



**PEMERINTAH PROVINSI JAWA TIMUR
DINAS PEKERJAAN UMUM BINA MARGA
UPT PENGELOLAAN JALAN DAN JEMBATAN PACITAN**

Jl. A. Yani No. 5, Tlpn. (0357) 881012

PACITAN

Nomor :
Lampiran : 1 (Satu)
Hal : Surat Pemberitahuan

Kepada Yth :
Bpk/Ibu Ketua Prodi Teknik Sipil
Universitas Islam Indonesia
Di Tempat

Assalamualaikum Wr.Wb.

Membalas surat dari Fakultas Teknik Sipil Universitas Islam Indonesia. Dengan ini kami sampaikan bahwa UPT Dinas Pekerjaan Umum Bina Marga Kabupaten Pacitan menyetujui dan memberi izin permohonan tersebut, dengan mahasiswa sebagai berikut :

Nama : Daka Rizki Zain
NIM : 12511057 / UII

Hal – hal yang perlu di perhatikan dalam pengambilan izin data proyek adalah :

1. Analisis harga satuan pekerjaan dan Rencana Anggaran Biaya
2. Gambar peta lokasi

Demikian saya sampaikan atas perhatian dan kerjasamanya, kami ucapkan terimakasih

Pacitan, 25 Mei 2019
UPT Bina Marga Kabupaten Pacitan

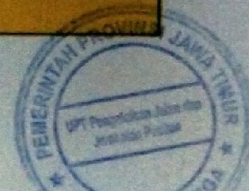
IBNU AQIL, ST.,MM.
NIP. 19650516 198711 1 001

| No. | Uraian | Satuan | Volume | Biaya Satuan (Rp.) | Total (Rp.) |
|-------------------------------------|--|--|--------------------------------|---|---|
| 1 | UMUM Mobilitas | Ls | 1.00 | 68,164,800.00 | 68,164,800.00 |
| 2 | PEKERJAAN TANAH Timbunan Pilihan Berbutir Penyiapan Badan Jalan | m ³ m ² | 757.80 5,052.00 | 165,743.00 51,647.00 | 125,600,045.40 260,920,644.00 |
| 3 | PEKERJAAN PONDASI Beton mutu rendah dengan $f_c' = 15$ Mpa (K-175) Perkerasan Beton semen Baja Tulangan Ulir | m ³ m ³ Kg | 1,010.40 757.80 5,052.00 | 1,070,869.00 494,946.00 16,540.00 | 1,082,006,037.60 375,070,078.80 83,560,080.00 |
| 4 | PEKERJAAN ASPAL Lapis Perekat- aspal emulsi Laston lapis pondasi perata (ATBL) | Ltr Ton | 757.80 691.11 | 12,477.00 1,210,985.00 | 9,455,070.60 836,923,843.35 |
| SUB TOTAL | | | | | 2,841,700,599.75 |
| OVERHEAD & PROFIT = 10 % | | | | | 284,170,059.98 |
| TOTAL | | | | | 3,125,870,659.73 |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-------------------------------------|-------------------|--------|-----------|--------------------|-------------|---------------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0.5333 | 10,700.00 | 5,706.67 | |
| 2. | Pekerja | Jam | 8.0000 | 8,650.00 | 69,200.00 | |
| 3. | Tukang | Jam | 1.6000 | 9,600.00 | 15,360.00 | |
| | | | | | | 90,266.67 |
| B. Alat | | | | | | |
| 1. | Concrete Mixer | Jam | 0.5333 | 52,600.00 | 28,053.33 | |
| 2. | Concrete Vibrator | Jam | 0.5333 | 40,000.00 | 21,333.33 | |
| 3. | Water Tanker | Jam | 0.0361 | 195,000.00 | 7,048.19 | |
| 4. | Alat bantu | Ls | 1.0000 | 5,416.00 | 0.00 | |
| | | | | | | 86,434.85 |
| C. Bahan | | | | | | |
| 1. | Portland Cement | Kg | 210.0000 | 1,150.00 | 241,500.00 | |
| 2. | Pasir Cor | M3 | 0.5294 | 380,000.00 | 201,162.50 | |
| 3. | Batu pecah 2/3 | M3 | 1.1236 | 295,000.00 | 331,453.57 | |
| 4. | Kayu bekisting | M3 | 0.0100 | 4,950,000.00 | 49,500.00 | |
| 5. | Paku | Kg | 0.2000 | 16,000.00 | 3,200.00 | |
| | | | | | | 826,816.07 |
| SUB TOTAL | | | | | | 973,517.60 |
| OVERHEAD & PROFIT = 10 % | | | | | | 97,351.76 |
| TOTAL | | | | | | 1,070,869.36 |



| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------|-------------------------------------|--------|-----------|--------------------|-------------|-------------------|
| A. | Upah | | | | | |
| 1. | Mandor | Jam | 0.0134 | 10,700.00 | 143.00 | |
| 2. | Pekerja | Jam | 0.0535 | 8,650.00 | 462.41 | |
| | | | | | | 605.41 |
| B. | Alat | | | | | |
| | Vibrator Roller | Jam | 0.0080 | 275,700.00 | 2,214.46 | |
| 1 | Water Tank Truck | Jam | 0.0169 | 195,000.00 | 3,289.16 | |
| 2 | Dump Truck | Jam | 0.0534 | 234,500.00 | 12,530.21 | |
| 3 | Alat bantu | Ls | 1.0000 | 36.32 | 36.32 | |
| | | | | | | 18,070.15 |
| C. | Bahan | | | | | |
| 1 | Timbunan pilihan | M3 | 1.2000 | 110,000.00 | 132,000.00 | |
| | | | | | | 132,000.00 |
| D | SUB TOTAL | | | | | 150,675.56 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 15,067.56 |
| F | TOTAL | | | | | 165,743.11 |



| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-------------------------------------|-------------------|--------|-----------|--------------------|-------------|-------------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0.4819 | 9,670.00 | 4,660.24 | |
| 2. | Pekerja | Jam | 7.2289 | 6,684.00 | 48,318.07 | |
| 3. | Tukang | Jam | 1.4458 | 8,393.00 | 12,134.46 | |
| | | | | | | 65,112.77 |
| B. Alat | | | | | | |
| 1. | Concrete Mixer | Jam | 0.1687 | 52,600.00 | 8,872.29 | |
| 2. | Concrete Vibrator | Jam | 0.1687 | 40,000.00 | 6,746.99 | |
| 3. | Water Tanker | Jam | 0.0200 | 195,000.00 | 3,905.87 | |
| 5. | Alat bantu | Ls | 1.0000 | 3,906.77 | 3,906.77 | |
| | | | | | | 23,431.92 |
| C. Bahan | | | | | | |
| 1. | Portland Cement | Kg | 156.1875 | 1,500.00 | 234,281.25 | |
| 2. | Pasir Cor | M3 | 0.1663 | 139,800.00 | 23,253.22 | |
| 3. | Batu pecah 1-2 | M3 | 0.3530 | 216,400.00 | 76,395.96 | |
| 4. | Kayu bekisting | M3 | 0.0056 | 4,344,000.00 | 24,326.40 | |
| 5. | Paku | Kg | 0.2100 | 15,000.00 | 3,150.00 | |
| | | | | | | 361,406.83 |
| SUB TOTAL | | | | | | 449,951.52 |
| OVERHEAD & PROFIT = 10 % | | | | | | 44,995.15 |
| TOTAL | | | | | | 494,946.67 |



| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|------------------------------------|-----------------|--------|-----------|--------------------|-------------|------------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0.0350 | 9,670.00 | 338.45 | |
| 2. | Pekerja | Jam | 0.1050 | 6,684.00 | 701.82 | |
| 3. | Tukang | Jam | 0.0350 | 8,393.00 | 293.76 | |
| | | | | | | 1,334.03 |
| B. Alat | | | | | | |
| 1. | Alat bantu | Ls | 1.0000 | 80.04 | 80.04 | |
| | | | | | | 80.04 |
| C. Bahan | | | | | | |
| 1. | Besi beton ulir | Kg | 1.1000 | 12,250.00 | 13,475.00 | |
| 2. | Kawat beton | Kg | 0.0100 | 14,800.00 | 148.00 | |
| | | | | | | 13,623.00 |
| SUB TOTAL | | | | | | 15,037.07 |
| OVERHEAD & PROFIT = 10% | | | | | | 1,503.71 |
| TOTAL | | | | | | 16,540.77 |

| No. | Uraian | Satuan | Volume | Biaya Satuan (Rp.) | Total (Rp.) |
|-----|---|----------------|----------|--------------------|-------------------------|
| 1 | UMUM Mobilitas | Ls | 1.00 | 68,164,800.00 | 68,164,800.00 |
| 2 | PEKERJAAN TANAH Timbunan Pilihan Berbutir | m ³ | 757.80 | 165,743.00 | 125,600,045.40 |
| | Penyiapan Badan Jalan | m ² | 5,052.00 | 51,647.00 | 260,920,644.00 |
| 3 | PEKERJAAN PONDASI Lapis Pondasi Agregat kls.B | m ³ | 1,010.40 | 392,454.00 | 396,535,521.60 |
| | Lapis Pondasi Agregat kls.A | m ³ | 757.80 | 575,356.00 | 436,004,776.80 |
| 4 | PEKERJAAN ASPAL Lapis Perekat- aspal emulsi | Ltr | 5,052.00 | 12,477.00 | 63,033,804.00 |
| | Lapis Resap Pengikat- Aspal Cair | Ltr | 757.80 | 13,925.00 | 10,552,365.00 |
| | Laston lapis permukaan (AC) | Ton | 564.30 | 1,243,997.00 | 701,987,507.10 |
| | Laston lapis pondasi perata (ATBL) | Ton | 691.11 | 1,210,985.00 | 836,923,843.35 |
| | SUB TOTAL | | | | 2,899,723,307.25 |
| | OVERHEAD & PROFIT = 10 % | | | | 289,972,330.73 |
| | TOTAL | | | | 3,189,695,637.98 |



