



LAMPIRAN



YAYASAN BADAN WAKAF SULTAN AGUNG
UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)

Jl. Raya Kaligawe Km-4 Semarang 50132 (Telp. (024) 6583584 (0) Sali Fax (024) 6583242)
email : informasi@unissula.ac.id web : www.unissula.ac.id

FAKULTAS TEKNIK

Bismillah Membangun Generasi Khaira Ummah

Nomor : 21 / A.2 / SA - T / XII / 2020

Lampiran : - -

Perihal : Bimbingan Tugas Akhir

Kepada : Yth. :

- 1 Dr. Ir. H. Soedarsono, Msi (Dosen Pembimbing I Tugas Akhir)
- 2 Dr. Abdul Rochim, ST, MT (Dosen Pembimbing II Tugas Akhir)

Dosen Fakultas Teknik Prodi Teknik Sipil UNISSULA

Assalamu'alaikum Wr Wb.

Bersama Surat ini kami menghadapkan mahasiswa Fakultas Teknik Program Studi Teknik Sipil UNISSULA yang telah memenuhi syarat untuk mengerjakan Tugas Akhir (TA) :

| No | Nama | NIM |
|----|--------------------|-------------|
| 1 | Zaki Fuad Abdillah | 30201700190 |
| 2 | Tegar Feriyanto | 30201700177 |

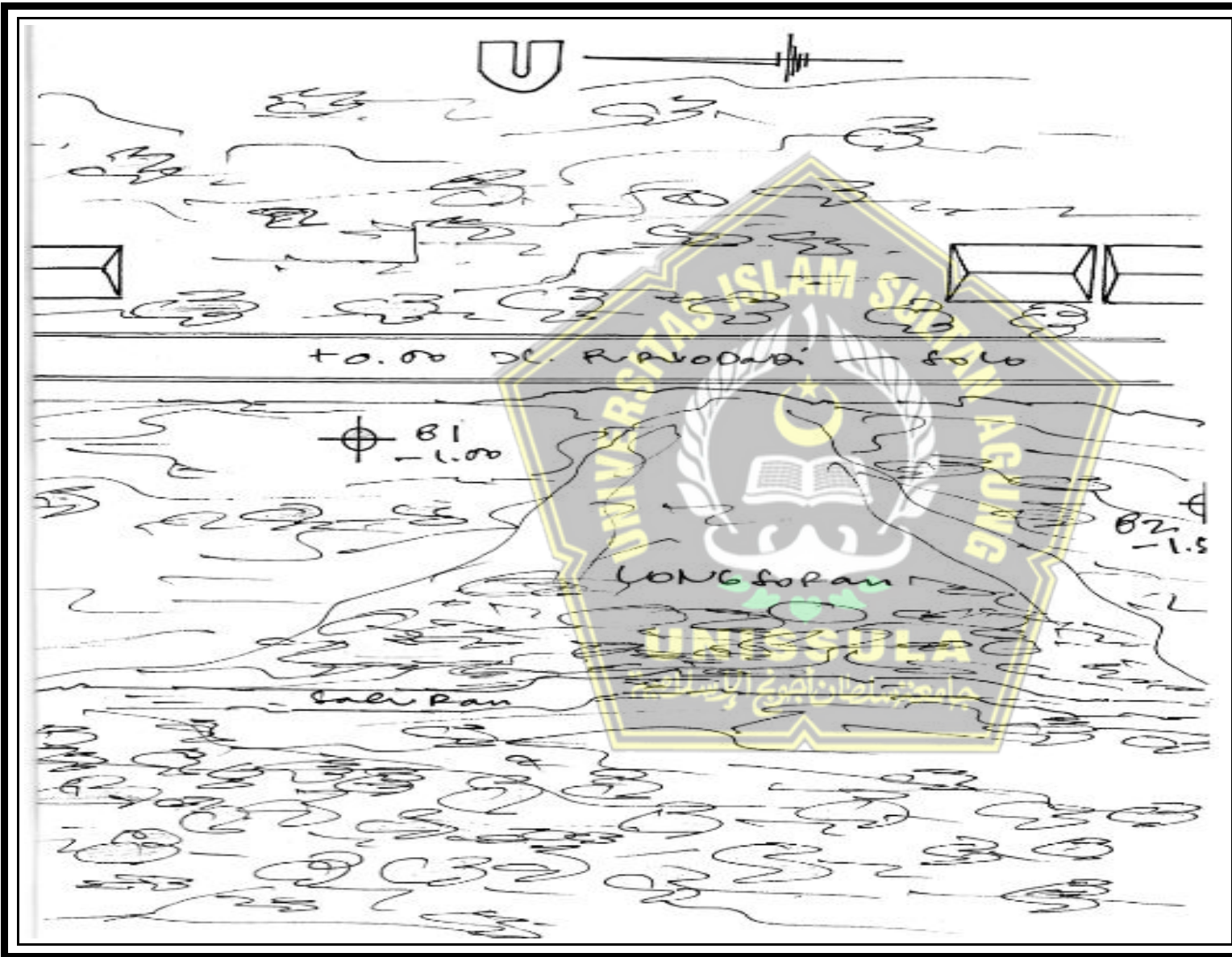
Maka dengan ini kami mohon kepada Bapak / Ibu untuk memberikan Bimbingan Tugas Akhir (TA) kepada mahasiswa tersebut diatas.

Wassalamu'alaikum Wr Wb.

Semarang, 18 Desember 2020

Ketua Program Studi Teknik Sipil





LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK JURUSAN SIPIL
UNIVERSITAS ISLAM SULTAN AGUNG

PROYEK

REHABILITASI
JL. PURWODADI - GEYER

LOKASI

KM . 75+871 BATAS
KABUPATEN SRAGEN

TANGGAL TEST

7 - 8 APRIL 2017

TITIK BM. 1 & BM. 2

SUMMARY OF SOIL DATA

PEKERJAAN/PROYEK

: REHABILITASI JALAN PURWODADI - GEYER

LOKASI

: KM.75+800 - KM.75+871 BATAS KABUPATEN SRAGEN

| No | Sample No | Depth (m) | Gs | W (%) | γ_m (gr/cm3) | γ_d (gr/cm3) | e | n (%) | c (kg/cm2) | ϕ (°) | Atterberg Limits | | | Gravel % | Sand % | Silt % | Clay % |
|----|-----------|---------------|-------|--------|---------------------|---------------------|-------|-------|------------|------------|------------------|-------|-------|----------|--------|--------|--------|
| | | | | | | | | | | | LL | PL | PI | | | | |
| 1 | BM.1 | 1,50 - 2,00 | 2.571 | 52.803 | 1.585 | 1.037 | 1.480 | 0.597 | 0.330 | 22.86 | 29.00 | 24.30 | 4.70 | 5.68 | 59.93 | 16.81 | 17.59 |
| 2 | BM.1 | 3,50 - 4,00 | 2.480 | 43.808 | 1.783 | 1.240 | 1.001 | 0.500 | 0.354 | 30.36 | 25.00 | 20.72 | 4.28 | 11.48 | 61.71 | 14.26 | 12.56 |
| 3 | BM.1 | 5,50 - 6,00 | 2.412 | 20.027 | 1.881 | 1.568 | 0.539 | 0.350 | 0.596 | 46.51 | 29.00 | 25.83 | 3.17 | 3.88 | 42.60 | 26.26 | 27.27 |
| 4 | BM.1 | 7,50 - 8,00 | 2.555 | 24.978 | 1.822 | 1.458 | 0.752 | 0.429 | 0.467 | 47.13 | 29.00 | 27.95 | 11.05 | 9.22 | 42.81 | 29.14 | 18.83 |
| 5 | BM.1 | 9,50 - 10,00 | 2.346 | 44.307 | 1.823 | 1.264 | 0.857 | 0.461 | 0.342 | 47.75 | 24.00 | 22.73 | 1.27 | 8.33 | 59.86 | 12.82 | 19.00 |
| 6 | BM.1 | 11,50 - 12,00 | 2.485 | 22.550 | 1.893 | 1.545 | 0.608 | 0.378 | 0.555 | 42.41 | 31.00 | 25.93 | 5.07 | 11.03 | 64.71 | 14.86 | 9.41 |
| 7 | BM.1 | 13,50 - 14,00 | 2.574 | 19.467 | 1.830 | 1.532 | 0.680 | 0.405 | 0.495 | 45.20 | 29.00 | 24.30 | 4.70 | 15.83 | 41.76 | 15.51 | 26.91 |
| 8 | BM.1 | 14,50 - 15,00 | 2.566 | 28.646 | 1.878 | 1.460 | 0.757 | 0.431 | 0.467 | 47.13 | 51.00 | 27.17 | 23.83 | 17.93 | 61.06 | 11.51 | 9.51 |
| 9 | BM.2 | 1,50 - 2,00 | 2.393 | 52.381 | 1.786 | 1.172 | 1.042 | 0.510 | 0.362 | 45.86 | 25.00 | 21.86 | 3.14 | 7.63 | 39.36 | 26.42 | 26.61 |
| 10 | BM.2 | 3,50 - 4,00 | 2.026 | 36.984 | 1.676 | 1.223 | 0.656 | 0.396 | 0.366 | 46.51 | 22.00 | 20.78 | 1.22 | 6.43 | 41.81 | 25.08 | 26.69 |
| 11 | BM.2 | 5,50 - 6,00 | 2.148 | 27.808 | 1.732 | 1.355 | 0.586 | 0.369 | 0.563 | 41.67 | 33.00 | 24.91 | 8.09 | 4.83 | 31.13 | 28.54 | 35.51 |
| 12 | BM.2 | 7,50 - 8,00 | 2.468 | 29.758 | 1.610 | 1.241 | 0.989 | 0.497 | 0.559 | 43.14 | 37.00 | 26.07 | 10.93 | 6.28 | 30.11 | 34.93 | 28.69 |

| | | | | | | | | | | | | | | | | | |
|----|------|---------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 13 | BM.2 | 9,50 - 10,00 | 2.062 | 30.386 | 1.794 | 1.376 | 1.376 | 0.499 | 0.535 | 43.14 | 47.00 | 29.41 | 17.59 | 5.65 | 66.07 | 14.36 | 13.92 |
| 14 | BM.2 | 11,50 - 12,00 | 2.222 | 22.936 | 1.681 | 1.367 | 0.625 | 0.385 | 0.539 | 43.84 | 39.00 | 25.36 | 13.64 | 7.88 | 61.66 | 18.68 | 11.79 |
| 15 | BM.2 | 13,50 - 14,00 | 2.270 | 28.156 | 1.771 | 1.382 | 0.642 | 0.391 | 0.479 | 47.13 | 26.00 | 25.57 | 0.43 | 9.22 | 62.92 | 14.92 | 12.94 |
| 16 | BM.2 | 14,50 - 15,00 | 2.189 | 22.975 | 1.824 | 1.483 | 0.476 | 0.323 | 0.523 | 43.84 | 24.00 | 19.89 | 4.11 | 6.33 | 72.46 | 12.91 | 8.31 |

