | | | Mobil | 0.40000 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | | | |
| c) Jumlah | | | | | | | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sedang, cuaca baik) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.12500 | O.H |
| | | | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.12500 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.12500 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.25000 | O.H |
| | | | | | | Buruh Lokal | 0.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.25000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.12500 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.25000 | U.H |
| | | | | | | Kamera Digital | 0.37500 | U.H |
| | | | | | | Kompas | 0.37500 | U.H |
| | | | | | | Laptop | 0.75000 | U.H |
| | | | | | | Mobil | 0.50000 | U.H |
| | | | | | | b) Jumlah | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas berat, cuaca baik) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.12500 | O.H |
| | | | | | | Staf Administrasi | 0.12500 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.12500 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.12500 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.25000 | O.H |
| | | | | | | Buruh Lokal | 0.50000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.25000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.12500 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.25000 | U.H |
| | | | | | | Kamera Digital | 0.37500 | U.H |
| | | | | | | Kompas | 0.37500 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 0.75000 | U.H |
| | | | | | | Kapal | 0.50000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sangat berat, cuaca baik) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.25000 | O.H |
| | | | | | | Staf Administrasi | 0.25000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.25000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.25000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.50000 | O.H |
| | | | | | | Buruh Lokal | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 2.50000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.25000 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.50000 | U.H |
| | | | | | | Kamera Digital | 0.75000 | U.H |
| | | | | | | Kompas | 0.75000 | U.H |
| | | | | | | Laptop | 1.50000 | U.H |
| | | | | | | Mobil | 1.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas khusus, cuaca baik) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.50000 | O.H |
| | | | | | | Staf Administrasi | 0.50000 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.50000 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.50000 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.00000 | O.H |
| | | | | | | Buruh Lokal | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Akomodasi | 5.00000 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.50000 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.00000 | U.H |
| | | | | | | Helikopter | 1.00000 | U.H |
| | | | | | | Kamera Digital | 1.50000 | U.H |
| | | | | | | Kompas | 1.50000 | U.H |
| | | | | | | Laptop | 3.00000 | U.H |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Perlengkapan Flying Camp | 2.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas rendah, cuaca buruk) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.14286 | O.H |
| | | | | | | Staf Administrasi | 0.14286 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.14286 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.14286 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Surveyor Pengukuran (Rover) | 0.28571 | O.H |
| | | | | | | Buruh Lokal | 0.57143 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.42857 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.14286 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.28571 | U.H |
| | | | | | | Kamera Digital | 0.42857 | U.H |
| | | | | | | Kompas | 0.42857 | U.H |
| | | | | | | Laptop | 0.85714 | U.H |
| | | | | | | Mobil | 0.57143 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.17857 | O.H |
| | | | | | | Staf Administrasi | 0.17857 | O.H |
| | | | | | | Koordinator | 0.17857 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|------|--|--------|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | kesulitan aksesibilitas sedang, cuaca buruk) | | | Pengukuran GCP | | |
| | | | | | | Surveyor Pengukuran (Base) | 0.17857 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.35714 | O.H |
| | | | | | | Buruh Lokal | 0.71429 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Akomodasi | 1.78571 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.17857 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.35714 | U.H |
| | | | | | | Kamera Digital | 0.53571 | U.H |
| | | | | | | Kompas | 0.53571 | U.H |
| | | | | | | Laptop | 1.07143 | U.H |
| | | | | | | Mobil | 0.71429 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|--|---------------------------------|--------|---------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas berat, cuaca buruk) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.17857 | O.H |
| | | | | | | Staf Administrasi | 0.17857 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.17857 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.17857 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.35714 | O.H |
| | | | | | | Buruh Lokal | 0.71429 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 1.78571 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.17857 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.35714 | U.H |
| | | | | | | Kamera Digital | 0.53571 | U.H |
| | | | | | | Kompas | 0.53571 | U.H |
| | | | | | | Laptop | 1.07143 | U.H |
| | | | | | | Kapal | 0.71429 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas sangat berat, cuaca buruk) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.35714 | O.H |
| | | | | | | Staf Administrasi | 0.35714 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.35714 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.35714 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 0.71429 | O.H |
| | | | | | | Buruh Lokal | 1.42857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 3.57143 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.35714 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 0.71429 | U.H |
| | | | | | | Kamera Digital | 1.07143 | U.H |
| | | | | | | Kompas | 1.07143 | U.H |
| | | | | | | Laptop | 2.14286 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Mobil | 1.42857 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.5. | Pengukuran ICP dan Pembuatan Deskripsi Titik (dengan kesulitan aksesibilitas khusus, cuaca buruk) | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.71429 | O.H |
| | | | | | | Staf Administrasi | 0.71429 | O.H |
| | | | | | | Koordinator Pengukuran GCP | 0.71429 | O.H |
| | | | | | | Surveyor Pengukuran (Base) | 0.71429 | O.H |
| | | | | | | Surveyor Pengukuran (Rover) | 1.42857 | O.H |
| | | | | | | Buruh Lokal | 2.85714 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 7.14286 | U.H |
| | | | | | | GPS Geodetik Base dan Kelengkapannya | 0.71429 | U.H |
| | | | | | | GPS Geodetik Rover dan Kelengkapannya | 1.42857 | U.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|----------------------------|---------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Helikopter | 1.42857 | U.H |
| | | | | | | Kamera Digital | 2.14286 | U.H |
| | | | | | | Kompas | 2.14286 | U.H |
| | | | | | | Laptop | 4.28571 | U.H |
| | | | | | | Mobil | 2.85714 | U.H |
| | | | | | | Perlengkapan Flying Camp | 2.85714 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.6. | Pengolahan Data Pengukuran | Raw+Rinex data hasil pengukuran | Titik | Personil | | |
| | | | | | | Ketua Tim | 0.02778 | O.H |
| | | | | | | Staf Administrasi | 0.02778 | O.H |
| | | | | | | Koordinator Verifikasi | 0.02778 | O.H |
| | | | | | | Surveyor Pengolahan | 0.05556 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Akomodasi | 0.13889 | U.H |
| | | | | | | Laptop | 0.13889 | U.H |
| | | | | | | Software GPS | 0.08333 | U.H |
| | | | | | | b) Jumlah | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|-------------------------------|---------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.7. | Demobilisasi | Berita acara demobilisasi | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H |
| | | | | | | Koordinator Verifikasi | 1.00000 | O.H |
| | | | | | | Surveyor Pengukuran | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Mobil | 2.00000 | U.H |
| | | | | | | Tiket PP | 4.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.4.8. | Pelaporan Pengukuran GCP CTRM | Laporan Pengukuran GCP | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Verifikasi | 2.00000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|------------------------------|-----------|-----------------------------|------------------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.5 | Uji Akurasi Atribut/Semantik | A.12.5.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 0.50000 | O.H |
| | | | | | | Staf Administrasi | 0.50000 | O.H |
| | | | | | | Koordinator Uji Akurasi Atribut/Semantik | 0.50000 | O.H |
| | | | | | | Operator Uji Akurasi Atribut/Semantik | 1.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|---|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 1.00000 | UH |
| | | | | | | PC Workstation | 1.50000 | UH |
| | | | | | | Printer | 1.00000 | U.H. |
| | | | | | | Scanner | 1.00000 | U.H. |
| | | | | | | Software GIS | 1.50000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.5.2. | Memeriksa skema data dan membandingkan dengan standar KUG | Rekapitulasi hasil pemeriksaan | GDB | Personil | | |
| | | | | | | Ketua Tim | 1.50000 | O.H |
| | | | | | | Staf Administrasi | 1.50000 | O.H |
| | | | | | | Koordinator Uji Akurasi Atribut/Semantik | 1.50000 | O.H |
| | | | | | | Operator Uji Akurasi Atribut/Semantik | 3.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.00000 | UH |
| | | | | | | PC Workstation | 4.50000 | UH |
| | | | | | | Software GIS | 4.50000 | UH |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|-----------|------------------------|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.12.5.3. | Memeriksa atribut data | Rekapitulasi hasil pemeriksaan | GDB | Personil | | |
| | | | | | | Ketua Tim | 1.50000 | O.H |
| | | | | | | Staf Administrasi | 1.50000 | O.H |
| | | | | | | Koordinator Uji Akurasi Atribut/Semantik | 1.50000 | O.H |
| | | | | | | Operator Uji Akurasi Atribut/Semantik | 3.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.00000 | UH |
| | | | | | | PC Workstation | 4.50000 | UH |
| | | | | | | Software GIS | 4.50000 | UH |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|------------------------------------|-----------|---|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tahapan (a+b+c) | | |
| | | A.12.5.4. | Pelaporan | Pemeriksaan terhadap Kualitas Data Atribut/Semantik | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Uji Akurasi Atribut/Semantik | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.6 | Penyusunan Laporan Verifikasi Data | A.12.6.1. | Kompilasi hasil keseluruhan pemeriksaan | Dokumen hasil verifikasi data dasar | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.00000 | O.H |
| | | | | | | Staf Administrasi | 3.00000 | O.H |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|-------------|----------|----------------------|----------------------|---------|--|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | Keseluruhan | | | | | Koordinator Penyusunan Laporan Verifikasi Data Keseluruhan | 3.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 6.00000 | U.H. |
| | | | | | | PC Workstation | 3.00000 | U.H. |
| | | | | | | Printer | 3.00000 | U.H. |
| | | | | | | Scanner | 3.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| A.12.7 | Pelaporan | A.12.7.1 | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |

| A.12. Verifikasi data dasar yang dilakukan pihak non BIG | | | | | | | | |
|--|---------|------|-------------|--------|--------|---|-----------|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3.00000 | Rangka p |
| | | | | | | Tinta Printer | 1.00000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisis Biaya Keluaran Kegiatan

1. Penyajian Kartografis Peta Rupabumi Indonesia

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Penyajian Kartografis Peta RBI dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Penyajian Kartografis Peta RBI

1. Cuaca

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

2. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan

Sedang : 11 kota macet menurut Kementerian Perhubungan

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

3. Kepadatan Objek (Fitur Data)

Jarang : Tutupan lahan bangunan dan vegetasi lebat mencakup <30% blok pekerjaan

Sedang : Tutupan lahan bangunan dan vegetasi lebat mencakup 30%-60% blok pekerjaan

Padat : Tutupan lahan bangunan dan vegetasi lebat mencakup >60% blok pekerjaan

4. Topografi

Landai : Bentuk topografi dengan kelerengan <20%

Berbukit : Bentuk topografi dengan kelerengan >20%

5. Tingkat Traffic Bandara

Rendah : Bandara yang bukan merupakan Bandara Internasional dan tidak terdapat pangkalan TNI AU

Sedang : Bandara yang terdapat Pangkalan TNI AU

Padat : Bandara yang merupakan Bandara Internasional dan terdapat Pangkalan TNI AU