ISLAM



الجامعة الإسلامية
الاندونيسية

**PEMERINTAH PROVINSI JAWA TIMUR
DINAS PEKERJAAN UMUM BINA MARGA
JALAN GAYUNG KEBONSARI 167 SURABAYA**



**KEGIATAN :
PEMBANGUNAN DAN REKONSTRUKSI JALAN
WILAYAH UPT PACITAN**

OWNER'S ESTIMATE

**Paket : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB.
PONOROGO - PACITAN (LINK. 136)**

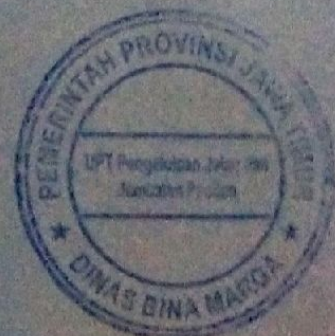
TAHUN ANGGARAN 2018

**PEJABAT PEMBUAT KOMITMEN
REKONSTRUKSI DAN PELEBARAN JALAN PACITAN**

ANALISA HARGA SATUAN

| | | | |
|------------------------|--|---------------------|--------------------|
| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITAN | | |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) | | |
| Divisi | : DIVISI 3. PEKERJAAN TANAH | | |
| Mata Pembayaran | : 3.3(1) | | |
| Jenis Pekerjaan | : Penyiapan badan jalan | | |
| Kapasitas | : 1 M2 | Harga Satuan | : Rp. 4,064.00 /M2 |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------------|-------------------------------------|--------|-----------|--------------------|-------------|-----------------|
| A. Upah | | | | | | |
| 1 | Mandor | Jam | 0.0039 | 10,700.00 | 41.25 | |
| 2 | Pekerja | Jam | 0.0154 | 8,650.00 | 133.40 | |
| | | | | | | 174.65 |
| B. Alat | | | | | | |
| 1 | Vibrator Roller 5 - 8 ton | Jam | 0.0039 | 275,700.00 | 1,062.94 | |
| 2 | Water tank truck | Jam | 0.0126 | 195,000.00 | 2,447.29 | |
| 3 | Alat bantu | Ls | 1.0000 | 10.48 | 10.48 | |
| | | | | | | 3,520.71 |
| C. Bahan | | | | | | |
| | | | | | | 0.00 |
| D | SUB TOTAL | | | | | 3,695.36 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 369.54 |
| F | TOTAL | | | | | 4,064.00 |



ANALISA HARGA SATUAN

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| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) |
| Divisi | : DIVISI 5. PERKERASAN BERBUTIR |
| Mata Pembayaran | : 5.1(2) |
| Jenis Pekerjaan | : Lapis pondasi agregat kelas B |
| Kapasitas | : 1 M3 Harga Satuan : Rp. 392,454.00 / M3 |

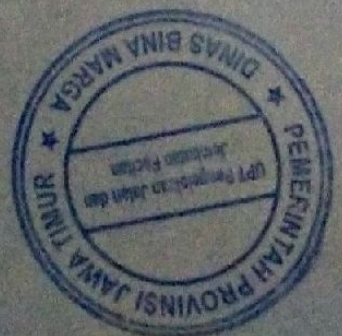
| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------------|-------------------------------------|--------|-----------|--------------------|-------------|-------------------|
| A. Upah | | | | | | |
| 1 | Mandor | Jam | 0.0314 | 10,700.00 | 335.83 | |
| 2 | Pekerja | Jam | 0.2197 | 8,650.00 | 1,900.43 | |
| | | | | | | 2,236.26 |
| B. Alat | | | | | | |
| 1. | Wheel Loader | Jam | 0.0314 | 394,300.00 | 12,375.52 | |
| 2. | Dump Truck | Jam | 0.0680 | 234,500.00 | 15,934.70 | |
| 3 | Motor Grader | Jam | 0.0092 | 480,000.00 | 4,406.20 | |
| 4 | Vibrator Roller | Jam | 0.0080 | 275,700.00 | 2,214.46 | |
| 5 | Water Tanker Truck | Jam | 0.0383 | 195,000.00 | 7,475.36 | |
| 6 | Alat bantu | Ls | 1.0000 | 134.18 | 134.18 | |
| | | | | | | 42,540.40 |
| C. Bahan | | | | | | |
| 1 | Agregat kelas B | M3 | 1.2000 | 260,000.00 | 312,000.00 | |
| | | | | | | 312,000.00 |
| D | SUB TOTAL | | | | | 356,776.66 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 35,677.67 |
| F | TOTAL | | | | | 392,454.32 |