Semarang, April 2017
Laboratorium Mekanika Tanah Unissula
Kepala,

Ir. H. Djoko Susilo Adhy, MT
No. Reg 1.2.216.2.031.09.1008893





LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK JURUSAN TEKNIK SIPIL
UNIVERSITAS ISLAM SULTAN AGUNG
SEMARANG

| | | |
|---|--------------------------------------|---|
| PROJECT | : REHABILITASI JL. PURWODADI - GEYER | |
| LOCATION | : KAB. GROBOGAN | DIKRIPTIKAN BY : Ir. H. DJOKO SUSILO ADHY, MT |
| Bor No. | : BM-01 | ELEVATION EXISTING : -1.00 |
| DATE START | : 7 APRIL 2017 | DATE FINISH : 8 APRIL 2017 |
| MASTER BOR | : BUDIONO | DEPT OF GWL : |
| SAMPLE TYPE | : UDS & DS | DEPT OF BOR : 15,0 m (0 - 15m) |
| BACKFILL TYPE : | | TYPE OF HAMMER : Automatic Hammer |
| Note : Pengamatan GWL Saat Pelaksanaan Pengeboran | | |

| Depth (m) | Depth of GWL | SPT (N) | | | | STANDARD PENETRATION (N) | USC | % of Core | SOIL SYMBOL | SOIL DESCRIPTION | ELEVATION (m) |
|-----------|--------------|----------------|----------------|----------------|----|--------------------------|------------|-----------|--|------------------|---------------|
| | | N ₁ | N ₂ | N ₃ | N | | | | | | |
| 0 | | | | | | 0 | | | LEMPUNG SEDIKIT PASIR TERDAPAT KRIKIL COKLAT KEKUNINGAN SEDIKIT PUTIH, LUNAK | -1 | |
| 2 | | 2 | 2 | 3 | 5 | 5 | | | | -2 | |
| 3 | | | | | | 15 | | | LEMPUNG LIAT COKLAT KEABUAN, LUNAK | -3 | |
| 4 | | 3 | 4 | 6 | 10 | 25 | | | | -4 | |
| 5 | | | | | | 35 | 5.0-5.45 | UDS | | -5 | |
| 6 | | 10 | 13 | 15 | 28 | 45 | | | CADAS MUDA COKELAT KEKUNINGAN TERDAPAT BINTIK PUTIH, AGAK LUNAK | -6 | |
| 8 | | 19 | 23 | 26 | 49 | 55 | | | BATUAN LEMPUNG ABU - ABU GELAP TERDAPAT BINTIK PUTIH, KERAS KE KERAS | -8 | |
| 10 | | 22 | 27 | 29 | 56 | 60 | 10.0-10.45 | UDS | | -10 | |
| 12 | | 26 | 30 | 30 | 60 | 60 | | | BATUAN LEMPUNG ABU - ABU SEDIKIT KECOKLATAN TERDAPAT BINTIK HITAM, KERAS KE KERAS | -12 | |
| 14 | | 28 | 30 | 30 | 60 | 60 | | | | -14 | |
| 15 | | | | | | | | | End of this boring, casing down to 15.0 meter | -15 | |
| 16 | | | | | | | | | | -16 | |
| 17 | | | | | | | | | | -17 | |
| 18 | | | | | | | | | | -18 | |
| 19 | | | | | | | | | | -19 | |
| 20 | | | | | | | | | | -20 | |
| 21 | | | | | | | | | | -21 | |
| 22 | | | | | | | | | | -22 | |
| 23 | | | | | | | | | | -23 | |
| 24 | | | | | | | | | | -24 | |
| 25 | | | | | | | | | | -25 | |
| 26 | | | | | | | | | | -26 | |
| 27 | | | | | | | | | | -27 | |
| 28 | | | | | | | | | | -28 | |
| 29 | | | | | | | | | | -29 | |
| 30 | | | | | | | | | | -30 | |



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK JURUSAN TEKNIK SIPIL
UNIVERSITAS ISLAM SULTAN AGUNG
SEMARANG

| | | |
|---|--------------------------------------|--|
| PROJECT | : REHABILITASI JL. PURWODADI - GEYER | |
| LOCATION | : KAB. GROBOGAN | DIISKRIPTION BY : Ir. H. DJOKO SUSILO ADHY, MT |
| Bor No. | : BM-02 | ELEVATION EXISTING : -1.50 |
| DATE START | : 7 APRIL 2017 | DATE FINISH : 8 APRIL 2017 |
| MASTER BOR | : BUDIONO | DEPT OF GWL : |
| SAMPLE TYPE | : UDS & DS | DEPT OF BOR : 15,0 m (0 - 15m) |
| BACKFILL TYPE : | | TYPE OF HAMMER : Automatic Hammer |
| Note : Pengamatan GWL Saat Pelaksanaan Pengeboran | | |

| Depth (m) | Depth of GWL | SPT (N) | | | | STANDARD PENETRATION (N) | USC | % of Core | SOIL SYMBOL | SOIL DESCRIPTION | ELEVATION (m) |
|-----------|--------------|----------------|----------------|----------------|----|--------------------------|------------|-----------|--|------------------|---------------|
| | | N ₁ | N ₂ | N ₃ | N | | | | | | |
| 0 | | | | | | 0 | | | LEMPUNG BERPASIR TERDAPAT KERIKIL COKLAT TERANG SEDIKIT KEKUNINGAN, LUNAK | -1.5 | |
| 1 | | | | | | 5 | | | | -2.5 | |
| 2 | | 2 | 3 | 3 | 6 | 10 | | | LEMPUNG LIAT SEDIKIT KRIKIL COKLAT TERANG SEDIKIT PUTIH TERDAPAT BINTIK HITAM, LUNAK | -3.5 | |
| 3 | | | | | | 15 | | | | -4.5 | |
| 4 | | 3 | 6 | 6 | 12 | 20 | | | | -5.5 | |
| 5 | | | | | | 25 | 5.0-5.45 | UDS | | -6.5 | |
| 6 | | 21 | 25 | 25 | 50 | 30 | | | BATUAN LEMPUNG COKLAT TERANG KEKUNINGAN SEDIKIT BINTIK, KERAS KE KERAS | -7.5 | |
| 7 | | | | | | 35 | | | | -8.5 | |
| 8 | | 21 | 25 | 27 | 52 | 40 | | | | -9.5 | |
| 9 | | | | | | 45 | | | | -10.5 | |
| 10 | | 25 | 28 | 30 | 58 | 50 | 10.0-10.45 | UDS | | -11.5 | |
| 11 | | | | | | 55 | | | | -12.5 | |
| 12 | | 29 | 30 | 30 | 60 | 60 | | | BATUAN LEMPUNG ABU - ABU GELAP SEDIKIT COKLAT TERDAPAT BINTIK HITAM, KERAS KE KERAS | -13.5 | |
| 13 | | | | | | | | | | -14.5 | |
| 14 | | 29 | 30 | 30 | 60 | | | | | -15.5 | |
| 15 | | | | | | | | | End of this boring, casing down to 15.0 meter | -16.5 | |
| 16 | | | | | | | | | | -17.5 | |
| 17 | | | | | | | | | | -18.5 | |
| 18 | | | | | | | | | | -19.5 | |
| 19 | | | | | | | | | | -20.5 | |
| 20 | | | | | | | | | | -21 | |
| 21 | | | | | | | | | | -22 | |
| 22 | | | | | | | | | | -23 | |
| 23 | | | | | | | | | | -24 | |
| 24 | | | | | | | | | | -25 | |
| 25 | | | | | | | | | | -26 | |
| 26 | | | | | | | | | | -27 | |
| 27 | | | | | | | | | | -28 | |
| 28 | | | | | | | | | | -29 | |
| 29 | | | | | | | | | | -30 | |