6. Waktu Tempuh Fieldbase-AOI

Cepat : Jika waktu tempuh dari Fieldbase ke Area Pemotretan < 1 jam

Sedang : Jika waktu tempuh dari Fieldbase ke Area Pemotretan antara 1-2 jam

Lama : Jika waktu tempuh dari Fieldbase ke Area Pemotretan > 2 jam

7. Kualitas Citra Satelit

Berawan : Tutupan awan mencakup >40% blok pekerjaan

Tidak Berawan : Tutupan Awan mencakup <40% blok pekerjaan

Tabel berikut menunjukkan besaran koefisien pada Penyajian Kartografis Peta RBI

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|-----------|----------|-----------------------------|---------------------------|---------|-------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.14.1. | Persiapan | A.14.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4.00000 | O.H |
| | | | | | | Staf Administrasi | 4.00000 | O.H |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|--|----------------------------|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Kesiapan Alat dan Personil | | Koordinator Penyajian Kartografis | 4.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.00000 | U.H |
| | | | | | | PC Workstation | 0.00000 | U.H |
| | | | | | | Plotter | 0.00000 | U.H. |
| | | | | | | Printer | 0.00000 | U.H. |
| | | | | | | Scanner | 0.00000 | U.H. |
| | | | | | | Software Desain Grafis | 0.00000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|-------------|-------------------|---------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Plotter | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 1.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | | | |
|---|----------------|---|-----------------------------|------------------------------------|----------------|---|------------------|---------------|---------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| A.14.2. | Penyiapan Data | A.14.2.1 | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 1.00000 | O.H | | |
| | | | | | | Staf Administrasi | 1.00000 | O.H | | |
| | | | | | | Koordinator Penyajian Kartografis | 1.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 2.00000 | U.H. | | |
| | | | | | | PC Workstation | 1.00000 | U.H. | | |
| | | | | | | Printer | 1.00000 | U.H. | | |
| | | | | | | Scanner | 1.00000 | U.H. | | |
| | | Software Kartografis berbasis GIS | 1.00000 | U.H. | | | | | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | | A.14.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | | | Ketua Tim | 1.00000 | O.H |
| | | | | | | Staf Administrasi | 1.00000 | O.H | | |
| | | | | | | Koordinator Penyajian Kartografis | 1.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|---|----------------|-------------|--------------------|------------------------------|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 2.00000 | U.H. |
| | | | | | | PC Workstation | 1.00000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 1.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 | O.H |
| | | | | | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | | | |
|---|--|--|--------------------------------|------------------------------------|---------------|-----------------------------------|------------------|---------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| A.14.3. | Penyajian kartografis peta RBI Skala Besar | A.14.3.1 | Penyiapan Alat dan Personil | Dokumen Kesiapan Alat dan Personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 0.08333 | O.H | | |
| | | | | | | Staf Administrasi | 0.08333 | O.H | | |
| | | | | | | Koordinator Penyajian Kartografis | 0.16667 | O.H | | |
| | | | | | | Operator Penyajian Kartografis | 1.00000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 0.16667 | U.H. | | |
| | | | | | | PC Workstation | 1.16667 | U.H. | | |
| | | | | | | Plotter | 1.00000 | U.H. | | |
| | | Printer | 1.00000 | U.H. | | | | | | |
| | | Scanner | 1.00000 | U.H. | | | | | | |
| | | Software Desain Grafis | 0.08333 | U.H. | | | | | | |
| | | Software Kartografis berbasis GIS | 1.16667 | U.H. | | | | | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | A.14.3.2 | Penyiapan Basisdata Kartografi | Basisdata Kartografi | GDB | Personil | | | | |
| | | | | | | Ketua Tim | 0.05952 | O.H | | |
| Staf Administrasi | 0.05952 | | | | | O.H | | | | |
| Koordinator Penyajian Kartografis | 0.11905 | | | | | O.H | | | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|--------------------------------------|---------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Operator Penyajian Kartografis | 0.71429 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.11905 | U.H. |
| | | | | | | PC Workstation | 0.83333 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.83333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.3 | Penyusunan Cartographic Driven Table | Cartographic Driven Table | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.01190 | O.H |
| | | | | | | Staf Administrasi | 0.01190 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.02381 | O.H |
| | | | | | | Operator Penyajian Kartografis | 0.14286 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.02381 | U.H. |
| | | | | | | PC Workstation | 0.16667 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.16667 | U.H. |
| | | | | | | b) Jumlah | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.4 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.09524 | O.H |
| | | | | | | Staf Administrasi | 0.09524 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.19048 | O.H |
| | | | | | | Operator Penyajian Kartografis | 1.14286 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.19048 | U.H. |
| | | | | | | PC Workstation | 1.33333 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 1.33333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.5 | Editing kartografi | Pengaturan dan perubahan dalam layout | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.21429 | O.H |
| | | | | | | Staf Administrasi | 0.21429 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.42857 | O.H |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|--|----------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | sesuai standar kartografi | | Operator Penyajian Kartografis | 2.57143 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.42857 | U.H. |
| | | | | | | PC Workstation | 3.00000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 3.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.6 | Separasi Warna Hasil Layout Kartografis Peta RBI | Hasil separasi warna (pdf) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.02381 | O.H |
| | | | | | | Staf Administrasi | 0.02381 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.04762 | O.H |
| | | | | | | Operator Penyajian Kartografis | 0.28571 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.04762 | U.H. |
| | | | | | | PC Workstation | 0.33333 | U.H. |
| | | | | | | Software Desain Grafis | 0.00000 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.33333 | U.H. |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|---|---------------------------------|--------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.7 | Pencetakan Coba Hasil Layout Kartografis Peta RBI | Hasil cetak coba separasi warna | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.00595 | O.H |
| | | | | | | Staf Administrasi | 0.00595 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.01190 | O.H |
| | | | | | | Operator Penyajian Kartografis | 0.07143 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.01190 | U.H. |
| | | | | | | PC Workstation | 0.08333 | U.H. |
| | | | | | | Plotter | 0.07143 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.08333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Kertas separasi warna | 12.00000 | lembar A0 |
| | | | | | | Tinta Plotter | 0.00020 | Paket |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|--|----------------------------------|--------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.8 | Pencetakan Draft Layout Kartografis Peta RBI | hasil draft peta tiap NLP | NLP | Personil | | |
| | | | | Hasil cetak draft separasi warna | | Ketua Tim | 0.00595 | O.H |
| | | | | | | Staf Administrasi | 0.00595 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.01190 | O.H |
| | | | | | | Operator Penyajian Kartografis | 0.07143 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.01190 | U.H. |
| | | | | | | PC Workstation | 0.08333 | U.H. |
| | | | | | | Plotter | 0.07143 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.08333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 2.00000 | lembar A0 |
| | | | | | | Kertas separasi warna | 12.00000 | lembar A0 |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|----------|---------------------|----------------------------|--------|---|-----------|-----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.9 | Pencetakan Peta RBI | hasil peta RBI tiap NLP | NLP | Personil | | |
| | | | | hasil cetak separasi warna | | Ketua Tim | 0.00595 | O.H |
| | | | | | | Staf Administrasi | 0.00595 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 0.01190 | O.H |
| | | | | | | Operator Penyajian Kartografis | 0.07143 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.01190 | U.H. |
| | | | | | | PC Workstation | 0.08333 | U.H. |
| | | | | | | Plotter | 0.07143 | U.H. |
| | | | | | | Software Kartografis berbasis GIS | 0.08333 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Kertas Peta | 3.00000 | lembar A0 |
| | | | | | | Kertas separasi warna | 18.00000 | lembar A0 |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|--------------------------------------|---------|-----------|-------------|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tinta Plotter | 0.00020 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | A.14.3.10 | Pelaporan | Laporan Penyajian kartografis peta RBI | Dokumen | Personil | | |
| | | | | Album peta (draft dan akhir) | | Ketua Tim | 2.00000 | O.H |
| | | | | soft copy data | | Staf Administrasi | 2.00000 | O.H |
| | | | | | | Koordinator Penyajian Kartografis | 2.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Harddisk Eksternal | 0.00000 | U.H. |
| | | | | | | Laptop | 4.00000 | U.H. |
| | | | | | | PC Workstation | 2.00000 | U.H. |
| | | | | | | Printer | 2.00000 | U.H. |
| | | | | | | Scanner | 2.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 2.00000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| A.13. Penyajian Kartografis Peta RBI | | | | | | | | |
|---|----------------|-------------|--------------------|-------------------|---------------|--|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| A.14.4. | Pelaporan | A.14.4.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.00000 | O.H |
| | | | | | | Staf Administrasi | 5.00000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 10.00000 | U.H. |
| | | | | | | Printer | 5.00000 | U.H. |
| | | | | | | Scanner | 5.00000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 | Set |
| | | | | | | Harddisk Eksternal | 1.00000 | Unit |
| | | | | | | Kertas HVS A4 | 2.00000 | RIM |
| | | | | | | Penjilidan | 3.00000 | Rangkap |
| | | | | | | Tinta Printer | 1.00000 | Paket |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

Analisa Biaya Keluaran Kegiatan

m. Pembuatan Peta LPI (Lingkungan Pantai Indonesia)

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan Peta LPI (Lingkungan Pantai Indonesia) dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembuatan Peta LPI (Lingkungan Pantai Indonesia):

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktivitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktivitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Pembuatan Peta LPI (Lingkungan Pantai Indonesia):