ANALISA HARGA SATUAN

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| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITAN |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) |
| Divisi | : DIVISI 5. PERKERASAN BERBUTIR |
| Mata Pembayaran | : 5.1(1) |
| Jenis Pekerjaan | : Lapis pondasi agregat kelas A |
| Kapasitas | : 1 M3 Harga Satuan : Rp. 256,964.00 / M3 |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------|-------------------------------------|--------|-----------|--------------------|-------------|-------------|
| A. | Upah | | | | | |
| 1. | Mandor | Jam | 0.0314 | 10,700.00 | 335.83 | |
| 2. | Pekerja | Jam | 0.2197 | 8,650.00 | 1,900.43 | |
| | | | | | | 2,236.26 |
| B. | Alat | | | | | |
| 1. | Wheel Loader | Jam | - | 394,300.00 | 0.00 | |
| 2. | Dump Truck | Jam | 0.1655 | 234,500.00 | 38,819.64 | |
| 3. | Motor Grader | Jam | - | 480,000.00 | 0.00 | |
| 4. | Vibrator Roller | Jam | 0.0080 | 275,700.00 | 2,214.46 | |
| 5. | Water Tanker Truck | Jam | - | 195,000.00 | 0.00 | |
| 6. | Alat bantu | Ls | 1.0000 | 134.18 | 134.18 | |
| | | | | | | 41,168.27 |
| C. | Bahan | | | | | |
| 1 | Agregat Kelas A | M3 | 1.2000 | 158,500.00 | 190,200.00 | |
| | | | | | | 190,200.00 |
| D | SUBTOTAL | | | | | 233,604.53 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 23,360.45 |
| F | TOTAL | | | | | 256,964.98 |
| | | | | | | 256,964.00 |



ANALISA HARGA SATUAN

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| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) |
| Divisi | : DIVISI 6. PERKERASAN ASPAL |
| Mata Pembayaran | : 6.1(1b) |
| Jenis Pekerjaan | : Lapis resap pengikat - Aspal emulsi |
| Kapasitas | : 1 Ltr Harga Satuan : Rp. 13.925,00 /Ltr |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------|--------------------------------|--------|-----------|--------------------|-------------|------------------|
| A. | Upah | | | | | |
| 1. | Mandor | Jam | 0,0030 | 10.700,00 | 32,23 | |
| 2. | Pekerja | Jam | 0,0211 | 8.650,00 | 182,38 | |
| | | | | | | 214,61 |
| B. | Alat | | | | | |
| 1. | Asphalt Sprayer | Jam | 0,0030 | 110.000,00 | 331,33 | |
| 2. | Dump Truck | Jam | 0,0030 | 234.500,00 | 706,33 | |
| 3. | Compressor | Jam | 0,0033 | 133.800,00 | 446,00 | |
| 4. | Alat bantu | Ls | 1,0000 | 12,88 | 12,88 | |
| | | | | | | 1.496,53 |
| C. | Bahan | | | | | |
| 1 | Aspal | Kg | 0,6867 | 7.400,00 | 5.081,33 | |
| 2 | Kerosin | Ltr | 0,5333 | 11.000,00 | 5.866,67 | |
| | | | | | | 10.948,00 |
| D | SUB TOTAL | | | | | 12.659,14 |
| E | OVERHEAD & PROFIT = | | | | | 1.265,91 |
| F | TOTAL | | | | | 13.925,05 |
| | | | | | | 13.925,00 |



ANALISA HARGA SATUAN

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| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT | | |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) | | |
| Divisi | : DIVISI 6. PERKERASAN ASPAL | | |
| Mata Pembayaran | : 6.1(2b) | | |
| Jenis Pekerjaan | : Lapis perekat - Aspal emulsi | | |
| Kapasitas | : 1 Ltr | Harga Satuan | : Rp. 12.477,00 /Ltr |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------------|--------------------------------|--------|-----------|--------------------|-------------|-------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0,0030 | 10.700,00 | 32,23 | |
| 2. | Pekerja | Jam | 0,0211 | 8.650,00 | 182,38 | |
| | | | | | | 214,61 |
| B. Alat | | | | | | |
| 1. | Asphalt Sprayer | Jam | 0,0030 | 110.000,00 | 331,33 | |
| 2. | Dump Truck | Jam | 0,0030 | 234.500,00 | 706,33 | |
| 3. | Compressor | Jam | 0,0063 | 133.800,00 | 836,25 | |
| 4. | Alat bantu | Ls | 1,0000 | 12,88 | 12,88 | |
| | | | | | | 1.886,78 |
| C. Bahan | | | | | | |
| 1 | Aspal | Kg | 0,8715 | 7.400,00 | 6.449,38 | |
| 2 | Kerosin | Ltr | 0,2538 | 11.000,00 | 2.792,31 | |
| | | | | | | 9.241,69 |
| D | SUB TOTAL | | | | | 11.343,08 |
| E | OVERHEAD & PROFIT = | | | | | 1.134,31 |
| F | TOTAL | | | | | 12.477,39 |
| | | | | | | 12.477,00 |