| N O. URUT | R U A S | | | KLAS | NAMA RUAS | BPJ | AADT | | | | CEK | Gol | | | | | | | | WAKTU SURVEI | | | | | | | | |
|-----------|---------|--------|----------|------|--|------------|--------|---------|-------|------|-------|-------|-----|--------|-------|-------|-------|-------|--------|--------------|--------|--------|--------|--------|--------|-----------------------|------------------|--|
| | NO RUAS | STATUS | SUB RUAS | | | | 2019 | MBT | Total | % | | % | % | % | Gol 1 | Gol 2 | Gol 3 | Gol 4 | Gol 5a | | Gol 5b | Gol 6a | Gol 6b | Gol 7a | Gol 7b | Gol 7c | Gol 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sepeda Motor, Sekuter & Kend Roda Tiga |
| 1 | 025 | P | o | A | SIDOHARJO - GEMOLONG | PURWODADI | 11.176 | 36.770 | 67,50 | 2,46 | 23,31 | 6,73 | 100 | 25168 | 5750 | 75 | 1719 | 152 | 123 | 1845 | 760 | 723 | 20 | 9 | 426 | 2 - 3 Juni 2020 | | |
| 2 | 050 | P | o | A | KUTOARJO - KETAWANG | MAGELANG | 7.276 | 40.824 | 80,09 | 2,31 | 17,26 | 0,34 | 100 | 32761 | 4649 | 99 | 1079 | 96 | 72 | 59 | 1197 | 23 | 1 | 1 | 787 | 15 - 16 Juni 2020 | | |
| 3 | 098 | P | K 11 | A | JL. KENDIL WESI (CILACAP) | CILACAP | 1.535 | 6.268 | 33,22 | 0,20 | 5,02 | 61,56 | 100 | 4378 | 432 | 3 | 75 | 3 | 0 | 30 | 47 | 938 | 7 | 0 | 355 | 6 - 8 Juli 2020 | | |
| 4 | 098 | P | K 12 | A | JL. VETERAN (CILACAP) | CILACAP | 2.603 | 23.395 | 52,32 | 0,08 | 5,07 | 42,53 | 100 | 19687 | 1161 | 2 | 199 | 0 | 2 | 25 | 107 | 1103 | 4 | 0 | 1105 | 6 - 8 Juli 2020 | | |
| 5 | 098 | P | K 13 | A | JL. KOL SUGIONO (CILACAP) | CILACAP | 2.383 | 27.140 | 91,78 | 0,13 | 5,46 | 2,64 | 100 | 23970 | 1809 | 2 | 376 | 3 | 0 | 64 | 66 | 63 | 0 | 0 | 787 | 6 - 8 Juli 2020 | | |
| 6 | 098 | P | K 14 | A | JL. KARANG (CILACAP) | CILACAP | 2.085 | 14.775 | 67,19 | 0,58 | 11,08 | 21,15 | 100 | 12014 | 1034 | 13 | 354 | 7 | 5 | 54 | 177 | 435 | 3 | 3 | 676 | 6 - 8 Juli 2020 | | |
| 7 | 102 | P | o | A | WIRADESA - KALIBENING Bts.Kab.BANJARNEGARA | PEKALONGAN | 10.150 | 64.604 | 87,13 | 0,84 | 11,20 | 0,83 | 100 | 53814 | 7007 | 108 | 1729 | 49 | 36 | 654 | 483 | 82 | 0 | 2 | 640 | 2 - 3 Juli 2020 | | |
| 8 | 103 | P | o | A | WANAYASA - KALIBENING Bts.Kab.PEKALONGAN | WONOSOBO | 5.956 | 28.883 | 79,99 | 3,29 | 16,67 | 0,05 | 100 | 22274 | 1983 | 64 | 2717 | 196 | 0 | 735 | 258 | 3 | 0 | 0 | 653 | 14 - 15 Mei 2020 | | |
| 9 | 104 | P | o | B | WANAYASA - BATUR | WONOSOBO | 2.117 | 8.196 | 78,51 | 0,71 | 20,60 | 0,19 | 100 | 6077 | 577 | 3 | 1082 | 15 | 0 | 134 | 302 | 4 | 0 | 0 | 2 | 14 | 14 - 15 Mei 2020 | |
| 10 | 105 | P | o | B | BATUR - DIENG | WONOSOBO | 4.185 | 13.352 | 70,94 | 6,59 | 22,44 | 0,02 | 100 | 9162 | 1375 | 209 | 1385 | 275 | 1 | 87 | 852 | 1 | 0 | 0 | 5 | 14 - 15 Mei 2020 | | |
| 11 | 106 | P | o | A | DIENG - KEJAJAR | WONOSOBO | 5.389 | 16.038 | 66,91 | 9,50 | 22,88 | 0,71 | 100 | 10621 | 2052 | 16 | 1538 | 508 | 4 | 156 | 1077 | 36 | 0 | 2 | 28 | 13 - 14 Mei 2020 | | |
| 12 | 107 | P | o | A | WONOSOBO - KEJAJAR | WONOSOBO | 6.947 | 26.100 | 77,36 | 7,74 | 14,19 | 0,71 | 100 | 19139 | 3160 | 24 | 2190 | 536 | 2 | 108 | 878 | 48 | 1 | 0 | 14 | 13 - 14 Mei 2020 | | |
| 13 | 108 | P | o | A | PURWOKERTO - PEGALONGAN | CILACAP | 10.500 | 44.280 | 84,76 | 1,18 | 13,68 | 0,38 | 100 | 33492 | 7469 | 101 | 1330 | 63 | 61 | 33 | 1403 | 40 | 0 | 0 | 288 | 9 - 10 Juli 2020 | | |
| 14 | 112 | P | o | A | KETANGGUNGAN - KERSANA - BANTARSARI | TEGAL | 15.322 | 73.842 | 83,83 | 1,47 | 14,38 | 0,31 | 100 | 58058 | 10342 | 260 | 2243 | 109 | 116 | 78 | 2126 | 46 | 0 | 2 | 462 | 30 Juni - 1 Juli 2020 | | |
| 15 | 113 | P | o | A | SIDAREJA - KARANGPUCUNG | CILACAP | 4.488 | 19.168 | 81,51 | 2,79 | 15,31 | 0,40 | 100 | 14464 | 2919 | 68 | 671 | 40 | 85 | 79 | 608 | 18 | 0 | 0 | 216 | 6 - 8 Juli 2020 | | |
| 16 | 114 | P | o | A | JATIBARANG - KETANGGUNGAN | TEGAL | 10.166 | 46.473 | 83,08 | 1,50 | 15,00 | 0,42 | 100 | 36172 | 6787 | 162 | 1497 | 75 | 77 | 56 | 1469 | 43 | 0 | 0 | 135 | 30 Juni - 1 Juli 2020 | | |
| 17 | 115 | P | o | A | SLAWI - JATIBARANG / Bts.Kab.BREBES | TEGAL | 9.445 | 41.643 | 68,79 | 3,04 | 27,49 | 0,69 | 100 | 31904 | 5014 | 113 | 1370 | 83 | 204 | 274 | 2322 | 65 | 0 | 0 | 294 | 30 Juni - 1 Juli 2020 | | |
| 18 | 116 | P | o | A | JATINEGARA - SLAWI | TEGAL | 3.860 | 17.405 | 82,75 | 1,40 | 15,75 | 0,10 | 100 | 13510 | 2018 | 83 | 1093 | 42 | 12 | 556 | 52 | 4 | 0 | 0 | 35 | 2 - 3 Juli 2020 | | |
| 19 | 117 | P | o | A | RANDUDONGKAL - JATINEGARA Bts.Kab.TEGAL | PEKALONGAN | 4.120 | 16.390 | 82,65 | 0,10 | 17,04 | 0,22 | 100 | 12162 | 2314 | 130 | 961 | 0 | 4 | 139 | 563 | 9 | 0 | 0 | 108 | 29 - 30 Juni 2020 | | |
| 20 | 118 | P | o | B | BANTARBOLANG - KESESI / Bts.Kab.PEKALONGAN | PEKALONGAN | 1.712 | 8.107 | 75,88 | 2,45 | 21,32 | 0,35 | 100 | 6395 | 944 | 19 | 336 | 18 | 24 | 52 | 313 | 6 | 0 | 0 | 0 | 0 | 2 | 3 Juli 2020 |
| 21 | 119 | P | o | A | KESESI / Bts.Kab.PEMALANG - KEBONAGUNG | PEKALONGAN | 1.889 | 13.300 | 67,44 | 0,11 | 31,45 | 1,01 | 100 | 11307 | 967 | 9 | 298 | 2 | 0 | 32 | 562 | 19 | 0 | 0 | 104 | 29 - 30 Juni 2020 | | |
| 22 | 120 | P | o | A | KEBONAGUNG - Bts.Kab.BATANG | PEKALONGAN | 6.305 | 31.662 | 96,02 | 0,21 | 3,68 | 0,10 | 100 | 25061 | 5273 | 13 | 768 | 8 | 5 | 85 | 147 | 6 | 0 | 0 | 296 | 29 - 30 Juni 2020 | | |
| 23 | 121 | P | o | A | WONOTUNGGAL - Bts.Kab.PEKALONGAN | PEKALONGAN | 5.593 | 29.777 | 80,53 | 2,43 | 16,52 | 0,52 | 100 | 24109 | 2850 | 27 | 1627 | 133 | 3 | 266 | 658 | 29 | 0 | 0 | 75 | 2 - 3 Juli 2020 | | |
| 24 | 122 | P | o | A | BATANG - WONOTUNGGAL - SURJO | PEKALONGAN | 6.581 | 52.404 | 88,45 | 0,77 | 10,48 | 0,29 | 100 | 45782 | 4182 | 31 | 1608 | 40 | 11 | 131 | 559 | 14 | 0 | 5 | 41 | 29 - 30 Juni 2020 | | |
| 25 | 124 | P | o | A | PLANTUNGAN - SUKOREJO / BLIMBING | SEMARANG | 3.502 | 17.494 | 78,16 | 0,54 | 21,22 | 0,09 | 100 | 13988 | 1520 | 8 | 1209 | 14 | 5 | 134 | 609 | 2 | 1 | 0 | 4 | 13 - 14 Mei 2020 | | |
| 26 | 125 | P | o | A | SUKOREJO - BOJA - CANGKIRAN | SEMARANG | 5.087 | 30.873 | 71,63 | 0,43 | 27,09 | 0,85 | 100 | 25710 | 2317 | 16 | 1311 | 22 | 0 | 482 | 896 | 43 | 0 | 0 | 76 | 13 - 14 Mei 2020 | | |
| 27 | 126 | P | o | A | CANGKIRAN - UNGARAN Bts.Kodya SEMARANG | SEMARANG | 6.804 | 29.891 | 68,80 | 2,94 | 27,43 | 0,84 | 100 | 23039 | 3010 | 1 | 1670 | 191 | 9 | 272 | 1594 | 57 | 0 | 0 | 48 | 13 - 14 Mei 2020 | | |
| 28 | 127 | P | o | A | SEMARANG - GODONG | SEMARANG | 34.668 | 129.406 | 74,03 | 2,21 | 20,18 | 3,58 | 100 | 94334 | 20222 | 833 | 4611 | 187 | 578 | 4953 | 2042 | 961 | 40 | 241 | 404 | 21 - 22 Mei 2020 | | |
| 29 | 127 | P | K 15 | A | JL. BRIJENG SUDIARTO (SEMARANG) | SEMARANG | 62.089 | 244.040 | 76,76 | 2,13 | 17,88 | 3,24 | 100 | 180647 | 39385 | 1094 | 7181 | 241 | 1080 | 7286 | 3813 | 1683 | 41 | 285 | 1304 | 5 - 6 Agustus 2020 | | |
| 30 | 128 | P | o | A | GODONG - PURWODADI | PURWODADI | 8.975 | 38.711 | 82,43 | 2,66 | 14,07 | 0,84 | 100 | 29638 | 4675 | 49 | 2674 | 230 | 9 | 241 | 1022 | 75 | 0 | 0 | 98 | 21 - 22 Mei 2020 | | |
| 31 | 128 | P | K 11 | A | JL.A.YANI (PURWODADI) | PURWODADI | 20.818 | 105.180 | 74,10 | 2,22 | 19,87 | 3,81 | 100 | 82969 | 13439 | 163 | 1824 | 305 | 157 | 885 | 3252 | 743 | 20 | 30 | 1393 | 18 - 19 Mei 2020 | | |
| 32 | 129 | P | o | A | PURWODADI - WIROSARI | PURWODADI | 20.695 | 75.707 | 60,18 | 4,46 | 30,82 | 4,53 | 100 | 54541 | 9899 | 157 | 2398 | 624 | 300 | 1176 | 5203 | 860 | 0 | 78 | 471 | 18 - 19 Mei 2020 | | |
| 33 | 130 | P | o | A | WIROSARI - KUNDURAN | PURWODADI | 6.584 | 19.097 | 53,87 | 1,34 | 33,96 | 10,83 | 100 | 12031 | 2093 | 195 | 1259 | 1 | 87 | 193 | 2043 | 713 | 0 | 0 | 482 | 19 - 20 Mei 2020 | | |
| 34 | 131 | P | o | A | KUNDURAN - NGAWEN - BLORA | PURWODADI | 9.346 | 39.014 | 64,74 | 1,42 | 26,71 | 7,13 | 100 | 29486 | 4498 | 201 | 1352 | 48 | 85 | 528 | 1968 | 666 | 0 | 0 | 182 | 19 - 20 Mei 2020 | | |
| 35 | 132 | P | o | A | WIROSARI - SULURSARI - SINGGET/Bts.Kab.BLORA | PURWODADI | 7.293 | 27.942 | 54,18 | 3,83 | 37,34 | 4,66 | 100 | 20500 | 2610 | 149 | 1192 | 197 | 82 | 290 | 2433 | 340 | 0 | 0 | 149 | 19 - 20 Mei 2020 | | |
| 36 | 133 | P | o | A | SINGGET - DOPLANG - CEPU | PURWODADI | 11.669 | 35.195 | 55,79 | 1,21 | 41,40 | 1,60 | 100 | 23429 | 4213 | 195 | 2102 | 66 | 75 | 962 | 3869 | 187 | 0 | 0 | 97 | 19 - 20 Mei 2020 | | |
| 37 | 134 | P | o | A | LINGKAR UTARA PURWODADI | PURWODADI | 11.829 | 37.902 | 67,08 | 1,90 | 24,81 | 6,21 | 100 | 25545 | 6087 | 79 | 1769 | 80 | 145 | 2194 | 741 | 713 | 21 | 0 | 528 | 21 - 22 Mei 2020 | | |
| 38 | 135 | P | o | A | LINGKAR SELATAN PURWODADI | PURWODADI | 12.283 | 40.119 | 67,82 | 1,94 | 23,20 | 7,04 | 100 | 27235 | 6366 | 80 | 1884 | 93 | 145 | 2580 | 270 | 844 | 21 | 0 | 601 | 18 - 19 Mei 2020 | | |
| 39 | 136 | P | o | A | KERSANA - BANDUNGSARI | TEGAL | 7.259 | 44.620 | 69,24 | 3,18 | 25,86 | 1,72 | 100 | 36888 | 3791 | 40 | 1195 | 212 | 19 | 722 | 1155 | 112 | 6 | 7 | 473 | 30 Juni - 1 Juli 2020 | | |
| 40 | 137 | P | o | B | BANDUNGSARI - PENANGGAPAN | TEGAL | 1.313 | 9.730 | 94,44 | 0,00 | 5,56 | 0,00 | 100 | 8356 | 750 | 27 | 463 | 0 | 0 | 18 | 55 | 0 | 0 | 0 | 61 | 30 Juni - 1 Juli 2020 | | |
| 41 | 138 | P | o | C | BANDUNGSARI - SALEM Bts.Kab.BREBES | TEGAL | 906 | 6.867 | 88,52 | 0,00 | 11,48 | 0,00 | 100 | 5926 | 455 | 25 | 322 | 0 | 0 | 33 | 71 | 0 | 0 | 0 | 35 | 30 Juni - 1 Juli 2020 | | |
| 42 | 139 | P | o | A | BUMIAYU - SALEM Bts.Kab.BREBES | TEGAL | 2.130 | 10.978 | 82,25 | 1,50 | 15,92 | 0,33 | 100 | 8665 | 1360 | 16 | 376 | 17 | 15 | 6 | 333 | 7 | 0 | 0 | 183 | 30 Juni - 1 Juli 2020 | | |
| 43 | 140 | P | o | B | CILOPODANG - SALEM | CILACAP | 1.869 | 9.948 | 83,52 | 1,12 | 14,98 | 0,37 | 100 | 8055 | 1038 | 37 | 486 | 17 | 4 | 8 | 272 | 7 | 0 | 0 | 24 | 30 Juni - 1 Juli 2020 | | |
| 44 | 141 | P | o | A | BUMIAYU - SIRAMPOK | TEGAL | 3.909 | 12.825 | 71,04 | 6,32 | 22,64 | 0,00 | 100 | 8913 | 1292 | 209 | 1276 | 246 | 1 | | | | | | | | | |