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|----------------|---|-----------------------------------|---------------------------------------|----------|------------------------|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.3.1 | Persiapan Umum | D.3.1.1 | Penyiapan Dokumen Administrasi | Dokumen Surat Izin dan Administrasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.0000 0000 | U.H |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | ATK | 1.0000 0000 | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.3.1.2 | Penyusunan Rencana Kerja Kegiatan | Dokumen Rencana Detail Kerja Kegiatan | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | Koordinator Kartografi | 2.0000 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|----------------|------------------------------------|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Operator SIG | 2.0000 0000 | O.H |
| | | | | | | Operator Kartografi | 2.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 8.0000 0000 | U.H |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | Software CAD | 2.0000 0000 | U.H |
| | | | | | | Software SIG | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.1.3 | Penyiapan Alat Dan Personil | Dokumen Report Kelengkapan Alat dan | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.0000 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|---------------------|--------------------------------|------------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | Personil | | Koordinator SIG | 3.0000 0000 | O.H |
| | | | | | | Koordinator Kartografi | 3.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 3.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. 1.4 | Pelaporan Persiapan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 3.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 6.0000 0000 | U.H |
| | | | | | | Printer | 3.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|-----------------|---|--------------------------------------|---------------------------|----------------|---|--|----------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.3.2. | Penyiapan Data | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | | | | D.3.2.1 | Persiapan Personil dan Alat Penyiapan Data | Set File |
| | | | Ketua Tim | | 1.0000 0000 | O.H | | |
| | | | Koordinator SIG | | 1.0000 0000 | O.H | | |
| | | | Staff Administrasi | | 1.0000 0000 | O.H | | |
| | | a) Jumlah | | | | | | |
| | | | Alat | | | | | |
| | | | Laptop | | 2.0000 0000 | U.H | | |
| | | | Printer | | 1.0000 0000 | U.H | | |
| | | | PC Workstation | | 2.0000 0000 | U.H | | |
| | | b) Jumlah | | | | | | |
| | | | Bahan | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.3.2.2 | Pengumpulan data penunjang/s ekunder | Data Penunjang (Sekunder) | Set File | Personil | | |
| | Ketua Tim | | 7.0000 0000 | O.H | | | | |
| | Koordinator SIG | | 7.0000 | O.H | | | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|---------------------|---|---|---------|---|-----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Staff Administrasi | 7.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 14.000 00000 | U.H |
| | | | | | | PC Workstation | 14.000 00000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. 2.3 | Pelaporan Penyiapan Data | Laporan Persiapan Teknis | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 1.0000 0000 | |
| | | | | | | Laptop | 2.0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---|-----------------|---|--------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.3. | Evaluasi dan pengolahan awal sumber data (sekunder/pe nunjang) | D.3.3.1. | Persiapan Personil dan Alat Evaluasi dan pengolahan awal sumber data (sekunder/pe nunjang) | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|-------------|--|------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. | Digitasi IG | Geodatabase | NLP | Personil | | |
| | | 3.2. | Unsur Laut | IG unsur laut, | | Ketua Tim | 0.2000 | O.H |
| | | | (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase breakline | | Staf Administrasi | 0.2000 | O.H |
| | | | | | | Koordinator SIG | 0.2000 | O.H |
| | | | | | | Operator SIG | 1.0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.4000 | U.H |
| | | | | | | PC Workstation | 1.2000 | U.H |
| | | | | | | Software GIS | 1.2000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Digitasi IG | Geodatabase | NLP | Personil | | |
| | | | Unsur Laut | IG unsur | | Ketua Tim | 0.4000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | | |
|------------------------|---------|------|--|--|--------|-----------------|---|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | laut, Geodatabase breakline | | | 0000 | | |
| | | | | | | | Staf Administrasi | 0.4000 0000 | O.H |
| | | | | | | | Koordinator SIG | 0.4000 0000 | O.H |
| | | | | | | | Operator SIG | 2.0000 0000 | O.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.8000 0000 | U.H |
| | | | | | | | PC Workstation | 2.4000 0000 | U.H |
| | | | | | | | Software GIS | 2.4000 0000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Digitasi IG Unsur Laut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG unsur laut, Geodatabase breakline | NLP | Personil | | | |
| | | | | | | | Ketua Tim | 0.6000 0000 | O.H |
| | | | | | | | Staf Administrasi | 0.6000 0000 | O.H |
| | | | | | | | Koordinator SIG | 0.6000 0000 | O.H |
| | | | | | | | Operator SIG | 3.0000 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|---|--|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.2000 0000 | U.H |
| | | | | | | PC Workstation | 3.6000 0000 | U.H |
| | | | | | | Software GIS | 3.6000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.3.3 | Evaluasi Kualitas Data penunjang | Sumber data yang telah bebas kesalahan (sistem proyeksi, topologi, kelengkapan atribut) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1000 0000 | O.H |
| | | | | | | Staf Administrasi | 0.1000 0000 | O.H |
| | | | | | | Koordinator SIG | 0.1000 0000 | O.H |
| | | | | | | Operator SIG | 0.5000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2000 0000 | U.H |
| | | | | | | PC Workstation | 0.6000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|---|---|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Software SIG | 0.6000 0000 | U.H |
| | | | | | | Digital Camera | 0.5000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.3.4 | Pelaporan Evaluasi dan Pengolahan awal sumber data (sekunder/pe nunjang) | Laporan Evaluasi dan Pengolahan awal sumber data (sekunder/pe nunjang) | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---|----------|---|--------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.4. | Entry dan evaluasi sumber data Sekunder dalam <i>gdb seamless</i> | D.3.4.1. | Persiapan Personil dan Alat Entry dan evaluasi sumber data Sekunder dalam <i>gdb seamless</i> | | | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3. | Entry dan | D.3. | Entry dan | Gdb | Gdb | Personil | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|--|-------------|--|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | 4.2 | evaluasi sumber data sekunder dalam gdb seamless | seamless telah diisikan data sekunder | | Ketua Tim | 0.1000 0000 | O.H |
| | | | | | | Staf Administrasi | 0.1000 0000 | O.H |
| | | | | | | Koordinator SIG | 0.1000 0000 | O.H |
| | | | | | | Operator SIG | 0.5000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2000 0000 | U.H |
| | | | | | | PC Workstation | 0.6000 0000 | U.H |
| | | | | | | Software SIG | 0.6000 0000 | U.H |
| | | | | | | Digital Camera | 0.5000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.4.3 | Pelaporan Entry dan evaluasi sumber data Sekunder dalam gdb | 4.3 | Pelaporan Entry dan evaluasi sumber data Sekunder dalam gdb | Laporan Entry dan evaluasi sumber data dalam gdb seamless | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---|----------|---|--------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | seamless | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.5. | Evaluasi dan pengolahan awal sumber data laut | D.3.5.1. | Persiapan Personil dan Alat Evaluasi dan pengolahan awal sumber data laut | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|-------------------------------------|---|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.5.2 | Evaluasi Kualitas Data Utama | Data utama telah dievaluasi kualitasnya (sistem proyeksi, topologi, kelengkapan atribut) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.1000 0000 | O.H |
| | | | | | | Staf Administrasi | 0.1000 0000 | O.H |
| | | | | | | Koordinator SIG | 0.1000 0000 | O.H |
| | | | | | | Operator SIG | 0.5000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2000 0000 | U.H |
| | | | | | | PC Workstation | 0.6000 0000 | U.H |
| | | | | | | Software SIG | 0.6000 0000 | U.H |
| | | | | | | Kamera Digital | 0.5000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|--|--|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.5.3 | Pelaporan Evaluasi dan pengolahan awal sumber data laut | Laporan Evaluasi dan pengolahan awal sumber data laut | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.3 Pembuatan Peta LPI | | | | | | | | | | |
|------------------------|----------------------------------|---|--|---|----------|-------------------|----------------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.3.6. | Pembentukan Topologi dan Poligon | D.3.6.1 | Persiapan Personil dan Alat Pembentukan Topologi dan Poligon | | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H | | |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H | | |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 2.0000 0000 | U.H | | |
| | | | | | | PC Workstation | 2.0000 0000 | U.H | | |
| | | | | | | Printer | 1.0000 0000 | U.H | | |
| | | | | | | Software GIS | 2.0000 0000 | U.H | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.3.6.2 | Pembentukan Topologi dan Editing Topologi (Tingkat | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | | | |
| | | | | | | Ketua Tim | 0.1600 0000 | O.H | | |
| Staf Administrasi | 0.1600 0000 | | | | | O.H | | | | |