ANALISA HARGA SATUAN

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| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACTAN (LINK. 136) |
| Divisi | : DIVISI 6. PERKERASAN ASPAL |
| Mata Pembayaran | : 6.3(8b) |
| Jenis Pekerjaan | : Laston lapis pondasi perata (ATB (L) |
| Kapasitas | : 1 Ton Harga Satuan : Rp. 1.210.985,00 /Ton |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------|-------------------------------------|--------|-----------|--------------------|-------------|---------------------|
| A. | Upah | | | | | |
| 1. | Mandor | Jam | 0,0222 | 10.700,00 | 237,78 | |
| 2. | Pekerja | Jam | 0,3333 | 8.650,00 | 2.883,33 | |
| | | | | | | 3.121,11 |
| B. | Alat | | | | | |
| 1 | Wheel Loader | Jam | | | | |
| 2 | Asphalt Mixing Plant | Jam | | | | |
| 3 | Dump Truck | Jam | 0,6806 | 320.000,00 | 217.777,78 | |
| 4 | Asphalt finisher | Jam | 0,0333 | 320.000,00 | 10.666,67 | |
| 5 | Tandem roller | Jam | 0,0195 | 225.000,00 | 4.385,96 | |
| 6 | P.Tyre Roller | Jam | 0,0186 | 293.000,00 | 5.439,52 | |
| 7 | Genset | Jam | | | | |
| 8 | Alat bantu | Ls | 1,0000 | 187,27 | 187,27 | |
| | | | | | | 238.457,20 |
| C. | Bahan | | | | | |
| 1 | Material ATBL di AMP | Ton | 1,0000 | 859.317,64 | 859.317,64 | |
| | | | | | | 859.317,64 |
| D | SUB TOTAL | | | | | 1.100.895,96 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 110.089,60 |
| F | TOTAL | | | | | 1.210.985,55 |
| | | | | | | 1.210.985,00 |



Kegiatan : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITAN
Paket : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136)
Divisi : DIVISI 6. PERKERASAN ASPAL
Mata Pembayaran : 6.3(7a)
Jenis Pekerjaan : Laston lapis permukaan (AC)

Kapasitas : 1 Ton **Harga Satuan** : Rp. 1.243.997,00 /Ton

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------------|-------------------------------------|--------|-----------|--------------------|-------------|---------------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0,0222 | 10.700,00 | 237,78 | |
| 2. | Pekerja | Jam | 0,2222 | 8.650,00 | 1.922,22 | |
| | | | | | | 2.160,00 |
| B. Alat | | | | | | |
| 1 | Wheel Loader | Jam | | | | |
| 2 | Asphalt Mixing Plant | Jam | | | | |
| 3 | Dump Truck | Jam | 0,6167 | 320.000,00 | 197.333,33 | |
| 4 | Asphalt finisher | Jam | 0,0333 | 320.000,00 | 10.666,67 | |
| 5 | Tandem roller | Jam | 0,0234 | 225.000,00 | 5.263,16 | |
| 6 | P.Tyre Roller | Jam | 0,0223 | 293.000,00 | 6.527,07 | |
| 7 | Genset | Jam | | | | |
| 8 | Alat bantu | Ls | 1,0000 | 129,60 | 129,60 | |
| | | | | | | 219.919,82 |
| C. Bahan | | | | | | |
| 1 | Material AC di AMP | Ton | 1,0000 | 908.826,88 | 908.826,88 | |
| | | | | | | 908.826,88 |
| D | SUB TOTAL | | | | | 1.130.906,70 |
| E | OVERHEAD & PROFIT = 10 % | | | | | 113.090,67 |
| F | TOTAL | | | | | 1.243.997,37 |



ANALISA HARGA SATUAN

| | |
|------------------------|--|
| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITAN |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136) |
| Divisi | : DIVISI 6. PERKERASAN ASPAL |
| Mata Pembayaran | : 6.3(7a) |
| Jenis Pekerjaan | : Laston lapis permukaan (AC) |
| Kapasitas | : 1 Ton Harga Satuan : Rp. 1.164.013,00 / Ton |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------|--------------------------------|--------|-----------|--------------------|-------------|---------------------|
| A. | Upah | | | | | |
| 1. | Mandor | Jam | 0,0241 | 10.700,00 | 257,87 | |
| 2. | Pekerja | Jam | 0,2410 | 8.650,00 | 2.084,65 | |
| | | | | | | 2.342,52 |
| B. | Alat | | | | | |
| 1 | Wheel Loader | Jam | 0,0200 | 394.300,00 | 7.886,00 | |
| 2 | Asphalt Mixing Plant | Jam | 0,0357 | 6.000.000,00 | 214.285,71 | |
| 3 | Dump Truck | Jam | 0,4035 | 234.500,00 | 94.618,58 | |
| 4 | Asphalt finisher | Jam | 0,0381 | 320.000,00 | 12.190,48 | |
| 5 | Tandem roller | Jam | 0,0281 | 225.000,00 | 6.315,79 | |
| 6 | P.Tyre Roller | Jam | 0,0223 | 293.000,00 | 6.527,43 | |
| 7 | Genset | Jam | | | | |
| 8 | Alat bantu | Ls | 1,0000 | 140,55 | 140,55 | |
| | | | | | | 341.964,54 |
| C. | Bahan | | | | | |
| | Agregat Kasar | M3 | 0,4950 | 285.000,00 | 141.075,00 | |
| | Agregat Halus | M3 | 0,2279 | 265.000,00 | 60.382,14 | |
| | Filler | Kg | 19,8000 | 1.550,00 | 30.690,00 | |
| | Aspal | Kg | 65,1000 | 7.400,00 | 481.740,00 | |
| | | | | | | 713.887,14 |
| D | SUB TOTAL | | | | | 1.058.194,20 |
| E | OVERHEAD & PROFIT = | | | | | 105.819,42 |
| F | TOTAL | | | | | 1.164.013,62 |
| | | | | | | 1.164.013,00 |