| N O. URUT | R U A S | | | KLAS | NAMA RUAS | BPJ | AADT | | | | CEK | Gol | | | | | | | | WAKTU SURVEI | | | | | | | | |
|-----------|---------|--------|----------|------|---|------------|--------|---------|-------|------|-------|------|-----|-------|-------|-------|-------|-------|--------|--------------|--------|--------|--------|--------|--------|-----------------|-----------------|--|
| | NO RUAS | STATUS | SUB RUAS | | | | 2019 | MBT | Total | % | | % | % | % | Gol 1 | Gol 2 | Gol 3 | Gol 4 | Gol 5a | | Gol 5b | Gol 6a | Gol 6b | Gol 7a | Gol 7b | Gol 7c | Gol 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sepeda Motor, Sekuter & Kend Roda Tiga |
| 70 | 165 | P | o | A | MARON - PURWOREJO | MAGELANG | 12.970 | 36.603 | 74,56 | 2,49 | 18,30 | 4,65 | 100 | 23595 | 7700 | 63 | 1908 | 315 | 8 | 325 | 2048 | 520 | 9 | 74 | 38 | 18-19 Juni 2020 | | |
| 71 | 165 | P | K 13 | A | JL. Ir.H. JUANDA (PURWOREJO) | MAGELANG | 5.639 | 19.582 | 70,85 | 0,32 | 26,33 | 2,50 | 100 | 13914 | 2860 | 133 | 1002 | 7 | 11 | 120 | 1365 | 141 | 0 | 0 | 29 | 18-19 Juni 2020 | | |
| 72 | 165 | P | K 14 | A | JL. JEND.GATOT SUBROTO (PURWOREJO) | MAGELANG | 14.032 | 55.338 | 82,77 | 2,60 | 13,93 | 0,70 | 100 | 41128 | 9411 | 101 | 2102 | 256 | 109 | 124 | 1831 | 92 | 0 | 6 | 178 | 15-16 Juni 2020 | | |
| 73 | 166 | P | o | A | MARON - KEMIRI (KDS) | MAGELANG | 2.696 | 13.650 | 76,11 | 1,30 | 21,22 | 1,37 | 100 | 10896 | 1630 | 24 | 398 | 23 | 12 | 19 | 553 | 37 | 0 | 0 | 58 | 15-16 Juni 2020 | | |
| 74 | 167 | P | o | B | KEMIRI - KEPIL Bts.Kab.WONOSOBO | WONOSOBO | 2.245 | 9.809 | 78,84 | 0,00 | 18,80 | 2,36 | 100 | 7557 | 1253 | 119 | 398 | 0 | 0 | 11 | 411 | 53 | 0 | 0 | 7 | 18-19 Juni 2020 | | |
| 75 | 168 | P | o | A | SALAMAN - BENER Bts.Kab.PURWOREJO | MAGELANG | 7.680 | 24.237 | 71,46 | 2,54 | 21,25 | 4,75 | 100 | 16462 | 4125 | 175 | 1188 | 95 | 100 | 1382 | 250 | 314 | 1 | 50 | 95 | 15-16 Juni 2020 | | |
| 76 | 169 | P | o | A | Bts.Kab.PURWOREJO / BENER - MARON | MAGELANG | 8.085 | 25.316 | 77,38 | 2,67 | 17,08 | 2,87 | 100 | 17133 | 5342 | 39 | 875 | 137 | 79 | 265 | 1116 | 195 | 0 | 37 | 98 | 18-19 Juni 2020 | | |
| 77 | 170 | P | o | A | PURWOREJO - SIBOLONG Bts.PROV.DIY | MAGELANG | 5.561 | 27.618 | 89,14 | 1,17 | 9,55 | 0,14 | 100 | 21936 | 4284 | 18 | 655 | 25 | 40 | 48 | 483 | 8 | 0 | 0 | 121 | 18-19 Juni 2020 | | |
| 78 | 170 | P | K 12 | A | JL. WR.SUPRATMAN (PURWOREJO) | MAGELANG | 8.267 | 38.523 | 81,21 | 1,34 | 14,79 | 2,65 | 100 | 30256 | 5638 | 118 | 958 | 24 | 87 | 965 | 258 | 180 | 0 | 39 | 0 | 15-16 Juni 2020 | | |
| 79 | 170 | P | K 13 | A | JL. IMAM BONJOL (LINGKAR UTARA PURWOREJO) | MAGELANG | 6.291 | 25.945 | 75,43 | 1,48 | 20,92 | 2,18 | 100 | 19507 | 3867 | 68 | 810 | 32 | 61 | 1104 | 212 | 122 | 1 | 14 | 147 | 15-16 Juni 2020 | | |
| 80 | 170 | P | K 14 | A | JL. PAHLAWAN (LINGKAR BARAT PURWOREJO) | MAGELANG | 7.450 | 23.342 | 58,40 | 2,44 | 35,57 | 3,58 | 100 | 15864 | 3486 | 5 | 860 | 14 | 168 | 542 | 2108 | 245 | 0 | 22 | 28 | 18-19 Juni 2020 | | |
| 81 | 171 | P | o | A | BOROBUDUR - SALAMAN | MAGELANG | 8.629 | 31.715 | 80,50 | 0,90 | 18,23 | 0,37 | 100 | 22878 | 5253 | 5 | 1688 | 17 | 61 | 328 | 1245 | 31 | 0 | 1 | 208 | 18-19 Juni 2020 | | |
| 82 | 172 | P | o | A | MAGELANG - SALAMAN | MAGELANG | 14.340 | 52.548 | 72,29 | 2,42 | 21,36 | 3,93 | 100 | 37876 | 8306 | 140 | 1920 | 207 | 140 | 2675 | 388 | 529 | 20 | 15 | 332 | 15-16 Juni 2020 | | |
| 83 | 172 | P | K 12 | A | JL. PANCA ARGAS (MAGELANG) | MAGELANG | 19.073 | 53.091 | 82,93 | 2,28 | 12,66 | 2,13 | 100 | 33948 | 14572 | 75 | 1171 | 335 | 100 | 602 | 1812 | 262 | 5 | 139 | 70 | 9-10 Juni 2020 | | |
| 84 | 173 | P | o | A | SAPURAN - KALIANGKRIK Bts.Kab.MAGELANG | WONOSOBO | 3.658 | 14.146 | 75,01 | 1,34 | 23,65 | 0,00 | 100 | 10463 | 1825 | 20 | 899 | 47 | 2 | 140 | 725 | 0 | 0 | 0 | 25 | 16-17 Juni 2020 | | |
| 85 | 174 | P | o | A | MAGELANG - KALIANGKRIK Bts.Kab.WONOSOBO | MAGELANG | 8.816 | 66.062 | 90,07 | 0,00 | 9,91 | 0,01 | 100 | 57194 | 5977 | 4 | 1960 | 0 | 0 | 234 | 640 | 1 | 0 | 0 | 0 | 52 | 9-10 Juni 2020 | |
| 86 | 175 | P | o | A | TEMANGGUNG - PERTIGAAN BULU | WONOSOBO | 13.381 | 51.776 | 85,76 | 1,02 | 12,74 | 0,49 | 100 | 37683 | 9537 | 75 | 1863 | 26 | 110 | 311 | 1394 | 65 | 0 | 0 | 0 | 712 | 16-17 Juni 2020 | |
| 87 | 176 | P | o | A | PARAKAN - PATEAN Bts.Kab. TEMANGGUNG | WONOSOBO | 7.902 | 30.067 | 78,33 | 7,10 | 13,92 | 0,65 | 100 | 22110 | 3709 | 23 | 2458 | 557 | 4 | 110 | 990 | 50 | 1 | 0 | 0 | 55 | 16-17 Juni 2020 | |
| 88 | 177 | P | o | A | WELERI - PATEAN Bts.Kab.KENDAL | SEMARANG | 6.696 | 29.114 | 68,71 | 2,84 | 27,60 | 0,85 | 100 | 22371 | 2977 | 0 | 1624 | 187 | 3 | 271 | 1577 | 57 | 0 | 0 | 0 | 47 | 13-14 Mei 2020 | |
| 89 | 178 | P | o | A | BANYUPUTIH - PLANTUNGAN Bts.Kab. KENDAL | PEKALONGAN | 3.250 | 25.324 | 80,46 | 0,86 | 18,43 | 0,25 | 100 | 22065 | 1324 | 21 | 1270 | 14 | 14 | 94 | 505 | 8 | 0 | 0 | 0 | 9 | 13-14 Mei 2020 | |
| 90 | 179 | P | o | A | PRINGSURAT - KRANGGAN | WONOSOBO | 9.200 | 40.230 | 69,57 | 0,45 | 26,67 | 3,32 | 100 | 30795 | 4640 | 44 | 1716 | 1 | 40 | 280 | 2174 | 277 | 5 | 23 | 265 | 16-17 Juni 2020 | | |
| 91 | 180 | P | o | A | MAGELANG - NGABLAK Bts.Kab.SEMARANG | MAGELANG | 7.997 | 28.384 | 86,56 | 0,53 | 12,53 | 0,39 | 100 | 20387 | 5940 | 13 | 969 | 25 | 17 | 189 | 813 | 31 | 0 | 0 | 0 | 9-10 Juni 2020 | | |
| 92 | 181 | P | o | A | SALATIGA - NGABLAK Bts.Kab. MAGELANG | SEMARANG | 7.373 | 25.243 | 88,27 | 0,05 | 10,89 | 0,79 | 100 | 17868 | 4941 | 259 | 1308 | 1 | 3 | 158 | 645 | 58 | 0 | 0 | 0 | 2 | 9-10 Juni 2020 | |
| 93 | 182 | P | o | A | BLONDO - MENDUT / KARET | MAGELANG | 8.882 | 36.173 | 91,05 | 0,87 | 8,06 | 0,02 | 100 | 27017 | 6641 | 43 | 1403 | 0 | 77 | 165 | 551 | 2 | 0 | 0 | 0 | 274 | 9-10 Juni 2020 | |
| 94 | 183 | P | o | A | BLABAK - JRAKAH / SELO Bts.Kab.BOYOLALI | MAGELANG | 6.975 | 26.932 | 78,51 | 7,34 | 13,52 | 0,63 | 100 | 19932 | 3164 | 39 | 2273 | 511 | 1 | 162 | 781 | 44 | 0 | 0 | 0 | 25 | 9-10 Juni 2020 | |
| 95 | 184 | P | o | A | BOYOLALI - JRAKAH / SELO Bts.Kab.MAGELANG | SURAKARTA | 2.936 | 10.475 | 89,61 | 0,00 | 10,39 | 0,00 | 100 | 7528 | 1314 | 76 | 1241 | 0 | 0 | 26 | 279 | 0 | 0 | 0 | 0 | 0 | 11 | 9-10 Juni 2020 |
| 96 | 185 | P | o | A | MUNTILAN - KLANGON Bts.PROV.YOGYAKARTA | MAGELANG | 7.009 | 30.193 | 85,32 | 1,28 | 11,90 | 1,50 | 100 | 23019 | 4560 | 202 | 1218 | 24 | 66 | 178 | 656 | 105 | 0 | 0 | 0 | 0 | 165 | 20-21 Juli 2020 |
| 97 | 186 | P | o | A | TEMANGGUNG - KALORAN Bts.Kab.SEMARANG | WONOSOBO | 5.614 | 35.569 | 88,19 | 0,00 | 11,81 | 0,00 | 100 | 29904 | 3493 | 87 | 1371 | 0 | 0 | 110 | 553 | 0 | 0 | 0 | 0 | 0 | 51 | 16-17 Juni 2020 |
| 98 | 187 | P | o | A | LEMAHBANG - KALORAN / Bts.Kab.TEMANGGUNG | SEMARANG | 5.422 | 31.990 | 72,67 | 0,37 | 26,17 | 0,79 | 100 | 26491 | 2551 | 16 | 1373 | 20 | 0 | 479 | 940 | 43 | 0 | 0 | 0 | 77 | 16-17 Juni 2020 | |
| 99 | 188 | P | o | A | AMBARAWA - BANDUNGAN | SEMARANG | 9.346 | 36.988 | 77,55 | 0,89 | 19,21 | 2,35 | 100 | 27454 | 5278 | 377 | 1593 | 34 | 49 | 810 | 985 | 204 | 16 | 0 | 0 | 188 | 16-17 Juni 2020 | |
| 100 | 189 | P | o | A | SALATIGA - KEDUNGJATI / Bts.Kab.DEMAK | SEMARANG | 6.386 | 29.746 | 84,15 | 1,75 | 13,78 | 0,31 | 100 | 23236 | 4254 | 173 | 947 | 65 | 47 | 37 | 843 | 20 | 0 | 0 | 0 | 124 | 20-21 Juli 2020 | |
| 101 | 190 | P | o | A | GUBUG - KAPUNG - KD.JATI / Bts. KAB. SEMARANG | PURWODADI | 7.752 | 56.136 | 72,56 | 3,64 | 22,27 | 1,54 | 100 | 47911 | 4158 | 47 | 1420 | 260 | 22 | 795 | 931 | 108 | 11 | 0 | 0 | 473 | 21-22 Mei 2020 | |
| 102 | 191 | P | o | A | TEGOWANU - TANGGUNG - KAPUNG | PURWODADI | 2.581 | 26.303 | 78,57 | 0,15 | 21,00 | 0,27 | 100 | 23402 | 1396 | 24 | 608 | 3 | 1 | 287 | 255 | 7 | 0 | 0 | 0 | 320 | 18-19 Mei 2020 | |
| 103 | 192 | P | o | A | SURUWEN - KARANGGEDE | SEMARANG | 2.022 | 20.822 | 74,53 | 4,70 | 20,23 | 0,54 | 100 | 18688 | 1135 | 17 | 355 | 95 | 0 | 38 | 371 | 11 | 0 | 0 | 0 | 112 | 2-3 Juni 2020 | |
| 104 | 193 | P | o | A | ANDONG/Bts.Kab.SRAGEN - KR.GEDE - Bts.Kab.SMG | SURAKARTA | 10.771 | 56.746 | 69,80 | 3,91 | 23,81 | 2,48 | 100 | 45977 | 5991 | 42 | 1485 | 386 | 35 | 1571 | 994 | 246 | 16 | 5 | 298 | 2-3 Juni 2020 | | |
| 105 | 194 | P | o | A | GEMOLONG - ANDONG/Bts.Kab.BOYOLALI | PURWODADI | 6.936 | 26.788 | 67,88 | 0,14 | 31,50 | 0,48 | 100 | 19782 | 3225 | 146 | 1337 | 0 | 10 | 147 | 2038 | 33 | 0 | 0 | 0 | 70 | 2-3 Juni 2020 | |
| 106 | 195 | P | o | A | SURAKARTA-GEMOLONG-GEYER Bts.Kab.Purwodadi | PURWODADI | 15.846 | 80.316 | 75,33 | 3,53 | 17,13 | 4,02 | 100 | 64308 | 8858 | 732 | 2346 | 449 | 110 | 2198 | 516 | 600 | 4 | 33 | 162 | 4-5 Juni 2020 | | |
| 107 | 195 | P | K 11 | A | JL. PIERE TENDEAN (SURAKARTA) | SURAKARTA | 16.420 | 111.703 | 85,49 | 6,04 | 8,39 | 0,08 | 100 | 94582 | 11288 | 645 | 2105 | 836 | 155 | 1176 | 202 | 13 | 0 | 0 | 0 | 701 | 4-5 Juni 2020 | |
| 108 | 195 | P | K 12 | A | JL. KOL.SUGIONO (SURAKARTA) | SURAKARTA | 15.690 | 70.800 | 86,03 | 2,28 | 10,17 | 1,52 | 100 | 54592 | 11299 | 248 | 1951 | 122 | 236 | 95 | 1501 | 236 | 0 | 2 | 518 | 20-21 Juli 2020 | | |
| 109 | 195 | P | K 13 | A | JL. TENTARA PELAJAR (SURAKARTA) | SURAKARTA | 6.987 | 34.313 | 88,85 | 1,96 | 8,63 | 0,56 | 100 | 27109 | 5376 | 33 | 799 | 31 | 106 | 52 | 551 | 30 | 1 | 8 | 217 | 29-30 Mei 2020 | | |
| 110 | 195 | P | K 14 | A | JL. A. YANI (SURAKARTA) | SURAKARTA | 21.031 | 90.894 | 92,05 | 2,45 | 4,93 | 0,57 | 100 | 68849 | 16887 | 293 | 2180 | 95 | 421 | 139 | 897 | 119 | 0 | 0 | 0 | 1114 | 29-30 Mei 2020 | |
| 111 | 196 | P | o | A | PURWODADI - GEYER / Bts.Kab.SRAGEN | PURWODADI | 11.966 | 59.880 | 74,91 | 2,08 | 18,69 | 4,32 | 100 | 47451 | 7078 | 94 | 1792 | 185 | 64 | 1336 | 900 | 485 | 27 | 5 | 463 | 21-22 Mei 2020 | | |
| 112 | 197 | P | o | A | DEMOK - GODONG | SEMARANG | 8.333 | 39.745 | 59,86 | 2,44 | 29,43 | 8,28 | 100 | 22346 | 3374 | 63 | 1551 | 148 | 55 | 1969 | 48 | | | | | | | |