| D.3 Pembuatan Peta LPI | | | | | | | | | | | |
|------------------------|---------|------|--|--|----------|-------------------|----------------|--------|--|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Kepadatan Fitur Data : Jarang) | | | Koordinator SIG | 0.1600 0000 | O.H | | | |
| | | | | | | Operator SIG | 0.8000 0000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 0.3200 0000 | U.H | | | |
| | | | | | | PC Workstation | 0.9600 0000 | U.H | | | |
| | | | | | | Software GIS | 0.9600 0000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | | | | |
| | | | | | | Ketua Tim | 0.2400 0000 | O.H | | | |
| | | | | | | Staf Administrasi | 0.2400 0000 | O.H | | | |
| | | | | | | Koordinator SIG | 0.2400 0000 | O.H | | | |
| | | | | | | Operator SIG | 1.2000 0000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | Alat | | | | | | | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|------|--|--|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 0.4800 0000 | U.H |
| | | | | | | PC Workstation | 1.4400 0000 | U.H |
| | | | | | | Software GIS | 1.4400 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 0.3200 0000 | O.H |
| | | | | | | Staf Administrasi | 0.3200 0000 | O.H |
| | | | | | | Koordinator SIG | 0.3200 0000 | O.H |
| | | | | | | Operator SIG | 1.6000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.6400 0000 | U.H |
| | | | | | | PC Workstation | 1.9200 0000 | U.H |
| | | | | | | Software GIS | 1.9200 0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|--|---|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.6.3 | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.1600 0000 | O.H |
| | | | | | | Staf Administrasi | 0.1600 0000 | O.H |
| | | | | | | Koordinator SIG | 0.1600 0000 | O.H |
| | | | | | | Operator SIG | 0.8000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3200 0000 | U.H |
| | | | | | | PC Workstation | 0.9600 0000 | U.H |
| | | | | | | Software GIS | 0.9600 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.3 Pembuatan Peta LPI | | | | | | | | | | | |
|------------------------|---------|------|---|---|----------|-----------------|-----------|--------|---|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.2400 0000 | O.H |
| | | | | | | | | | Staf Administrasi | 0.2400 0000 | O.H |
| | | | | | | | | | Koordinator SIG | 0.2400 0000 | O.H |
| | | | | | | | | | Operator SIG | 1.2000 0000 | O.H |
| | | | | | | | | | a) Jumlah | | |
| | | | | | | | | | Alat | | |
| | | | | | | | | | Laptop | 0.4800 0000 | U.H |
| | | | | | | | | | PC Workstation | 1.4400 0000 | U.H |
| | | | | | | | | | Software GIS | 1.4400 0000 | U.H |
| | | | | | | | | | b) Jumlah | | |
| | | | | | | | | | Bahan | | |
| | | | | | | | | | c) Jumlah | | |
| | | | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon (Tingkat | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | | | | |
| | | | | | | | | | Ketua Tim | 0.3200 0000 | O.H |
| | | | | | | | | | Staf Administrasi | 0.3200 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | | |
|------------------------|---------|---------|-------------------------------|--|--|-------------------|---|----------------|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | |
| | | | Kepadatan Fitur Data : Padat) | | | Koordinator SIG | 0.3200 0000 | O.H | |
| | | | | | | | Operator SIG | 1.6000 0000 | O.H |
| | | | | | | | a) Jumlah | | |
| | | | | | | | Alat | | |
| | | | | | | | Laptop | 0.6400 0000 | U.H |
| | | | | | | | PC Workstation | 1.9200 0000 | U.H |
| | | | | | | | Software GIS | 1.9200 0000 | U.H |
| | | | | | | | b) Jumlah | | |
| | | | | | | | Bahan | | |
| | | | | | | | | | |
| | | | | | | | c) Jumlah | | |
| | | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.6.4 | | Pelaporan Pembentukan Topologi dan Poligon | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H | |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H | |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H | |
| | | | | | | a) Jumlah | | | |
| | | | | | | Alat | | | |
| | | | | | | Laptop | 4.0000 0000 | U.H | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|------------------------|----------------|--|--------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.7. | Pembentukan DTM | D.3.7.1 | Persiapan Personil dan Alat Pembentukan DTM | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|------------------------------------|----------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.7.2 | Pembentukan dan Editing DTM | File DTM | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.6400 0000 | O.H |
| | | | | | | Staf Administrasi | 0.6400 0000 | O.H |
| | | | | | | Koordinator SIG | 0.6400 0000 | O.H |
| | | | | | | Operator SIG | 3.2000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.2800 0000 | U.H |
| | | | | | | PC Workstation | 3.8400 0000 | U.H |
| | | | | | | Software GIS | 3.8400 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.7.3 | Pelaporan Pembentukan | Laporan Pembentukan | Dokumen | Personil | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---|----------------|---|--------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | n DTM | n DTM | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.8. | Pembentukan Kontur dan Titik Kedalaman | D.3.8.1 | Persiapan Personil dan Alat Pembentukan Kontur dan Titik Kedalaman | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|---|--------------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.8.2 | Pembentukan dan Editing Kontur (Topografi Laut : Landai) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.9600 0000 | OH |
| | | | | | | Staf Administrasi | 0.9600 0000 | OH |
| | | | | | | Koordinator SIG | 0.9600 0000 | OH |
| | | | | | | Operator SIG | 4.8000 0000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.9200 0000 | U.H |
| | | | | | | PC Workstation | 5.7600 0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|------|---------------------------------------|--------------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 5.7600 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Kontur | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | (Topografi Laut : Terjal) | | | Ketua Tim | 1.2800 0000 | OH |
| | | | | | | Staf Administrasi | 1.2800 0000 | OH |
| | | | | | | Koordinator SIG | 1.2800 0000 | OH |
| | | | | | | Operator SIG | 6.4000 0000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.5600 0000 | U.H |
| | | | | | | PC Workstation | 7.6800 0000 | U.H |
| | | | | | | Software GIS | 7.6800 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|---------|--|---|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.8.3 | Pembentukan Titik Kedalaman | Geodatabase Spotheight hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3200 0000 | OH |
| | | | | | | Staf Administrasi | 0.3200 0000 | OH |
| | | | | | | Koordinator SIG | 0.3200 0000 | OH |
| | | | | | | Operator SIG | 1.6000 0000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.6400 0000 | U.H |
| | | | | | | PC Workstation | 1.9200 0000 | U.H |
| | | | | | | Software GIS | 1.9200 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.8.4 | Pelaporan Pembentukan Kontur dan Titik Kedalaman | Laporan Pembentukan Kontur dan Spotheight | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|-------------------|---------|---|------------------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.9. | Penyelarasan Data | D.3.9.1 | Persiapan Personil dan Alat Penyelarasan Data | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|--|---|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Software GIS | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.9.2 | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.4000 0000 | O.H |
| | | | | | | Staf Administrasi | 0.4000 0000 | O.H |
| | | | | | | Koordinator SIG | 0.4000 0000 | O.H |
| | | | | | | Operator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.8000 0000 | U.H |
| | | | | | | PC Workstation | 2.4000 0000 | U.H |
| | | | | | | Software GIS | 2.4000 0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|------|--|---|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Sedang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.8000 0000 | O.H |
| | | | | | | Staf Administrasi | 0.8000 0000 | O.H |
| | | | | | | Koordinator SIG | 0.8000 0000 | O.H |
| | | | | | | Operator SIG | 4.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.6000 0000 | U.H |
| | | | | | | PC Workstation | 4.8000 0000 | U.H |
| | | | | | | Software GIS | 4.8000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.3 Pembuatan Peta LPI | | | | | | | | | | |
|------------------------|---------|----------------|---|--|----------|---|----------------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | | | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | | | |
| | | | | | | Ketua Tim | 1.2000 0000 | O.H | | |
| | | | | | | Staf Administrasi | 1.2000 0000 | O.H | | |
| | | | | | | Koordinator SIG | 1.2000 0000 | O.H | | |
| | | | | | | Operator SIG | 6.0000 0000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 2.4000 0000 | U.H | | |
| | | | | | | PC Workstation | 7.2000 0000 | U.H | | |
| | | | | | | Software GIS | 7.2000 0000 | U.H | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | c) Jumlah | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | |
| | | D.3.9.3 | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | | | |
| | | | | | | Ketua Tim | 0.1920 0000 | O.H | | |
| | | | | | | Staf Administrasi | 0.1920 0000 | O.H | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------|--------------------------------------|--|-------------------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator SIG | 0.1920 0000 | O.H |
| | | | | | | Operator SIG | 0.9600 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.3840 0000 | U.H |
| | | | | | | PC Workstation | 1.1520 0000 | U.H |
| | | | | | | Software GIS | 1.1520 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.9.4 | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | Personil | | |
| | | | | | | Ketua Tim | 0.4000 0000 | OH |
| | | | | | | Staf Administrasi | 0.4000 0000 | OH |
| | | | | | | Koordinator SIG | 0.4000 0000 | OH |
| | | | | | | Operator SIG | 2.0000 0000 | OH |
| | | | | | | a) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|----------------|------------------------------------|----------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.8000 0000 | U.H |
| | | | | | | PC Workstation | 2.4000 0000 | U.H |
| | | | | | | Software GIS | 2.4000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.9.5 | Pelaporan Penyelarasan Data | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------------------------------------|-----------------|---|-----------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.10. | Penyajian kartografis Peta LPI | D.3.10.1 | Persiapan Personil dan Alat Penyajian Kartografis Peta LPI | Basisdata Kartografi | Gdb | Personil | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H |
| | | | | | | Koordinator Kartografi | 1.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 1.0000 0000 | O.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.0000 0000 | U.H |
| | | | | | | PC Dekstop | 1.0000 0000 | U.H |
| | | | | | | Plotter | 1.0000 0000 | U.H |
| | | | | | | DVD-R | 2.0000 0000 | U.H |
| | | | | | | Printer | 1.0000 0000 | U.H |
| | | | | | | Harddisk External | 0.0000 0000 | U.H |
| | | | | | | Software Desain Grafis | 1.0000 0000 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|-----------------|--|-----------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.10.2 | Penyusunan Basisdata Kartografi | Basisdata Kartografi | Gdb | Personil | | |
| | | | | | | Ketua Tim | 0.1428 5710 | O.H |
| | | | | | | Koordinator Kartografi | 0.1428 5710 | O.H |
| | | | | | | Operator Kartografi | 0.7142 8570 | O.H |
| | | | | | | Staff Administrasi | 0.1428 5710 | O.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.1428 5710 | U.H |
| | | | | | | PC Dekstop | 0.7142 8570 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.7142 8570 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|----------------|---|---|--|--------|-----------------------------------|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.3.10.2 | Penyusunan <i>Cartographic Driven Table</i> | <i>Cartographic Driven Table</i> | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0285 7140 | O.H |
| | | | | | | Koordinator Kartografi | 0.0285 7140 | O.H |
| | | | | | | Operator Kartografi | 0.1428 5710 | O.H |
| | | | | | | Staff Administrasi | 0.0285 7140 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.4285 7140 | U.H |
| | | | | | | PC Dekstop | 0.1428 5710 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.1428 5710 | U.H |
| | | b) Jumlah | | | | | | |
| | | Bahan | | | | | | |
| | | | | | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.3.10.3 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.2285 7140 | O.H |
| Koordinator Kartografi | 0.2285 7140 | | | | | O.H | | |
| Operator Kartografi | 1.1428 5710 | | | | | O.H | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|----------------------|---------------------------|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Staff Administrasi | 0.2285 7140 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.4285 7140 | U.H |
| | | | | | | PC Dekstop | 1.1428 5710 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.1428 5710 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. 10.4 | Editing kartografi | Pengaturan dan perubahan dalam layout sesuai standar kartografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.3405 7140 | O.H |
| | | | | | | Koordinator Kartografi | 0.3405 7140 | O.H |
| | | | | | | Operator Kartografi | 1.7028 5710 | O.H |
| | | | | | | Staff Administrasi | 0.3405 7140 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.1085 7140 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|-----------------|--|--|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Dekstop | 1.7028 5710 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.7028 5710 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.10.5 | Pencetakan Coba Hasil Layout Kartografis peta LPI | Hasil cetak coba separasi warna | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0142 8570 | O.H |
| | | | | | | Koordinator Kartografi | 0.0142 8570 | O.H |
| | | | | | | Operator Kartografi | 0.0714 2860 | O.H |
| | | | | | | Staff Administrasi | 0.0142 8570 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2142 8570 | U.H |
| | | | | | | PC Dekstop | 0.0714 2860 | U.H |
| | | | | | | Plotter | 0.0714 2860 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|----------------------|---|--|--------|---|----------------|------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software Kartografis berbasis GIS dengan kemampuan kartografi | 0.0714 2860 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.0000 0000 | Lem bar |
| | | | | | | Tinta Plotter | 0.0002 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. 10.7 | Pencetakan Draft Layout Kartografis peta LPI | hasil draft peta tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0142 8570 | O.H |
| | | | | | | Koordinator Kartografi | 0.0142 8570 | O.H |
| | | | | | | Operator Kartografi | 0.0714 2860 | O.H |
| | | | | | | Staff Administrasi | 0.0142 8570 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2857 1430 | U.H |
| | | | | | | PC Dekstop | 0.0714 2860 | U.H |
| | | | | | | Plotter | 0.0714 2860 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|-----------------|----------------------------|--------------------------------|--------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software Kartografis berbasis GIS dengan kemampuan kartografi | 0.0714 2860 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.0000 0000 | Lembar |
| | | | | | | Tinta Plotter | 0.0002 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.10.8 | Pencetakan peta LPI | hasil peta LPI tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0142 8570 | O.H |
| | | | | | | Koordinator Kartografi | 0.0142 8570 | O.H |
| | | | | | | Operator Kartografi | 0.0714 2860 | O.H |
| | | | | | | Staff Administrasi | 0.0142 8570 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Dekstop | 0.0714 2860 | U.H |
| | | | | | | Plotter/printer | 0.0714 2860 | U.H |
| | | | | | | Software Kartografis berbasis GIS dengan kemampuan kartografi | 0.0714 2860 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|----------------------|---|---|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.0000 0000 | Lem bar |
| | | | | | | Tinta Plotter/printer | 0.0002 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3. 10.9 | Pelaporan Penyajian kartografis peta LPI | Laporan Penyajian kartografis peta LPI | Dokum en | Personil | | |
| | | | | | | Ketua Tim | 3.0000 0000 | O.H |
| | | | | | | Koordinator Kartografi | 3.0000 0000 | O.H |
| | | | | | | Staff Administrasi | 3.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.0000 0000 | U.H |
| | | | | | | Printer | 3.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.3 Pembuatan Peta LPI | | | | | | | | | | |
|------------------------|--------------------|---|--|------------------------------------|--------------------|-----------------------------------|----------------|-----------------|----------------|----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.3.11. | Pembuatan Metadata | D.3.11.1 | Persiapan Personil dan Alat Pembuatan Metadata | Dokumen kesiapan alat dan personil | Dokumen | Personil | | | | |
| | | | | | | Ketua Tim | 1.0000 0000 | O.H | | |
| | | | | | | Staf Administrasi | 1.0000 0000 | O.H | | |
| | | | | | | Koordinator SIG | 1.0000 0000 | O.H | | |
| | | | | | | a) Jumlah | | | | |
| | | | | | | Alat | | | | |
| | | | | | | Laptop | 2.0000 0000 | U.H | | |
| | | | | | | PC Workstation | 2.0000 0000 | U.H | | |
| | | | | | | Printer | 1.0000 0000 | U.H | | |
| | | | | | | Software GIS | 1.0000 0000 | U.H | | |
| | | b) Jumlah | | | | | | | | |
| | | Bahan | | | | | | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.3.11.2 | Pembuatan Metadata | D.3.11.2 | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatabase | Personil | | |
| | | | | | | | | Ketua Tim | 0.6000 0000 | OH |
| Staf Administrasi | 0.6000 0000 | | | | | | | OH | | |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|---------|-----------------|---------------------------|-----------------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator SIG | 0.6000 0000 | OH |
| | | | | | | Operator SIG | 3.0000 0000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.2000 0000 | U.H |
| | | | | | | PC Workstation | 3.6000 0000 | U.H |
| | | | | | | Software GIS | 3.6000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.3.11.3 | Pelaporan Metadata | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.0000 0000 | O.H |
| | | | | | | Staf Administrasi | 2.0000 0000 | O.H |
| | | | | | | Koordinator SIG | 2.0000 0000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.0000 0000 | U.H |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|------------------------|------------------|-----------------|--------------------------|--------------------------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 2.0000 0000 | U.H |
| | | | | | | Printer | 2.0000 0000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.0000 0000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.3.12. | Pelaporan | D.3.12.1 | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5.0000 0000 | O.H. |
| | | | | | | Staf Administrasi | 5.0000 0000 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.0000 0000 | U.H. |
| | | | | | | Printer | 5.0000 0000 | U.H. |
| | | | | | | Scanner | 5.0000 0000 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 2.0000 0000 | Set |
| | | | | | | Harddisk Eksternal | 2.0000 | Set |

| D.3 Pembuatan Peta LPI | | | | | | | | |
|-------------------------------|----------------|-------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 0000 | |
| | | | | | | Kertas HVS A4 | 2.0000 0000 | RIM |
| | | | | | | Tinta Printer | 1.0000 0000 | Paket |
| | | | | | | Penjilidan | 3.0000 0000 | Rangkap |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |



Analisa Biaya Keluaran Kegiatan

n. Pembuatan Peta LLN (Lingkungan Laut Nasional)

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan Peta LLN (Lingkungan Laut Nasional) dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembuatan Peta LLN (Lingkungan Laut Nasional):

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktifitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktifitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Pembuatan Peta LLN (Lingkungan Laut Nasional):

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|----------------|---|-----------------------------------|---------------------------------------|----------|----------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.4.1 | Persiapan Umum | D.4.1.1 | Penyiapan Dokumen Administrasi | Dokumen Surat Izin dan Administrasi | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staff Administrasi | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Kendaraan Roda Empat | 2.000000 | U.H |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | ATK | | Set | | | | |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.4.1.2 | Penyusunan Rencana Kerja Kegiatan | Dokumen Rencana Detail Kerja Kegiatan | Set File | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staff Administrasi | 2.000000 | O.H |
| Koordinator SIG | 2.000000 | | | | | O.H | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|---|---------|------|-------------|--------|--------|------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Koordinator Kartografi | 2.000000 | O.H |
| | | | | | | Operator SIG | 2.000000 | O.H |
| | | | | | | Operator Kartografi | 2.000000 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | PC Workstation | 8.000000 | U.H |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | Software CAD | 2.000000 | U.H |
| | | | | | | Software SIG | 2.000000 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 1.000000 | Set |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---|-----------------------------|--|----------|------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.4.1.3 | Penyiapan Alat Dan Personil | Dokumen Report Kelengkapan Alat dan Personil | Set File | Personil | | |
| | | | | | | Ketua Tim | 3.000000 | O.H |
| | | | | | | Koordinator SIG | 3.000000 | O.H |
| | | | | | | Koordinator Kartografi | 3.000000 | O.H |
| | | | | | | Staff Administrasi | 3.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | c) Jumlah | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.4.1.4 | Pelaporan Persiapan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.000000 | O.H |
| | | | | | | Staff Administrasi | 3.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | Laptop | 6.000000 | U.H | | | | |