ANALISA HARGA SATUAN

| | | | | |
|-----------------|---|----|--------------|-------------------|
| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITA | | | |
| Paket | : Rekonstruksi dan Pelebaran Jalan Bts. Kab. Ponorogo - Pacitan (Link. 136) | | | |
| Bab | : DIVISI 1. UMUM | | | |
| Mata Pembayaran | : 1.2 | | | |
| Jenis Pekerjaan | : Mobilisasi | | | |
| Kapasitas | : 1 | Ls | Harga Satuan | 68,164,800.00 /Ls |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp) | Jumlah (Rp) |
|--------|--|--------|-----------|-------------------|---------------|
| A 1 | Barak Kerja (sewa) Penyediaan Work keet | Bln | 5.00 | 1,500,000.00 | 7,500,000.00 |
| B 1 | Perlengkapan Kantor Lapangan (sewa) Meja rapat | Bh | 1.00 | 1,500,000.00 | 1,500,000.00 |
| 2 | Kursi lipat | Bh | 8.00 | 233,100.00 | 1,864,800.00 |
| 3 | Papan Tulis | Bh | 1.00 | 200,000.00 | 200,000.00 |
| 4 | Komputer dan Printer | Unit | 1.00 | 4,000,000.00 | 4,000,000.00 |
| 5 | Kotak P3K | Bh | 1.00 | 200,000.00 | 200,000.00 |
| C 1 | Kendaraan operasional (sewa) Roda empat 1 unit (sewa), diatas tahun 2015 | Bln | 5.00 | 6,700,000.00 | 33,500,000.00 |
| 2 | Roda dua 1 unit (sewa), diatas tahun 2015 | Bln | 5.00 | 2,000,000.00 | 10,000,000.00 |
| D 1 | Perlengkapan kerja Rambu Kerucut / Rubber Cone | Bh | 15.00 | 200,000.00 | 3,000,000.00 |
| 2 | Police Line | Roll | 15.00 | 100,000.00 | 1,500,000.00 |
| 3 | Temperatur Aspal | Bh | 2.00 | 150,000.00 | 300,000.00 |
| 4 | Papan Nama Proyek | Bh | 2.00 | 500,000.00 | 1,000,000.00 |
| 5 | Rambu Peringatan | Bh | 4.00 | 150,000.00 | 600,000.00 |
| E 1 | Komunikasi (sewa) Alat Komunikasi dua arah | Unit | 2.00 | 1,500,000.00 | 3,000,000.00 |
| F | Jumlah (A+B+C+D+E) | | | | 68,164,800.00 |



HARGA SATUAN BAHAN

Kegiatan : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACTAN
 Nama Paket : REKONSTRUKSI DAN PELEBARAN JALAN BT5.KAB. PONOROGO - PACTAN
 (LINK. 136)
 Lokasi : KABUPATEN PACTAN
 Provinsi : JAWA TIMUR

| NO. | JENIS BAHAN | SATUAN | HARGA SATUAN (Rp.) | KETERANGAN |
|-----|---|--------|--------------------|------------|
| | HARGA BAHAN | | | |
| 1 | Agregat Kasar (untuk ATB) | M3 | 285,000.00 | |
| 2 | Agregat Kasar (untuk AC) | M3 | 285,000.00 | |
| 3 | Agregat Halus | M3 | 265,000.00 | |
| 4 | Agregat klas A | M3 | 280,000.00 | |
| 5 | Agregat klas B | M3 | 260,000.00 | |
| 6 | Agregat kasar | M3 | 285,000.00 | |
| 7 | Agregat halus | M3 | 265,000.00 | |
| 8 | Agregat burtu | M3 | 227,800.00 | |
| 9 | Aspal Cement (curah) | Kg | 7,400.00 | |
| 10 | Aspal Cement (drum) | Kg | 9,500.00 | |
| 11 | Aspal Emulsi (MC) | Kg | 9,500.00 | |
| 12 | Aspal Emulsi (RC) | Kg | 9,500.00 | |
| 13 | Batu belah | M3 | 165,000.00 | |
| 14 | Batu Kali | M3 | 175,000.00 | |
| 15 | Batu pecah 5-7 | M3 | 240,000.00 | |
| 16 | Batu pecah 3-5 | M3 | 260,000.00 | |
| 17 | Batu pecah 2-3 | M3 | 270,000.00 | |
| 18 | Batu pecah 1-2 | M3 | 295,000.00 | |
| 19 | Batu pecah 0,5-1 | M3 | 305,000.00 | |
| 20 | Besi beton polos | Kg | 11,550.00 | |
| 21 | Besi beton ulir | Kg | 12,950.00 | |
| 22 | Cat | Kg | 60,000.00 | |
| 23 | Thermoplastic | Kg | 42,500.00 | |
| 24 | Filler | Kg | 1,550.00 | |
| 25 | Glass Beet | Kg | 33,000.00 | |
| 26 | Kawat beton | Kg | 16,500.00 | |
| 27 | Kerosin | Ltr | 11,000.00 | |
| 28 | Kayu Perancah | M3 | 4,950,000.00 | |
| 29 | Paku | Kg | 16,000.00 | |
| 30 | Pipa galvanis dia. 3" | M' | 110,000.00 | |
| 31 | Pelumas | Ltr | 45,000.00 | |
| 32 | Premium (Pertamax) | Ltr | 8,050.00 | |
| 33 | Pasir pasang | M3 | 175,000.00 | |
| 34 | Pasir cor | M3 | 380,000.00 | |
| 35 | Semen (PC) | Kg | 1,150.00 | |
| 36 | Sirtu | M3 | 135,000.00 | |
| 37 | Solar (Non Industri) | Ltr | 5,650.00 | |
| 38 | Solar (Industri) | Ltr | 8,050.00 | |
| 39 | Timbunan biasa | M3 | 100,000.00 | |
| 40 | Timbunan pilihan | M3 | 110,000.00 | |
| 41 | Tinner | Ltr | 33,000.00 | |
| 42 | Saluran beton bertulang praceta 60cmx60cmx120cm | M' | 690,000.00 | |
| 43 | Cover Sal.beton bertulang pracetan 60cmx120cm | M' | 400,000.00 | |
| 44 | Gorong2 bet. bertul. persegi 100cmx100cm | M' | 4,657,000.00 | |
| 45 | Baja Konstruksi | Kg | 17,400.00 | |
| 46 | Kawat Bronjong (Galvanis) | Kg | 17,400.00 | |
| 47 | Rumput Vetiver | M2 | 15,000.00 | |