| N O. URUT | R U A S | | | KLAS | NAMA RUAS | BPJ | AADT | | Car | Bus | LTr | HTr | CEK | Gol 1 | Gol 2 | Gol 3 | Gol 4 | Gol 5a | Gol 5b | Gol 6a | Gol 6b | Gol 7a | Gol 7b | Gol 7c | Gol 8 | WAKTU SURVEI | | |
|-----------|---------|--------|----------|------|--|-----------|--------|---------|-------|------|-------|------|-----|-------|--|-----------------------------|---|--------------------------------------|-----------|-----------|---------------------|---------------------|--------------|----------------|-------------------|-----------------|--------------------------|-----------------|
| | NO RUAS | STATUS | SUB RUAS | | | | 2019 | MBT | Total | % | % | % | | % | Sesepeda Motor, Sekuter & Kend Roda Tiga | Sedan, Jeep & Station Wagon | Opelet, Pick Up, Suburban, Combi & Mini Bus | Pick Up, Mikro Truk & Mobil Hantaran | Bus Kecil | Bus Besar | Truk Ringan 2 Sumbu | Truk Sedang 2 Sumbu | Truk 3 Sumbu | Truk Gandengan | Truk Semi Trailer | | Kendaraan Tidak Bermotor | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 137 | 212 | P | o | A | Bts.Kab.PATI / SUKOLILO - GROBOGAN | PURWODADI | 5.977 | 17.477 | 59,65 | 4,07 | 35,72 | 0,57 | 100 | 11497 | 2288 | 52 | 1225 | 180 | 63 | 238 | 1897 | 34 | 0 | 0 | 3 | 18-19 Mei 2020 | | |
| 138 | 213 | P | o | A | LASEM - SALE Bts.PROV.JAWA TIMUR | PATI | 2.980 | 19.360 | 71,85 | 6,14 | 18,69 | 3,32 | 100 | 16351 | 1675 | 4 | 462 | 180 | 3 | 18 | 539 | 62 | 7 | 30 | 29 | 20-21 Juli 2020 | | |
| 139 | 214 | P | o | A | KUWU - GALEH Bts.Kab.SRAGEN | PURWODADI | 2.164 | 17.195 | 55,04 | 0,00 | 44,50 | 0,46 | 100 | 14992 | 760 | 14 | 417 | 0 | 0 | 20 | 943 | 2 | 0 | 8 | 39 | 19-20 Mei 2020 | | |
| 140 | 215 | P | o | A | GALEH - NGRAMPAL | PURWODADI | 4.552 | 33.542 | 55,51 | 2,11 | 40,05 | 2,33 | 100 | 28895 | 1724 | 16 | 787 | 94 | 2 | 762 | 1061 | 106 | 0 | 0 | 0 | 95 | 20-21 Juli 2020 | |
| 141 | 215 | P | K 11 | A | JL SUKOWATI (KAB SRAGEN) | PURWODADI | 14.124 | 53.399 | 78,50 | 0,06 | 16,19 | 5,25 | 100 | 39139 | 9085 | 412 | 1590 | 0 | 9 | 382 | 1904 | 721 | 21 | 0 | 0 | 46 | 2-3 Juni 2020 | |
| 142 | 216 | P | o | A | SRAGEN - Bts.Kab.KARANGANYAR / BATUJAMUS | PURWODADI | 6.599 | 44.178 | 92,48 | 0,02 | 7,36 | 0,14 | 100 | 37412 | 5144 | 40 | 919 | 0 | 1 | 27 | 459 | 9 | 0 | 0 | 0 | 167 | 2-3 Juni 2020 | |
| 143 | 217 | P | K | A | KARANGANYAR - Bts.Kab.SRAGEN / BATUJAMUS | SURAKARTA | 4.701 | 31.610 | 83,60 | 2,83 | 13,57 | 0,00 | 100 | 26698 | 3159 | 9 | 762 | 126 | 7 | 630 | 8 | 0 | 0 | 0 | 0 | 211 | 4-5 Juni 2020 | |
| 144 | 218 | P | o | A | PALUR - KARANGANYAR | SURAKARTA | 10.302 | 43.521 | 90,37 | 1,99 | 7,27 | 0,37 | 100 | 31797 | 7990 | 138 | 1182 | 40 | 165 | 77 | 672 | 38 | 0 | 0 | 0 | 1422 | 29-30 Mei 2020 | |
| 145 | 219 | P | o | A | KARANGANYAR - TAWANGMANGU - KALISORO | SURAKARTA | 5.915 | 33.456 | 72,83 | 0,54 | 26,53 | 0,10 | 100 | 27487 | 2831 | 66 | 1411 | 24 | 8 | 131 | 1438 | 6 | 0 | 0 | 0 | 54 | 29-30 Mei 2020 | |
| 146 | 219 | P | K 11 | A | KALISORO - CEMOROSEWU (EX APBN) - Bts. JATIM | SURAKARTA | 4.179 | 13.197 | 72,86 | 5,46 | 21,61 | 0,07 | 100 | 9015 | 1497 | 210 | 1338 | 226 | 2 | 95 | 808 | 3 | 0 | 0 | 0 | 3 | 20-21 Juli 2020 | |
| 147 | 220 | P | o | A | SURAKARTA - SUKOHARJO | SURAKARTA | 17.425 | 104.413 | 87,85 | 1,29 | 9,73 | 1,13 | 100 | 86175 | 12387 | 142 | 2779 | 70 | 154 | 1528 | 168 | 182 | 3 | 12 | 12 | 813 | 4-5 Juni 2020 | |
| 148 | 221 | P | o | A | SUKOHARJO - NGUTER / Bts.Kab.SUKOHARJO | SURAKARTA | 23.251 | 69.714 | 84,22 | 1,48 | 12,66 | 1,64 | 100 | 46325 | 17911 | 91 | 1580 | 30 | 315 | 739 | 2204 | 279 | 4 | 98 | 138 | 4 | 4-5 Juni 2020 | |
| 149 | 222 | P | o | A | NGUTER - WONOGIRI | SURAKARTA | 13.810 | 78.951 | 87,89 | 1,31 | 9,64 | 1,16 | 100 | 64510 | 9811 | 99 | 2228 | 66 | 115 | 1201 | 130 | 145 | 3 | 12 | 12 | 631 | 8-9 Juni 2020 | |
| 150 | 223 | P | o | A | WONOGIRI - NGADIROJO | SURAKARTA | 13.383 | 73.998 | 85,59 | 2,82 | 10,36 | 1,23 | 100 | 60100 | 9428 | 127 | 1900 | 193 | 184 | 977 | 410 | 138 | 3 | 23 | 23 | 515 | 8-9 Juni 2020 | |
| 151 | 223 | P | K 13 | A | JL. DIPONEGORO (WONOGIRI) | SURAKARTA | 18.733 | 68.695 | 87,06 | 2,28 | 10,23 | 0,43 | 100 | 49433 | 14270 | 143 | 1896 | 236 | 191 | 74 | 1843 | 64 | 0 | 16 | 16 | 529 | 11-12 Juni 2020 | |
| 152 | 224 | P | o | A | NGADIROJO - BITING / Bts.PROV.JATIM | SURAKARTA | 12.837 | 47.898 | 61,94 | 0,47 | 36,99 | 0,60 | 100 | 34632 | 6064 | 159 | 1728 | 40 | 20 | 143 | 4606 | 71 | 0 | 6 | 6 | 429 | 8-9 Juni 2020 | |
| 153 | 225 | P | o | A | PURWANTORO - NAWANGAN / Bts.Kab.PROV. JATIM | SURAKARTA | 5.973 | 28.347 | 80,95 | 2,65 | 16,09 | 0,32 | 100 | 21806 | 2202 | 96 | 2537 | 158 | 0 | 777 | 184 | 19 | 0 | 0 | 0 | 568 | 8-9 Juni 2020 | |
| 154 | 226 | P | o | A | NGADIROJO - GIRIWOYO | SURAKARTA | 6.626 | 29.506 | 83,59 | 2,14 | 13,82 | 0,44 | 100 | 22723 | 4683 | 55 | 801 | 73 | 69 | 26 | 890 | 29 | 0 | 0 | 0 | 157 | 11-12 Juni 2020 | |
| 155 | 227 | P | o | A | WONOGIRI - MANYARAN - BLIMBING | SURAKARTA | 6.665 | 33.270 | 80,90 | 2,54 | 15,68 | 0,89 | 100 | 26520 | 4318 | 42 | 1032 | 89 | 80 | 168 | 877 | 59 | 0 | 0 | 0 | 0 | 85 | 8-9 Juni 2020 |
| 156 | 228 | P | o | A | NGADIROJO - JATIPURO / Bts.Kab. KARANGANYAR | SURAKARTA | 2.282 | 8.914 | 83,00 | 0,35 | 16,52 | 0,13 | 100 | 6621 | 1460 | 84 | 350 | 7 | 1 | 374 | 3 | 3 | 0 | 0 | 0 | 0 | 11 | 11-12 Juni 2020 |
| 157 | 229 | P | o | A | KARANGANYAR - JATIPURO Bts.Kab.WONOGIRI | SURAKARTA | 3.770 | 16.948 | 78,06 | 0,48 | 21,22 | 0,24 | 100 | 13166 | 2621 | 13 | 309 | 16 | 2 | 99 | 701 | 8 | 0 | 0 | 1 | 12 | 4-5 Juni 2020 | |
| 158 | 230 | P | o | A | SUKOHARJO - WERU - WATUKELIR | SURAKARTA | 4.647 | 19.547 | 86,31 | 2,15 | 11,10 | 0,43 | 100 | 14761 | 3450 | 34 | 527 | 51 | 49 | 27 | 489 | 20 | 0 | 0 | 0 | 139 | 11-12 Juni 2020 | |
| 159 | 231 | P | o | A | KARANGWUNI - CAWAS - JENTIR | SURAKARTA | 5.606 | 45.905 | 71,49 | 0,30 | 27,93 | 0,27 | 100 | 39289 | 2833 | 27 | 1148 | 5 | 12 | 138 | 1428 | 15 | 0 | 0 | 0 | 1010 | 8-9 Juni 2020 | |
| 160 | 232 | P | o | A | CAWAS - KRENDETAN - WATUKELIR | SURAKARTA | 3.959 | 20.774 | 76,18 | 3,18 | 19,50 | 1,14 | 100 | 16536 | 2242 | 135 | 639 | 52 | 74 | 646 | 126 | 42 | 0 | 3 | 3 | 279 | 11-12 Juni 2020 | |
| 161 | 233 | P | o | A | WATUKELIR - GROGOL Bts.Kab.WONOGIRI | SURAKARTA | 2.507 | 19.841 | 61,07 | 0,32 | 38,41 | 0,20 | 100 | 17038 | 1011 | 10 | 510 | 4 | 4 | 54 | 909 | 5 | 0 | 0 | 0 | 296 | 8-9 Juni 2020 | |
| 162 | 234 | P | o | A | MANYARAN - GROGOL | SURAKARTA | 2.119 | 10.505 | 66,68 | 0,42 | 32,70 | 0,19 | 100 | 8191 | 975 | 9 | 429 | 3 | 6 | 674 | 19 | 4 | 0 | 0 | 0 | 195 | 11-12 Juni 2020 | |
| 163 | 235 | P | o | A | NAMENGAN - KRENDETAN | SURAKARTA | 2.937 | 13.533 | 68,88 | 0,20 | 30,09 | 0,83 | 100 | 11321 | 989 | 31 | 383 | 4 | 0 | 46 | 567 | 17 | 0 | 0 | 0 | 175 | 8-9 Juni 2020 | |
| 164 | 236 | P | o | A | SANGKAL PUTUNG - Bts.Kab.BOYOLALI | SURAKARTA | 15.025 | 59.622 | 59,46 | 0,29 | 39,67 | 0,58 | 100 | 43986 | 6710 | 155 | 2069 | 19 | 24 | 187 | 5774 | 83 | 0 | 4 | 4 | 611 | 29-30 Mei 2020 | |
| 165 | 237 | P | o | A | BOYOLALI - Bts.Kab.KLATEN | SURAKARTA | 17.097 | 70.248 | 67,23 | 3,06 | 28,75 | 0,96 | 100 | 53031 | 8938 | 197 | 2298 | 142 | 379 | 548 | 4341 | 164 | 0 | 0 | 0 | 210 | 4-5 Juni 2020 | |
| 166 | 238 | P | o | A | WURYANTORO - EROMOKO - PRACIMANTORO | SURAKARTA | 5.511 | 28.903 | 80,91 | 1,69 | 17,40 | 0,00 | 100 | 23385 | 3674 | 82 | 703 | 18 | 75 | 939 | 20 | 0 | 0 | 0 | 0 | 7 | 11-12 Juni 2020 | |
| 167 | 239 | P | o | A | LINGKAR SELATAN KARANGANYAR | SURAKARTA | 3.312 | 15.832 | 61,56 | 1,81 | 36,44 | 0,18 | 100 | 12101 | 1364 | 17 | 658 | 30 | 30 | 40 | 1167 | 6 | 0 | 0 | 0 | 419 | 29-30 Mei 2020 | |
| 168 | 340 | P | o | A | LINGKAR TIMUR SUKOHARJO | SURAKARTA | 6.865 | 28.340 | 72,82 | 1,60 | 23,42 | 2,07 | 100 | 21225 | 4025 | 42 | 932 | 75 | 41 | 135 | 1473 | 110 | 8 | 24 | 250 | 29-30 Mei 2020 | | |