| D.4 Pembuatan Peta LLN | | | | | | | | | | |
|------------------------|----------------|---|--|----------|-----------------|--------------|-----------|--------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| D.4.2 | Penyiapan Data | | | | | | 00 | | | |
| | | | | | | Printer | 3.000000 | U.H | | |
| | | | | | | | 00 | | | |
| | | | | | | b) Jumlah | | | | |
| | | | | | | Bahan | | | | |
| | | | | | | ATK | 1.000000 | Set | | |
| | | | | | | | 00 | | | |
| | | c) Jumlah | | | | | | | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.4.2.1 | Persiapan Personil dan Alat Penyiapan Data | Set File | Personil | | | | | |
| | | | Ketua Tim | | 1.000000 | O.H | | | | |
| | | | | | 00 | | | | | |
| | | | Koordinator SIG | | 1.000000 | O.H | | | | |
| | | | | | 00 | | | | | |
| | | | Staff Administrasi | | 1.000000 | O.H | | | | |
| | | | | | 00 | | | | | |
| | | a) Jumlah | | | | | | | | |
| Alat | | | | | | | | | | |
| | Laptop | 2.000000 | U.H | | | | | | | |
| | | 00 | | | | | | | | |
| | Printer | 1.000000 | U.H | | | | | | | |
| | | 00 | | | | | | | | |
| | PC Workstation | 2.000000 | U.H | | | | | | | |
| | | 00 | | | | | | | | |
| b) Jumlah | | | | | | | | | | |
| Bahan | | | | | | | | | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|--|----------------------------------|----------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.2.2 | Pengumpulan data penunjang/sekunder | Data Penunjang (Sekunder) | Set File | Personil | | |
| | | | | | | Ketua Tim | 7.00000 00 | O.H |
| | | | | | | Koordinator SIG | 7.00000 00 | O.H |
| | | | | | | Staff Administrasi | 7.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 14.0000 000 | U.H |
| | | | | | | PC Workstation | 14.0000 000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 00 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.2.3 | Pelaporan Persiapan Teknis | Laporan Persiapan Teknis | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---|----------|---|--------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| | | | | | | Staff Administrasi | 1.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 1.00000 00 | U.H |
| | | | | | | Laptop | 2.00000 00 | U.H |
| | | | | | | Printer | 1.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.3 | Evaluasi dan pengolahan awal sumber data (sekunder/penunjang) | D.4.3.1. | Penyiapan Alat dan Personil Evaluasi dan pengolahan awal sumber data (sekunder/penunjang) | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | O.H |
| | | | | | | Staf Administrasi | 1.00000 00 | O.H |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|---|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 2.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 1.000000 | U.H |
| | | | | | | Software GIS | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.3.2. | Digitasi IG Unsur Laut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG unsur laut, Geodatabase breakline | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.200000 | O.H |
| | | | | | | Staf Administrasi | 0.200000 | O.H |
| | | | | | | Koordinator SIG | 0.200000 | O.H |
| | | | | | | Operator SIG | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.400000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|---|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1.20000 00 | U.H |
| | | | | | | Software GIS | 1.20000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Digitasi IG Unsur Laut | Geodatabase IG unsur laut, Geodatabase breakline | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 0.40000 00 | O.H |
| | | | | | | Staf Administrasi | 0.40000 00 | O.H |
| | | | | | | Koordinator SIG | 0.40000 00 | O.H |
| | | | | | | Operator SIG | 2.00000 00 | O.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.80000 00 | U.H |
| | | | | | | PC Workstation | 2.40000 00 | U.H |
| | | | | | | Software GIS | 2.40000 00 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|--|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Digitasi IG Unsur Laut | Geodatabase IG unsur laut, Geodatabase breakline | NLP | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 0.60000 00 | O.H |
| | | | | | | Staf Administrasi | 0.60000 00 | O.H |
| | | | | | | Koordinator SIG | 0.60000 00 | O.H |
| | | | | | | Operator SIG | 3.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.20000 00 | U.H |
| | | | | | | PC Workstation | 3.60000 00 | U.H |
| | | | | | | Software GIS | 3.60000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---------|----------------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.3.3 | Evaluasi Kualitas Data penunjang | Sumber data yang telah bebas kesalahan (sistem proyeksi, topologi, kelengkapan atribut) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.100000 | O.H |
| | | | | | | Staf Administrasi | 0.100000 | O.H |
| | | | | | | Koordinator SIG | 0.100000 | O.H |
| | | | | | | Operator SIG | 0.500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.200000 | U.H |
| | | | | | | PC Workstation | 0.600000 | U.H |
| | | | | | | Software SIG | 0.600000 | U.H |
| | | | | | | Kamera Geotagging | 0.500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---|----------|---|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.4.3.4 | Pelaporan Evaluasi dan Pengolahan awal sumber data (sekunder/penunjang) | Laporan Evaluasi dan Pengolahan awal sumber data (sekunder/penunjang) | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.4 | Entry dan evaluasi sumber data Sekunder dalam <i>gdb seamless</i> | D.4.4.1. | Persiapan Personil dan Alat Entry dan evaluasi sumber data Sekunder | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staf Administrasi | 1.000000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---------|--|--|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | dalam gdb seamless | | | Koordinator SIG | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 1.000000 | U.H |
| | | | | | | Software GIS | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.4.2 | Entry dan evaluasi sumber data sekunder dalam gdb seamless | Gdb seamless telah diisi data sekunder | Gdb | Personil | | |
| | | | | | | Ketua Tim | 0.100000 | O.H |
| | | | | | | Staf Administrasi | 0.100000 | O.H |
| | | | | | | Koordinator SIG | 0.100000 | O.H |
| | | | | | | Operator SIG | 0.500000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|---|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.200000 | U.H |
| | | | | | | PC Workstation | 0.600000 | U.H |
| | | | | | | Software SIG | 0.600000 | U.H |
| | | | | | | Kamera Geotagging | 0.500000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.4.3 | Pelaporan Entry dan evaluasi sumber data Sekunder dalam gdb seamless | Laporan Entry dan evaluasi sumber data dalam gdb seamless | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|--|-----------------|--|--------|---------|---|----------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | PC Workstation | 2.000000 00 | U.H |
| | | | | | | Printer | 2.000000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 00 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.5 | Evaluasi dan pengolahan awal sumber data laut | D.4.5.1. | Persiapan Personil dan Alat Evaluasi dan pengolahan awal sumber data laut | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 00 | O.H |
| | | | | | | Staf Administrasi | 1.000000 00 | O.H |
| | | | | | | Koordinator SIG | 1.000000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 00 | U.H |
| | | | | | | PC Workstation | 2.000000 00 | U.H |
| | | | | | | Printer | 1.000000 00 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|-------------------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.5.2 | Evaluasi Kualitas Data Utama | Data utama telah dievaluasi kualitasnya (sistem proyeksi, topologi, kelengkapan atribut) | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.100000 | O.H |
| | | | | | | Staf Administrasi | 0.100000 | O.H |
| | | | | | | Koordinator SIG | 0.100000 | O.H |
| | | | | | | Operator SIG | 0.500000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.200000 | U.H |
| | | | | | | PC Workstation | 0.600000 | U.H |
| | | | | | | Software SIG | 0.600000 | U.H |
| | | | | | | Kamera Digital | 0.500000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|--|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.5.3 | Pelaporan Evaluasi dan pengolahan awal sumber data laut | Laporan Evaluasi dan pengolahan awal sumber data laut | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|---|----------------------------------|---------|--|-----------------------------|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.6 | Pembentukan Topologi dan Poligon | D.4.6.1 | Persiapan Personil dan Alat Pembentukan Topologi dan Poligon | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | | 00 | |
| | | | | | | Staf Administrasi | 1.000000 | O.H |
| | | | | | | | 00 | |
| | | | | | | Koordinator SIG | 1.000000 | O.H |
| | | | | | | | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.000000 | U.H |
| | | | | | | | 00 | |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | | 00 | |
| | | Printer | 1.000000 | U.H | | | | |
| | 00 | | | | | | | |
| Software GIS | 2.000000 | U.H | | | | | | |
| | 00 | | | | | | | |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | | | |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| | | D.4.6.2 | Pembentukan Topologi dan | Geodatabase dengan topologi | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.150000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | | | | |
|------------------------|---------|------|---|-------------------------------|--------|---|---|----------|-----------------|--|--|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | | |
| | | | Editing Topologi (Tingkat Kepadatan Fitur Data : Jarang) | (clean topology dan Seamless) | | | 00 | | | | |
| | | | | | | Staf Administrasi | 0.150000 | O.H | | | |
| | | | | | | Koordinator SIG | 0.150000 | O.H | | | |
| | | | | | | Operator SIG | 0.750000 | O.H | | | |
| | | | | | | a) Jumlah | | | | | |
| | | | | | | Alat | | | | | |
| | | | | | | Laptop | 0.300000 | U.H | | | |
| | | | | | | PC Workstation | 0.900000 | U.H | | | |
| | | | | | | Software GIS | 0.900000 | U.H | | | |
| | | | | | | b) Jumlah | | | | | |
| | | | | | | Bahan | | | | | |
| | | | | | | c) Jumlah | | | | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | | | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | Ketua Tim | 0.225000 | O.H | | | | | | |
| | | | Staf Administrasi | 0.225000 | O.H | | | | | | |
| | | | Koordinator SIG | 0.225000 | O.H | | | | | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|--|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Data : Sedang) | | | | 00 | |
| | | | | | | Operator SIG | 1.12500 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.45000 00 | U.H |
| | | | | | | PC Workstation | 1.35000 00 | U.H |
| | | | | | | Software GIS | 1.35000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan Topologi dan Editing Topologi (Tingkat Kepadatan Fitur Data : Padat) | Geodatabase dengan topologi (clean topology dan Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.30000 00 | O.H |
| | | | | | | Staf Administrasi | 0.30000 00 | O.H |
| | | | | | | Koordinator SIG | 0.30000 00 | O.H |
| | | | | | | Operator SIG | 1.50000 00 | O.H |
| | | | | | | a) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|--|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.60000 00 | U.H |
| | | | | | | PC Workstation | 1.80000 00 | U.H |
| | | | | | | Software GIS | 1.80000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.6.3 | Pembentukan dan Editing Poligon (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.15000 00 | O.H |
| | | | | | | Staf Administrasi | 0.15000 00 | O.H |
| | | | | | | Koordinator SIG | 0.15000 00 | O.H |
| | | | | | | Operator SIG | 0.75000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.30000 00 | U.H |
| | | | | | | PC Workstation | 0.90000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|---|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Software GIS | 0.90000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 0.22500 00 | O.H |
| | | | | | | Staf Administrasi | 0.22500 00 | O.H |
| | | | | | | Koordinator SIG | 0.22500 00 | O.H |
| | | | | | | Operator SIG | 1.12500 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.45000 00 | U.H |
| | | | | | | PC Workstation | 1.35000 00 | U.H |
| | | | | | | Software GIS | 1.35000 00 | U.H |
| | | | | | | b) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|--|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Poligon | Geodatabase dengan fitur-fitur poligon beserta atribut (Seamless). | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 0.30000 00 | O.H |
| | | | | | | Staf Administrasi | 0.30000 00 | O.H |
| | | | | | | Koordinator SIG | 0.30000 00 | O.H |
| | | | | | | Operator SIG | 1.50000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.60000 00 | U.H |
| | | | | | | PC Workstation | 1.80000 00 | U.H |
| | | | | | | Software GIS | 1.80000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|-----------------|---------|---|--|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tahapan (a+b+c) | | |
| | | D.4.6.4 | Pelaporan Pembentukan Topologi dan Poligon | Laporan Pembentukan Topologi dan Poligon | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.7 | Pembentukan DTM | D.4.7.1 | Persiapan Personil dan Alat Pembentukan DTM | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Staf Administrasi | 1.000000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|------------------------------------|-----------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 00 | U.H |
| | | | | | | PC Workstation | 2.00000 00 | U.H |
| | | | | | | Printer | 1.00000 00 | U.H |
| | | | | | | Harddisk Eksternal | 0.00000 00 | U.H |
| | | | | | | Software GIS | 2.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.7.2 | Pembentukan dan Editing DTM | File DTM | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.60000 00 | O.H |
| | | | | | | Staf Administrasi | 0.60000 00 | O.H |
| | | | | | | Koordinator SIG | 0.60000 00 | O.H |
| | | | | | | Operator SIG | 3.00000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|----------------------------------|--------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.20000 00 | U.H |
| | | | | | | PC Workstation | 3.60000 00 | U.H |
| | | | | | | Software GIS | 3.60000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.7.3 | Pelaporan Pembentukan DTM | Laporan Pembentukan DTM | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 00 | O.H |
| | | | | | | Staf Administrasi | 2.00000 00 | O.H |
| | | | | | | Koordinator SIG | 2.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 00 | U.H |
| | | | | | | PC Workstation | 2.00000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|---|---|----------------|---|--------|---------|-------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | Printer | 2.00000 00 | U.H |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 1.00000 00 | Set |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |
| D.4.8 | Pembentukan Kontur dan Titik Kedalaman | D.4.8.1 | Persiapan Personil dan Alat Pembentukan Kontur dan Titik Kedalaman | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | O.H |
| | | | | | | Staf Administrasi | 1.00000 00 | O.H |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| a) Jumlah | | | | | | | | |
| Alat | | | | | | | | |
| | | | | | | Laptop | 2.00000 00 | U.H |
| | | | | | | PC Workstation | 2.00000 00 | U.H |
| | | | | | | Printer | 1.00000 00 | U.H |
| | | | | | | Software GIS | 2.00000 00 | U.H |
| b) Jumlah | | | | | | | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|---|--------------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.8.2 | Pembentukan dan Editing Kontur (Topografi Laut : Landai) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.90000 00 | OH |
| | | | | | | Staf Administrasi | 0.90000 00 | OH |
| | | | | | | Koordinator SIG | 0.90000 00 | OH |
| | | | | | | Operator SIG | 4.50000 00 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.80000 00 | U.H |
| | | | | | | PC Workstation | 5.40000 00 | U.H |
| | | | | | | Software GIS | 5.40000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|--|--------------------------------------|--------|-------------------|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Tahapan (a+b+c) | | |
| | | | Pembentukan dan Editing Kontur (Topografi Laut : Terjal) | Geodatabase kontur hipsografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 1.20000 00 | OH |
| | | | | | | Staf Administrasi | 1.20000 00 | OH |
| | | | | | | Koordinator SIG | 1.20000 00 | OH |
| | | | | | | Operator SIG | 6.00000 00 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.40000 00 | U.H |
| | | | | | | PC Workstation | 7.20000 00 | U.H |
| | | | | | | Software GIS | 7.20000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | D.4.8.3 | Pembentukan Titik Kedalaman | Geodatabase Titik Kedalaman | NLP | Personil | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|---|---|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Ketua Tim | 0.30000 00 | OH |
| | | | | | | Staf Administrasi | 0.30000 00 | OH |
| | | | | | | Koordinator SIG | 0.30000 00 | OH |
| | | | | | | Operator SIG | 1.50000 00 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.60000 00 | U.H |
| | | | | | | PC Workstation | 1.80000 00 | U.H |
| | | | | | | Software GIS | 1.80000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.8.4 | Pelaporan Pembentukan Kontur dan Titik Kedalaman | Laporan Pembentukan Kontur dan Titik Kedalaman | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.00000 00 | O.H |
| | | | | | | Staf Administrasi | 2.00000 00 | O.H |
| | | | | | | Koordinator SIG | 2.00000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|--------------------------|----------------|--|--------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | | 00 | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.00000 00 | U.H |
| | | | | | | PC Workstation | 2.00000 00 | U.H |
| | | | | | | Printer | 2.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.00000 00 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.9 | Penyelarasan Data | D.4.9.1 | Persiapan Personil dan Alat Penyelarasan Data | | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | O.H |
| | | | | | | Staf Administrasi | 1.00000 00 | O.H |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 00 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|--|---|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 1.000000 | U.H |
| | | | | | | Software GIS | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.9.2 | Editing Fitur dan Atribut (Tingkat Kepadatan Fitur Data : Jarang) | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.375000 | O.H |
| | | | | | | Staf Administrasi | 0.375000 | O.H |
| | | | | | | Koordinator SIG | 0.375000 | O.H |
| | | | | | | Operator SIG | 1.875000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.750000 | U.H |
| | | | | | | PC Workstation | 2.250000 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|---|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software GIS | 2.25000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Sedang) | | | Ketua Tim | 0.75000 00 | O.H |
| | | | | | | Staf Administrasi | 0.75000 00 | O.H |
| | | | | | | Koordinator SIG | 0.75000 00 | O.H |
| | | | | | | Operator SIG | 3.75000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.50000 00 | U.H |
| | | | | | | PC Workstation | 4.50000 00 | U.H |
| | | | | | | Software GIS | 4.50000 00 | U.H |
| | | | | | | b) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|------|--|---|----------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Editing Fitur dan Atribut | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data : Padat) | | | Ketua Tim | 1.12500 00 | O.H |
| | | | | | | Staf Administrasi | 1.12500 00 | O.H |
| | | | | | | Koordinator SIG | 1.12500 00 | O.H |
| | | | | | | Operator SIG | 5.62500 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.25000 00 | U.H |
| | | | | | | PC Workstation | 6.75000 00 | U.H |
| | | | | | | Software GIS | 6.75000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------|---------------------|---|----------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.9.3 | Edgematching | Geodatabase IG Unsur Peta Dasar (Seamless) | NLP (5K) | Personil | | |
| | | | | | | Ketua Tim | 0.180000 | O.H |
| | | | | | | Staf Administrasi | 0.180000 | O.H |
| | | | | | | Koordinator SIG | 0.180000 | O.H |
| | | | | | | Operator SIG | 0.900000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.360000 | U.H |
| | | | | | | PC Workstation | 1.080000 | U.H |
| | | | | | | Software GIS | 1.080000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---------|-------------------------------|---|-------------------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.4.9.4 | Validasi dan Editing Topologi | Geodatabase final IG unsur peta dasar (Topologically cleaned) | Geodatabase Final | Personil | | |
| | | | | | | Ketua Tim | 0.375000 | OH |
| | | | | | | Staf Administrasi | 0.375000 | OH |
| | | | | | | Koordinator SIG | 0.375000 | OH |
| | | | | | | Operator SIG | 1.875000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.750000 | U.H |
| | | | | | | PC Workstation | 2.250000 | U.H |
| | | | | | | Software GIS | 2.250000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.9.5 | Pelaporan Penyelarasan Data | Laporan Penyelarasan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------------------------------------|-----------------|---|--------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Staf Administrasi | 2.000000 | O.H |
| | | | | | | Koordinator SIG | 2.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4.000000 | U.H |
| | | | | | | PC Workstation | 2.000000 | U.H |
| | | | | | | Printer | 2.000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1.000000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.10 | Penyajian kartografis Peta LLN | D.4.10.1 | Persiapan Personil dan Alat Penyajian Kartografis Peta LLN | | Gdb | Personil | | |
| | | | | | | Ketua Tim | 1.000000 | O.H |
| | | | | | | Koordinator Kartografi | 1.000000 | O.H |
| | | | | | | Staff Administrasi | 1.000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|----------------------|--|-----------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Laptop | 3.00000 00 | U.H |
| | | | | | | PC Workstation | 1.00000 00 | U.H |
| | | | | | | DVD-R | 2.00000 00 | U.H |
| | | | | | | Printer | 1.00000 00 | U.H |
| | | | | | | Plotter | 1.00000 00 | U.H |
| | | | | | | Software Desain Grafis | 1.00000 00 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10 .2 | Penyusunan Basisdata Kartografi | Basisdata Kartografi | Gdb | Personil | | |
| | | | | | | Ketua Tim | 0.14285 71 | O.H |
| | | | | | | Koordinator Kartografi | 0.14285 71 | O.H |
| | | | | | | Operator Kartografi | 0.71428 57 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|---|----------------------------------|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Staff Administrasi | 0.14285 71 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.14285 71 | U.H |
| | | | | | | PC Workstation | 0.71428 57 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.71428 57 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.3 | Penyusunan Cartographic Driven Table | Cartographic Driven Table | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.02857 14 | O.H |
| | | | | | | Koordinator Kartografi | 0.02857 14 | O.H |
| | | | | | | Operator Kartografi | 0.14285 71 | O.H |
| | | | | | | Staff Administrasi | 0.02857 14 | O.H |
| | | | | | | a) Jumlah | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---------------|---|---|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.42857 14 | U.H |
| | | | | | | PC Workstation | 0.14285 71 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.14285 71 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10 | Penyiapan Informasi Tepi dan Muka Peta | Layout tiap NLP dalam format yang ditentukan | NLP | Personil | | |
| | | .4 | | | | Ketua Tim | 0.22857 14 | O.H |
| | | | | | | Koordinator Kartografi | 0.22857 14 | O.H |
| | | | | | | Operator Kartografi | 1.14285 71 | O.H |
| | | | | | | Staff Administrasi | 0.22857 14 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 3.42857 14 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|---------------------------|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1.14285 71 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 1.14285 71 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.5 | Editing kartografi | Pengaturan dan perubahan dalam layout sesuai standar kartografi | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.34057 14 | O.H |
| | | | | | | Koordinator Kartografi | 0.34057 14 | O.H |
| | | | | | | Operator Kartografi | 1.70285 71 | O.H |
| | | | | | | Staff Administrasi | 0.34057 14 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5.10857 14 | U.H |
| | | | | | | PC Workstation | 1.70285 71 | U.H |
| | | | | | | Software Kartografis | 1.70285 71 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|--|--|--------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | berbasis GIS | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.6 | Pencetakan Coba Hasil Layout Kartografis peta LLN | Hasil cetak coba separasi warna | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.01428 57 | O.H |
| | | | | | | Koordinator Kartografi | 0.01428 57 | O.H |
| | | | | | | Operator Kartografi | 0.07142 86 | O.H |
| | | | | | | Staff Administrasi | 0.01428 57 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.21428 57 | U.H |
| | | | | | | PC Workstation | 0.07142 86 | U.H |
| | | | | | | Plotter | 0.07142 86 | U.H |
| | | | | | | Software Kartografis berbasis GIS | 0.07142 86 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|---|----------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.000000 | Lembar |
| | | | | | | Tinta Plotter | 0.000200 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.7 | Pencetakan Draft Layout Kartografis peta LLN | hasil draft peta tiap NLP | NLP | Personil | | |
| | | | | | | Ketua Tim | 0.0142857 | O.H |
| | | | | | | Koordinator Kartografi | 0.0142857 | O.H |
| | | | | | | Operator Kartografi | 0.0714286 | O.H |
| | | | | | | Staff Administrasi | 0.0142857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2857143 | U.H |
| | | | | | | PC Workstation | 0.0714286 | U.H |
| | | | | | | Plotter | 0.0714286 | U.H |
| | | | | | | Software Kartografis | 0.0714286 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|----------------------------|--------------------------------|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | berbasis GIS | | |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.000000 | Lembar |
| | | | | | | Tinta Plotter | 0.000200 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.8 | Pencetakan peta LLN | hasil peta LPI tiap NLP | NLP | Personil | 0.000000 | |
| | | | | | | Ketua Tim | 0.0142857 | O.H |
| | | | | | | Koordinator Kartografi | 0.0142857 | O.H |
| | | | | | | Operator Kartografi | 0.0714286 | O.H |
| | | | | | | Staff Administrasi | 0.0142857 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | PC Workstation | 0.0714286 | U.H |
| | | | | | | Plotter/printer | 0.0714286 | U.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|-----------------|---|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Software Kartografis berbasis GIS | 0.0714286 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | Kertas Peta | 1.0000000 | Lembar |
| | | | | | | Tinta Plotter/printer | 0.0002000 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.4.10.9 | Pelaporan Penyajian kartografis peta LLN | Laporan Penyajian kartografis peta LPI | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 3.0000000 | O.H |
| | | | | | | Koordinator Kartografi | 3.0000000 | O.H |
| | | | | | | Staff Administrasi | 3.0000000 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 9.0000000 | U.H |
| | | | | | | Printer | 3.0000000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|--------------------|--------------|--|------------------------------------|---------|---|---------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | ATK | | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.4.1 1. | Pembuatan Metadata | D.3.11 .1 | Persiapan Personil dan Alat Pembuatan Metadata | Dokumen kesiapan alat dan personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1.00000 00 | O.H |
| | | | | | | Staf Administrasi | 1.00000 00 | O.H |
| | | | | | | Koordinator SIG | 1.00000 00 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2.00000 00 | U.H |
| | | | | | | PC Workstation | 2.00000 00 | U.H |
| | | | | | | Printer | 1.00000 00 | U.H |
| | | | | | | Software GIS | 1.00000 00 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|------------------------|---------|---|--------------------|-----------------------------------|-------------|-------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.3.11 .2 | Pembuatan Metadata | Metadata (merujuk pada ISO 19115) | Geodatabase | Personil | | |
| | | | | | | Ketua Tim | 0.600000 | OH |
| | | | | | | Staf Administrasi | 0.600000 | OH |
| | | | | | | Koordinator SIG | 0.600000 | OH |
| | | | | | | Operator SIG | 3.000000 | OH |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 1.200000 | U.H |
| | | | | | | PC Workstation | 3.600000 | U.H |
| | | | | | | Software GIS | 3.600000 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | |
| | | D.3.11 .3 | Pelaporan Metadata | Laporan Pembuatan Metadata | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2.000000 | O.H |
| | | | | | | Staf Administrasi | 2.000000 | O.H |