HARGA SATUAN BAHAN

Kegiatan : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITAN
 Nama Paket : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK. 136)
 Lokasi : KABUPATEN PACITAN
 Provinsi : JAWA TIMUR

| NO. | JENIS BAHAN | SATUAN | HARGA SATUAN (Rp.) | KETERANGAN |
|-----|---|--------|--------------------|------------|
| | HARGA BAHAN | | | |
| 1 | Agregat Kasar (untuk ATB) | M3 | 285,000.00 | |
| 2 | Agregat Kasar (untuk AC) | M3 | 285,000.00 | |
| 3 | Agregat Halus | M3 | 265,000.00 | |
| 4 | Agregat klas A | M3 | 280,000.00 | |
| 5 | Agregat klas B | M3 | 260,000.00 | |
| 6 | Agregat kasar | M3 | 285,000.00 | |
| 7 | Agregat halus | M3 | 265,000.00 | |
| 8 | Agregat burtu | M3 | 227,800.00 | |
| 9 | Aspal Cement (curah) | Kg | 7,400.00 | |
| 10 | Aspal Cement (drum) | Kg | 9,500.00 | |
| 11 | Aspal Emulsi (MC) | Kg | 9,500.00 | |
| 12 | Aspal Emulsi (RC) | Kg | 9,500.00 | |
| 13 | Batu belah | M3 | 165,000.00 | |
| 14 | Batu Kali | M3 | 175,000.00 | |
| 15 | Batu pecah 5-7 | M3 | 240,000.00 | |
| 16 | Batu pecah 3-5 | M3 | 260,000.00 | |
| 17 | Batu pecah 2-3 | M3 | 270,000.00 | |
| 18 | Batu pecah 1-2 | M3 | 295,000.00 | |
| 19 | Batu pecah 0,5-1 | M3 | 305,000.00 | |
| 20 | Besi beton polos | Kg | 11,550.00 | |
| 21 | Besi beton ulir | Kg | 12,950.00 | |
| 22 | Cat | Kg | 60,000.00 | |
| 23 | Thermoplastic | Kg | 42,500.00 | |
| 24 | Filler | Kg | 1,550.00 | |
| 25 | Glass Beet | Kg | 33,000.00 | |
| 26 | Kawat beton | Kg | 16,500.00 | |
| 27 | Kerosin | Ltr | 11,000.00 | |
| 28 | Kayu Perancah | M3 | 4,950,000.00 | |
| 29 | Paku | Kg | 16,000.00 | |
| 30 | Pipa galvanis dia. 3" | M' | 110,000.00 | |
| 31 | Pelumas | Ltr | 45,000.00 | |
| 32 | Premium (Pertamax) | Ltr | 8,050.00 | |
| 33 | Pasir pasang | M3 | 175,000.00 | |
| 34 | Pasir cor | M3 | 380,000.00 | |
| 35 | Semen (PC) | Kg | 1,150.00 | |
| 36 | Sirtu | M3 | 135,000.00 | |
| 37 | Solar (Non Industri) | Ltr | 5,650.00 | |
| 38 | Solar (Industri) | Ltr | 8,050.00 | |
| 39 | Timbunan biasa | M3 | 100,000.00 | |
| 40 | Timbunan pilihan | M3 | 110,000.00 | |
| 41 | Tinner | Ltr | 33,000.00 | |
| 42 | Saluran beton bertulang praceta 60cmx60cmx120cm | M' | 690,000.00 | |
| 43 | Cover Sal.beton bertulang pracetan 60cmx120cm | M' | 400,000.00 | |
| 44 | Gorong2 bet. bertul. persegi 100cmx100cm | M' | 4,657,000.00 | |
| 45 | Baja Konstruksi | Kg | 17,400.00 | |
| 46 | Kawat Bronjong (Galvanis) | Kg | 17,400.00 | |
| 47 | Rumput Vetiver | M2 | 15,000.00 | |