DISAHKAN OLEH,

Kepala Bidang Rancang Bangun dan Pengawasan

Ir. Rudi Widiatmanto, MT.
NIP. 19640718 199108 1 001

DIPERIKSA OLEH,

Kepala Seksi Rancang Bangun

Elli Nur Wahjudijono, ST. MT.
NIP. 19701001 199208 1001

DISUSUN OLEH,

Semarang, Agustus 2020
Direktur PT. Permana Citra

Ury Wahyu Suprihati, S.Tr.T.
NIP. 19960103 201902 2006

Zulfahmi Satyawardhana

DATA STRAND

0.5" strands, $A_p = 100 \text{ mm}^2$

| | Unit | 0.5" |
|--|--------------------|-----------------|
| Characteristic tensile strength of a strand f_{tk} | N/mm ² | 1820 |
| Nominal diameter | mm | 12.9 |
| Cross sectional area of a strand A_p | mm ² | 100 |
| Characteristic load capacity of a strand P_{tk} | kN | 182 |
| Characteristic yield strength of a strand f_y | N/mm ² | 1640 |
| Specific elongation under maximum load | % | 3.5 |
| Contraction ψ | % | 30 |
| Elasticity modulus (average value) E_p | kN/mm ² | 195 |
| Fatigue resistance | cycles | 2×10^6 |
| - maximum stress σ_0 | % of f_{tk} | 70 |
| - stress variation $\Delta\sigma$ | N/mm ² | 200 |
| Relaxation after 1000 h, 20° C, 0.70 f_{tk} | % | max. 2.5 |



UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

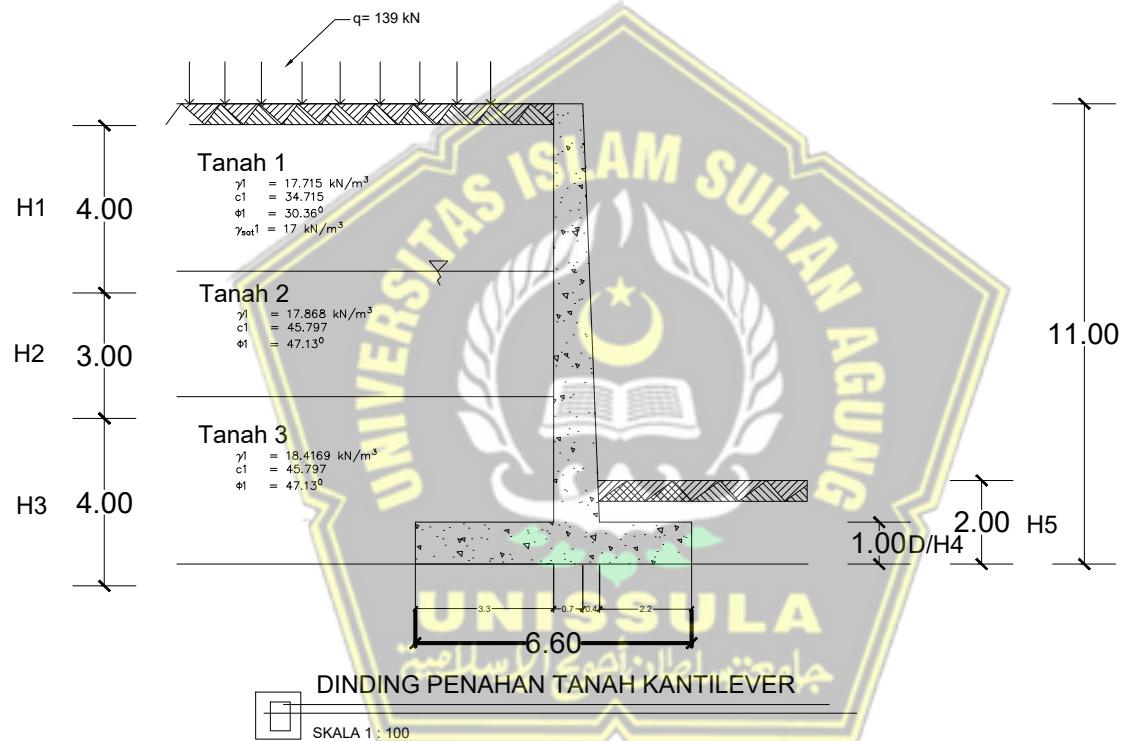
JUDUL GAMBAR

DINDING PENAHAN TANAH
KANTILEVER

NO . GAMBAR JML. GAMBAR

1

7





UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

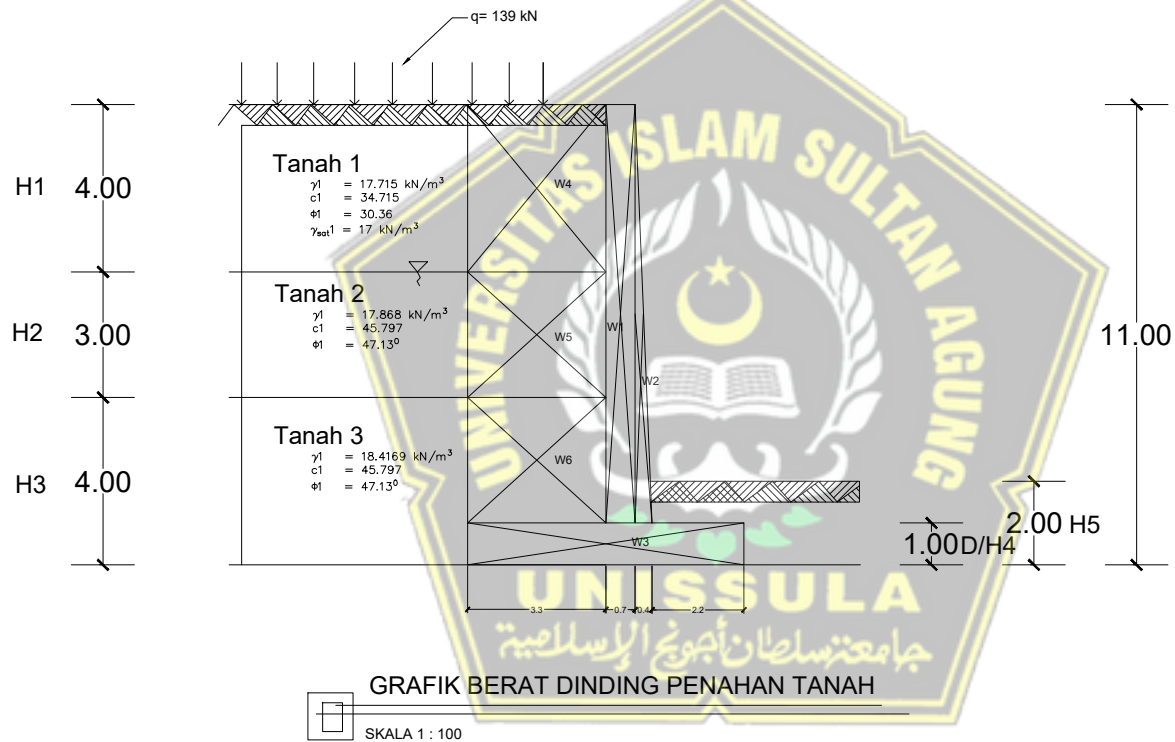
JUDUL GAMBAR

GRAFIK BERAT DINDING
PENAHAN TANAH

NO. GAMBAR JML. GAMBAR

2

7





UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

JUDUL GAMBAR

GRAFIK TEKANAN TANAH
AKTIF

| NO. GAMBAR | JML. GAMBAR |
|------------|-------------|
| 3 | 7 |

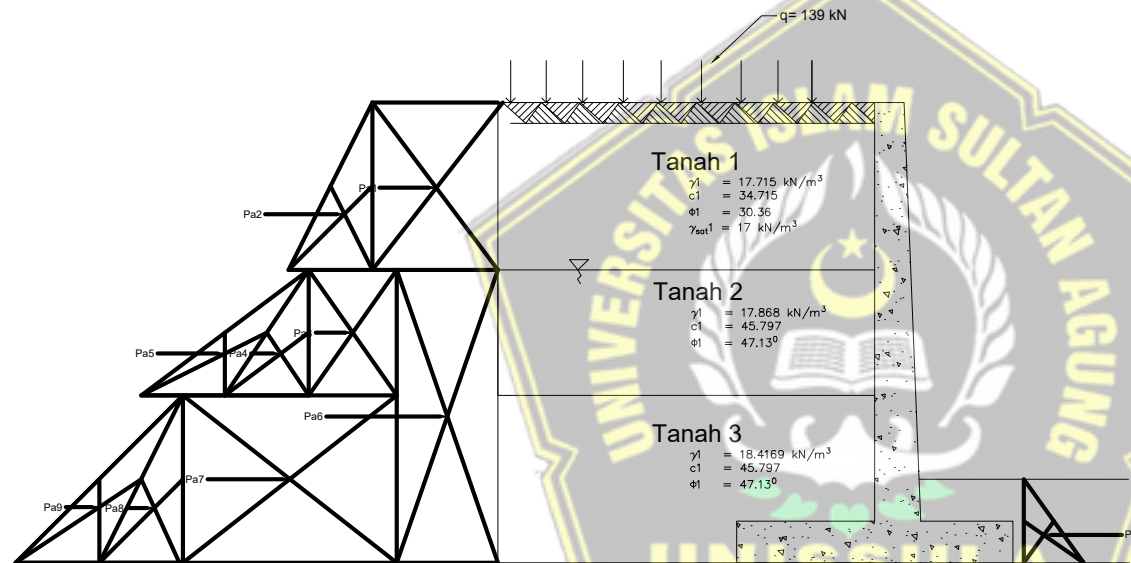


DIAGRAM TEKANAN TANAH AKTIF DAN PASIF



SKALA 1 : 100



DETAIL TULANGAN DINDIING PENAHAN TANAH

SKALA 1 : 50



UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

JUDUL GAMBAR

TULANGAN DINDING
PENAHAN TANAH

| NO. GAMBAR | JML. GAMBAR |
|------------|-------------|
|------------|-------------|

| | |
|---|---|
| 4 | 7 |
|---|---|



UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

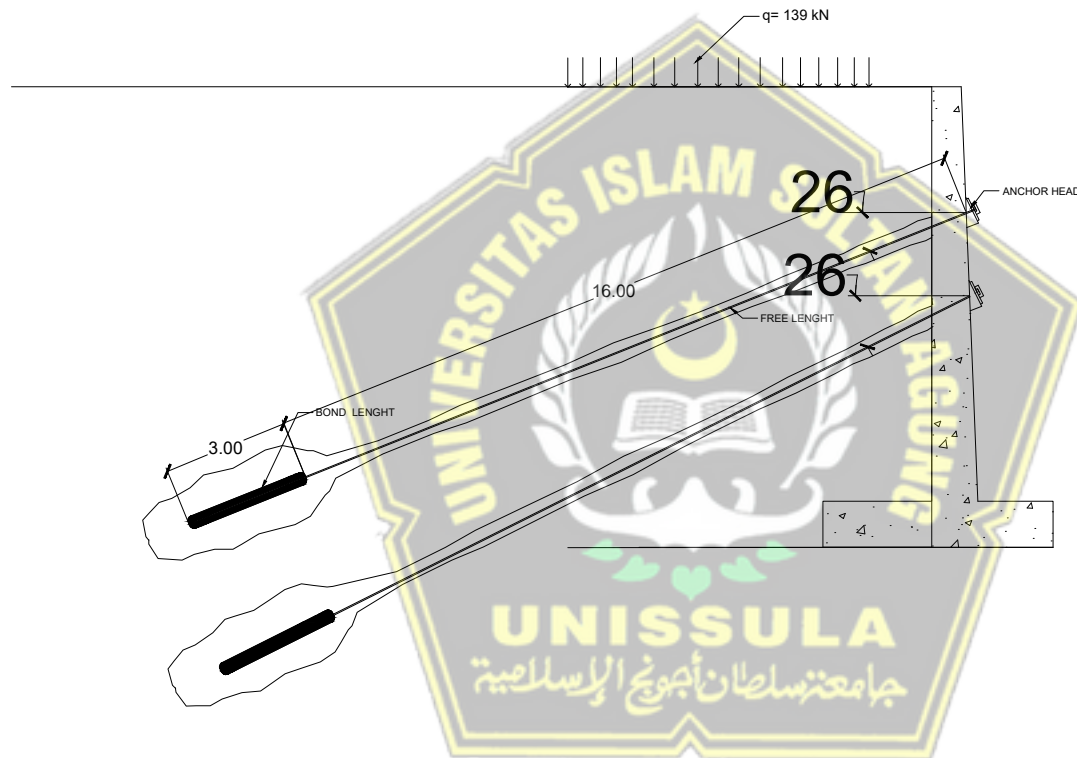
JUDUL GAMBAR

POT. MELINTANG DINDING
PENAHAN TANAH DENGAN
GROUND ANCHOR

NO. GAMBAR JML. GAMBAR

5

7



POT. MELINTANG DINDING PENAHAN TANAH DENGAN *GROUND ANCHOR*



SKALA 1 : 100



UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGAEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

JUDUL GAMBAR

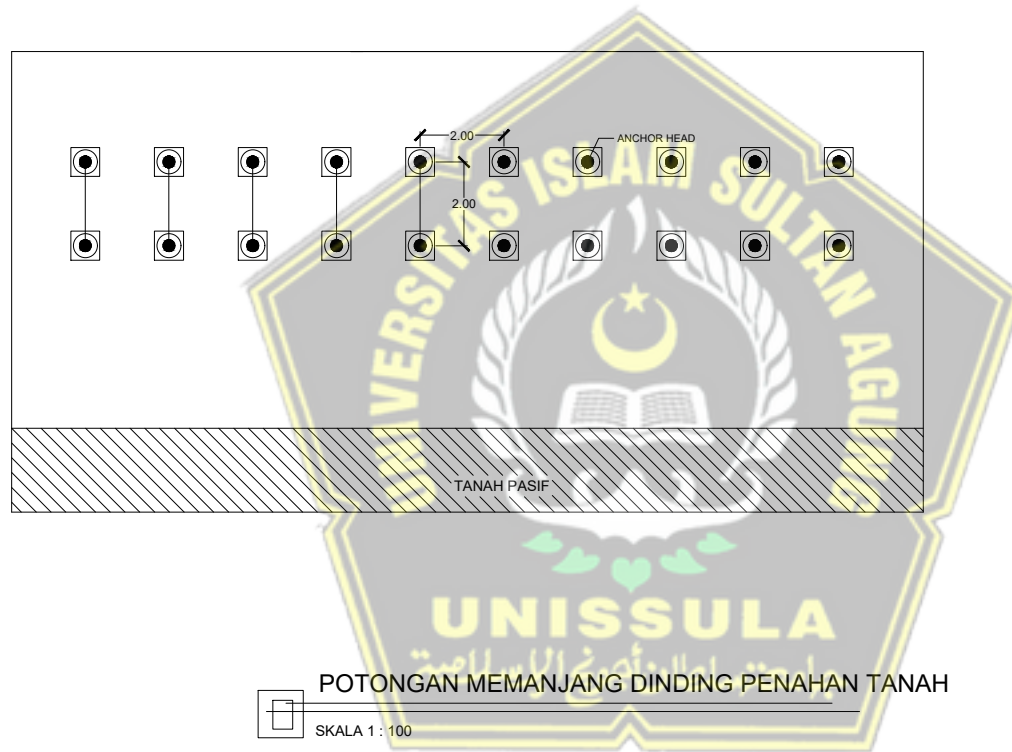
POT. MEMANJANG DINDING
PENAHAN TANAH DENGAN
GROUND ANCHOR

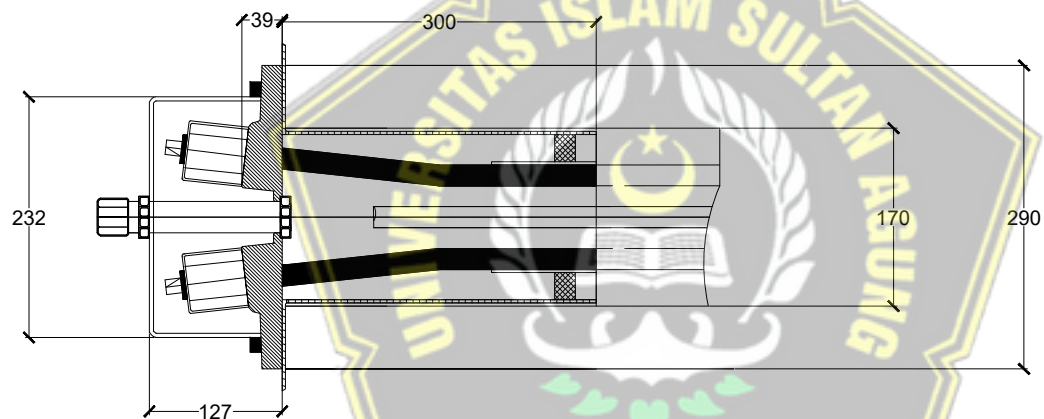
NO. GAMBAR

6

JML. GAMBAR

7





DETAIL HEAD ANCHOR
SKALA 1 : 25



UNIVERSITAS ISLAM
SULTAN AGUNG
SEMARANG

JUDUL TUGAS AKHIR

ANALISIS STABILITAS LERENG
SUNGAI NGASEM DENGAN
METODE *GROUND ANCHOR*
MENGUNAKAN PROGRAM
PLAXIS DAN *GEOSTUDIO*

DOSEN PEMBIMBING I

Dr. Ir. H. Soedarsono., M.Si