| D.4 Pembuatan Peta LLN | | | | | | | | |
|---|---------|------|-------------|--------|--------|--------------------|---------------|-------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Printer | 5.00000 00 | U.H. |
| | | | | | | Scanner | 5.00000 00 | U.H. |
| b) Jumlah | | | | | | | | |
| Bahan | | | | | | | | |
| | | | | | | ATK | 2.00000 00 | Set |
| | | | | | | Harddisk Eksternal | 2.00000 00 | Set |
| | | | | | | Kertas HVS A4 | 2.00000 00 | RIM |
| | | | | | | Tinta Printer | 1.00000 00 | Paket |
| | | | | | | Penjilidan | 3.00000 00 | Rangk ap |
| c) Jumlah | | | | | | | | |
| d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | | | | |

**Analisis Biaya Keluaran Kegiatan
o. Pembuatan Gasetir Pulau**

BADAN INFORMASI
GEOSPASIAL

Dalam pelaksanaan pekerjaan Pembuatan Gasetir Pulau dipengaruhi oleh faktor produktivitas, dapat mempengaruhi lamanya waktu pelaksanaan, besaran volume pekerjaan yang dapat dihasilkan dalam kurun waktu tertentu, besaran kapasitas pekerjaan, dan besaran simulasi biaya yang disusun.

Berikut faktor produktivitas yang mempengaruhi pelaksanaan Pembuatan Gasetir Pulau:

1. Kesulitan Aksesibilitas

Ringan : Wilayah dengan moda transportasi kendaraan roda 4 ataupun roda 2, selain 11 kota macet menurut Kementerian Perhubungan meliputi

DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan, Palembang, Semarang, Makassar.

Sedang : 11 kota macet menurut Kementerian Perhubungan meliputi DKI Jakarta, Bogor, Tangerang, Bekasi, Depok, Surabaya, Bandung, Medan,

Palembang, Semarang, Makassar.

Berat : Wilayah dengan moda transportasi darat dan air

Sangat Berat : Wilayah dengan moda transportasi darat (Kendaraan roda 4 yang kemudian dilanjutkan dengan jalan kaki)

Khusus : Wilayah dengan moda transportasi darat dan udara (Remote area)

* Klasifikasi kesulitan aksesibilitas PKLP sama dengan klasifikasi yang telah dibuat di PPRT.

2. Kedalaman Laut

Faktor Kedalaman Laut mempengaruhi produktifitas karena semakin dalam kecepatan laju kapal akan semakin lambat, hal ini dikarenakan agar gelombang echosounder kembali ditangkap sensor transducer dengan tepat. Dengan lambatnya laju kapal, maka produktifitas akan semakin kecil. Faktor kedalaman laut dibagi menjadi tiga, yaitu:

- 0-40 m
- 40-100 m

- 100-200 m

3. Kondisi Laut

Faktor Kondisi Laut mempengaruhi produktifitas karena bila kondisi laut sedang bergelombang maka akan mempengaruhi laju kapal, bahkan yang paling ekstrim gagal pengukuran apabila gelombangnya tinggi.

- Laut Tenang
- Laut Bergelombang

4. Cuaca

Faktor cuaca juga mempengaruhi bila cuaca baik maka produktifitas akan lebih banyak, bila buruk maka akan sedikit. Cuaca ini identik dengan musim kemarau dengan musim penghujan.

Cuaca Baik : Bukan musim hujan (cek BMKG)

Cuaca Buruk : Musim hujan (Cek BMKG), waktu efektif bekerja sekitar 4 jam dari 7 jam bekerja per hari

5. Topografi Pantai untuk Pemetaan Garis Pantai Teristris

Topografi Pantai Mudah (Bila Topografi Pantai 100% Landai dan pasir)

Topografi Pantai Sulit (Bila Topografi Pantai 50% landai dan Pasir, 25% Karang namun tidak terjal dan 25% Hutan Bakau)

6. Topografi Pantai Untuk Pengukuran Pasang Surut Air Laut

Topografi Pantai Baik (Ada Dermaga Existing, sehingga Palem Pasut dapat dipasang pada tiang pancang dermaga)

Topografi Pantai Sedang (Palem Pasut Cukup Dipasang dengan menggunakan tripod dan dekat dengan dari pantai)

Topografi Pantai Berat (Palem Pasut dipasang dengan membuat Bagan sederhana Pengamatan Pasut dan dekat dari pantai)

Topografi Pantai Sangat Berat (Palem Pasut dipasang dengan membuat Bagan Pengamatan Pasut dan jauh dari pantai)

7. Kepadatan Fitur Data

Jarang : Tutupan objek mencakup <30% blok pekerjaan

Sedang : Tutupan objek mencakup 30%-60% blok pekerjaan

Padat : Tutupan objek mencakup >60% blok pekerjaan

*Klasifikasi faktor kepadatan fitur data sama dengan klasifikasi yang dibuat di PPRT, dengan beberapa penyesuaian (jenis objek / fitur data yang berbeda)

8. Topografi Laut untuk proses pembentukan dan editing kontur

Bila topografi landai maka proses pembentukan dan editing kontur akan lebih cepat. Begitu juga sebaliknya.