HARGA SATUAN UPAH

Kegiatan : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT
Nama Paket : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO -
PACITAN (LINK. 136)
Lokasi Kab. : KABUPATEN PACITAN
Propinsi : JAWA TIMUR

| NO. | JENIS TENAGA | SATUAN | HARGA SATUAN (Rp.) | KETERANGAN |
|-----|-------------------|--------|--------------------|------------|
| 1 | Mandor | Jam | 10,700.00 | |
| 2 | Tukang | Jam | 9,600.00 | |
| 3 | Pekerja | Jam | 8,650.00 | |
| 4 | Operator | Jam | 12,000.00 | |
| 5 | Pembantu operator | Jam | 9,500.00 | |
| 6 | Mekanik | Jam | 12,000.00 | |
| | | | | |
| | | | | |



الجمهورية الإسلامية اندونيسية

ANALISA HARGA SATUAN

| | | | |
|------------------------|---|---------------------|---------------------|
| Kegiatan | : PEMBANGUNAN DAN REKONSTRUKSI JALAN WILAYAH UPT PACITA | | |
| Paket | : REKONSTRUKSI DAN PELEBARAN JALAN BTS.KAB. PONOROGO - PACITAN (LINK 136) | | |
| Divisi | : DIVISI 3. PEKERJAAN TANAH | | |
| Mata Pembayaran | : 3.2(1b) | | |
| Jenis Pekerjaan | : Timbunan biasa dari galian | | |
| Kapasitas | : 1 M3 | Harga Satuan | : Rp. 18,570.00 /M3 |

| No. | Uraian | Satuan | Kuantitas | Biaya Satuan (Rp.) | Harga (Rp.) | Total (Rp.) |
|-----------------|--------------------------------|--------|-----------|--------------------|-------------|------------------|
| A. Upah | | | | | | |
| 1. | Mandor | Jam | 0.0134 | 10,700.00 | 143.00 | |
| 2. | Pekerja | Jam | 0.0535 | 8,650.00 | 462.41 | |
| | | | | | | 605.41 |
| B. Alat | | | | | | |
| 1 | Vibrator Roller | Jam | 0.0080 | 275,700.00 | 2,214.46 | |
| 2 | Water Tanker | Jam | 0.0169 | 195,000.00 | 3,289.16 | |
| 3 | Dump Truck | Jam | 0.0233 | 234,500.00 | 5,466.96 | |
| 4 | Wheel Loadr | Jam | 0.0134 | 394,300.00 | 5,269.58 | |
| 5 | Alat bantu | ls | 1.0000 | 36.32 | 36.32 | |
| | | | | | | 16,276.47 |
| C. Bahan | | | | | | |
| | | | | | | |
| D | SUB TOTAL | | | | | 16,881.88 |
| E | OVERHEAD & PROFIT = | | | | | 1,688.19 |
| F | TOTAL | | | | | 18,570.07 |



BERAT JENIS BAHAN

| JENIS BAHAN | BJ | SATUAN |
|---------------------------------|-------|--------|
| - Pasangan batu dengan mortar | 2.20 | ton/M3 |
| - Batu | 1.50 | ton/M3 |
| - Adukan (mortar) | 1.90 | ton/M3 |
| - Pasir | 1.35 | ton/M3 |
| - Pasir cor | 1.60 | ton/M3 |
| - Semen Portland | 1.23 | ton/M3 |
| - Beton | 2.400 | Ton/M3 |
| - Aspal Emulsi | 1.00 | Kg/Ltr |
| - AC-BC | 2.23 | ton/M3 |
| - Kerikil | 1.550 | Ton/M3 |
| - SMA | 2.30 | ton/M3 |
| - Coarse agregat & Fine agregat | 1.40 | ton/M3 |
| - Fraksi filler | 1.19 | ton/M3 |
| - Aspal | 1.03 | ton/M3 |
| - AC-WC | 2.23 | ton/M3 |
| - Kerosin | 0.95 | Kg/Ltr |
| - Cat | 0.85 | Kg/Ltr |
| - Termoplastic | 0.850 | Kg/Ltr |
| - AC | 2.280 | ton/M3 |
| - AC Levelling | 2.280 | ton/M3 |
| - AC Base | 2.280 | ton/M3 |
| - A T B | 2.280 | ton/M3 |
| - C T S B | 2.250 | ton/M3 |
| - Agregat klas B | 1.600 | ton/M3 |
| - Agregat klas A | 1.600 | ton/M3 |
| - LPB Bo | 2.200 | ton/M3 |