- Topografi laut Landai
- Topografi Laut Terjal

Tabel berikut menunjukkan besaran koefisien pada Pembuatan Gasetir Pulau:

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|-----------|---------|-----------------------------|--|---------|-------------------------------------|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| D.7.1. | Persiapan | D.7.1.1 | Penyiapan Alat dan Personil | Dokumen hasil pemeriksaan Kesiapan Alat dan Personil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 4 | O.H |
| | | | | | | Staf Administrasi | 4 | O.H |
| | | | | | | Koordinator Ekstraksi Pulau | 4 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 4 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0 | U.H |
| | | | | | | PC Workstation | 0 | U.H |
| | | | | | | Printer | 0 | U.H |
| | | | | | | Scanner | 0 | U.H |
| | | | | | | Harddisk Eksternal | 0 | U.H |
| | | | | | | Software GIS | 0 | U.H |
| | | | | | | Software Database | 0 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|------------------------------------|----------------|----------------|---|------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.1.2 | Pembuatan Rencana Detil Penyelesaian Pekerjaan | Dokumen Rencana Detil | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2 | O.H |
| | | | | | | Staf Administrasi | 2 | O.H |
| | | | | | | Koordinator Ekstraksi Pulau | 2 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4 | U.H. |
| | | | | | | Scanner | 2 | U.H. |
| | | | | | | Printer | 2 | U.H. |
| | | | | | | PC Workstation | 12 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|------------------------------------|-----------------------|----------------|---|---|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | D.7.1.3 | Pelaporan | Laporan Persiapan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2 | O.H |
| | | | | | | Staf Administrasi | 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4 | U.H |
| | | | | | | Printer | 2 | U.H |
| | | | | | | Scanner | 2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.7.2 | Penyiapan Data | D.7.2.1 | Persiapan Personil dan Alat Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | | Personil | | |
| | | | | | | Ketua Tim | 1 | O.H |
| | | | | | | Staf Administrasi | 1 | O.H |
| | | | | | | Koordinator Ekstraksi Pulau | 1 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2 | U.H. |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|----------------|-----------------------|---|---------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 1 | U.H. |
| | | | | | | Printer | 1 | U.H. |
| | | | | | | Scanner | 1 | U.H. |
| | | | | | | Harddisk Eksternal | 0 | U.H. |
| | | | | | | Software GIS | 1 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.2.2 | Penyiapan Data | Formulir Checklist Hasil Kesiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 1 | O.H. |
| | | | | | | Staf Administrasi | 1 | O.H. |
| | | | | | | Koordinator Ekstraksi Pulau | 1 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2 | U.H. |
| | | | | | | PC Workstation | 1 | U.H. |
| | | | | | | Software GIS | 1 | U.H. |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|------------------------------------|------------------|-----------------|--------------------|---------------------------------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.2.3 | Pelaporan | Laporan Penyiapan Data | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2 | O.H |
| | | | | | | Staf Administrasi | 2 | O.H |
| | | | | | | Koordinator Ekstraksi Pulau | 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4 | U.H |
| | | | | | | Printer | 2 | U.H |
| | | | | | | Scanner | 2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.7.3.. | Ekstraksi | D.7.3.1. | Persiapan | Dokumen | | Personil | | |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | | | |
|------------------------------------|-------------------|-----------------|---|-----------------------------------|---|--------------------|------------------|----------------------------------|---|-----|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan | | |
| | Nama Pulau | | Personil dan Alat Ekstraksi Nama Pulau | kesiapan alat dan personil | | Ketua Tim | 1 | O.H | | |
| | | | | | | | | Staf Administrasi | 1 | O.H |
| | | | | | | | | Koordinator Ekstraksi Nama Pulau | 1 | O.H |
| | | | | | | | | Operator Ekstraksi Nama Pulau | 1 | O.H |
| | | | | | | | | a) Jumlah | | |
| | | | | | | | | Alat | | |
| | | | | | | | | Laptop | 2 | U.H |
| | | | | | | | | PC Workstation | 2 | U.H |
| | | | | | | | | Printer | 1 | U.H |
| | | | | | | | | Scanner | 1 | U.H |
| | | | | | | | | Software GIS | 2 | U.H |
| | | | | | | | | b) Jumlah | | |
| | | | | | | | | Bahan | | |
| | | | | | | | | ATK | 0 | Set |
| | | | | | | | | c) Jumlah | | |
| | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | | | | |
| | | D.7.3.2. | Ekstraksi | Point Pulau | Pulau | Personil | | | | |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|----------------------------------|---|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Ketua Tim | 0.07692308 | O.H |
| | | | | | | Staf Administrasi | 0.07692308 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Pulau | 0.07692308 | O.H |
| | | | | | | Operator Ekstraksi Nama Pulau | 0.07692308 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.15384615 | U.H |
| | | | | | | PC Workstation | 0.15384615 | U.H |
| | | | | | | Software GIS | 0.15384615 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.3.3. | Pengisian Atribut Gasetir | Point Pulau dengan atribut (yang dibutuhkan) | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.07692308 | O.H |
| | | | | | | Staf Administrasi | 0.07692308 | O.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|------|--|--|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | (Tingkat Kepadatan Fitur Data: Jarang) | terisi lengkap | | Koordinator Ekstraksi Nama Pulau | 0.07692308 | O.H |
| | | | | | | Operator Ekstraksi Nama Pulau | 0.07692308 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.15384615 | U.H |
| | | | | | | PC Workstation | 0.15384615 | U.H |
| | | | | | | Software GIS | 0.15384615 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | | Pengisian Atribut Gasetir | Point Pulau dengan atribut (yang dibutuhkan) | Pulau | Personil | | |
| | | | (Tingkat Kepadatan Fitur Data: | terisi lengkap | | Ketua Tim | 0.1 | O.H |
| | | | | | | Staf Administrasi | 0.1 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Pulau | 0.1 | O.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|---------------------------------------|---------------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | Padat) | | | Operator Ekstraksi Nama Pulau | 0.1 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.2 | U.H |
| | | | | | | PC Workstation | 0.2 | U.H |
| | | | | | | Software GIS | 0.2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.3.4. | Pembentukan Bounding Box Pulau | Bounding Box Pulau | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.07692308 | O.H |
| | | | | | | Staf Administrasi | 0.07692308 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Pulau | 0.07692308 | O.H |
| | | | | | | Operator Ekstraksi | 0.07692308 | O.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|-----------------------------|--------------------------------|---------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Nama Pulau | | |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.15384615 | U.H |
| | | | | | | PC Workstation | 0.15384615 | U.H |
| | | | | | | Software GIS | 0.15384615 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.3.5. | Pelaporan Nama Pulau | Laporan Ekstraksi Pulau | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2 | O.H |
| | | | | | | Staf Administrasi | 2 | O.H |
| | | | | | | Koordinator Ekstraksi Nama Pulau | 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4 | U.H |
| | | | | | | PC | 2 | U.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|--------------------------------|-----------------|------------------------------------|---|--------|---|-----------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Workstation | | |
| | | | | | | Printer | 2 | U.H |
| | | | | | | Scanner | 2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.7.4. | Pembuatan Gasetir Pulau | D.7.4.1. | Penyiapan Alat dan Personil | Dokumen kesiapan alat dan personil | | Personil | | |
| | | | | | | Ketua Tim | 1 | O.H |
| | | | | | | Staf Administrasi | 1 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 1 | O.H |
| | | | | | | Operator Pembuatan gasetir Pulau | 1 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 2 | U.H |
| | | | | | | PC Workstation | 2 | U.H |
| | | | | | | Printer | 1 | U.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|--------------------------|--------------------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Scanner | 1 | U.H |
| | | | | | | Harddisk Eksternal | 0 | U.H |
| | | | | | | Software GIS | 2 | U.H |
| | | | | | | Software Database | 2 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.4.2. | Penyajian Gasetir | Gasetir Pulau (Digital) | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.07692308 | O.H |
| | | | | | | Staf Administrasi | 0.07692308 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 0.07692308 | O.H |
| | | | | | | Operator Pembuatan gasetir Pulau | 0.07692308 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.15384615 | U.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|---------------------------|------------------------------|--------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | PC Workstation | 0.07692308 | U.H |
| | | | | | | Software GIS | 0.15384615 | U.H |
| | | | | | | Software Database | 0.15384615 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 0 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.4.3. | Pencetakan Gasetir | Gasetir Pulau (Cetak) | Pulau | Personil | | |
| | | | | | | Ketua Tim | 0.07692308 | O.H |
| | | | | | | Staf Administrasi | 0.07692308 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 0.07692308 | O.H |
| | | | | | | Operator Pembuatan gasetir Pulau | 0.07692308 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 0.15384615 | U.H |
| | | | | | | PC | 0.15384615 | U.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|---------|-----------------|--|--|---------|---|------------|--------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | Workstation | | |
| | | | | | | Software GIS | 0.15384615 | U.H |
| | | | | | | Software Database | 0.15384615 | U.H |
| | | | | | | Printer | 0.07692308 | U.H |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | | | |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| | | D.7.4.4. | Pelaporan Pembuatan Gasetir Pulau | Laporan Pembuatan Gasetir Pulau | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 2 | O.H |
| | | | | | | Staf Administrasi | 2 | O.H |
| | | | | | | Koordinator Pembuatan Gasetir Pulau | 2 | O.H |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 4 | U.H |
| | | | | | | PC Workstation | 2 | U.H |
| | | | | | | Printer | 2 | U.H |
| | | | | | | Scanner | 2 | U.H |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|-----------------------------|-----------|----------|-------------------|-------------------|---------|---|-----------|---------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | c) Jumlah | | |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |
| D.7.5.. | Pelaporan | D.7.5.1. | Kompilasi Laporan | Kompilasi Laporan | Dokumen | Personil | | |
| | | | | | | Ketua Tim | 5 | O.H. |
| | | | | | | Staf Administrasi | 5 | O.H. |
| | | | | | | a) Jumlah | | |
| | | | | | | Alat | | |
| | | | | | | Laptop | 5 | U.H. |
| | | | | | | Printer | 5 | U.H. |
| | | | | | | Scanner | 5 | U.H. |
| | | | | | | b) Jumlah | | |
| | | | | | | Bahan | | |
| | | | | | | ATK | 1 | Set |
| | | | | | | Harddisk Eksternal | 1 | Unit |
| | | | | | | Kertas HVS A4 | 2 | RIM |
| | | | | | | Tinta Printer | 1 | Set |
| | | | | | | Penjilidan | 3 | Rangkap |
| | | | | | | c) Jumlah | | |

| D.7 Pembuatan Gasetir Pulau | | | | | | | | |
|------------------------------------|----------------|-------------|--------------------|---------------|---------------|---|------------------|---------------|
| Kode | Tahapan | Kode | Sub Tahapan | Output | Satuan | Sumber Daya | Koefisien | Satuan |
| | | | | | | d) Standar Biaya Keluaran Sub Tahapan (a+b+c) | | |

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