DOSEN PEMBIMBING II

Dr. Abdul Rochim., ST., MT

DIGAMBAR

Teguh Feri Yanto

Zaki Fuad Abdillah

JUDUL GAMBAR

DETAIL HEAD ANCHOR



| NO . GAMBAR | JML. GAMBAR |
|-------------|-------------|
|-------------|-------------|


| | |
|---|---|
| 7 | 7 |
|---|---|

LEMBAR ASISTENSI



Nama Teguh Feri Yanto (30201700172)
 Zaki Fuad Abdillah (30201700190)
 Tugas : Laporan Tugas Akhir
 Dosen Pembimbing 1 : Dr.Ir.H. Soedarsono..M.Si
 Dosen Pembimbing 2 : Di. Abdul Rochim, ST.. MT

| NO | TANGGAL | KETERANGAN | PARAF |
|----|-----------|--|---|
| | 31/5-2020 | - Bab I - Bab II (bagian alia) - Bab II + Praktek Study Pustaka & Terkini lanjutan |   |

| NO | TANGGAL | KETERANGAN | PARAF |
|----|------------|---|---|
| | 16/6 '2021 | <p>— Pruluha di/tebpi dasar /ruy ila yl digunac</p> <p>— Setelan Pruluha bena → digat → panyg anyg + Melet</p> <p>UNIVERSITAS ISLAM SULTAN SAIFUDDIN ZAHEDI KAMPUNG BONG UNISSULA جامعة سلطان ابو نوح الإسلامية</p> <p>— bay ila</p> |  |

| NO | TANGGAL | KETERANGAN | PARAF |
|----|--------------|------------------|---|
| | 19 Juli 2021 | ACC maju seminar |  |



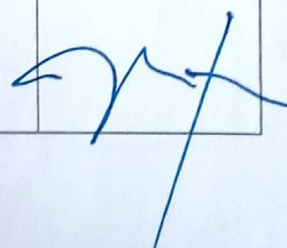


LEMBAR ASISTENSI



Nama : Teguh Feri Yanto (30201700172)
Zaki Fuad Abdillah (30201700190)
Tugas : Laporan Tugas Akhir
Dosen Pembimbing 1 : Dr.Ir.H. Soedarsono.,M.Si
Dosen Pembimbing 2 : Dr. Abdul Rochim, ST., MT

| NO | TANGGAL | KETERANGAN | PARAF |
|----|--------------|--|-------|
| | 24 Juni 2021 | <ul style="list-style-type: none">o Perbaiki Penulisan (beri jarak antara kalimat terakhir dan sub bab baru)o kondisi tanah jangan disebut dahulu<ul style="list-style-type: none">- Untuk kepastian perlu ada 1 sub bab tentang karakteristik tanah.o Tujuan No.1 diganti "Mengetahui karakteristik tanah lereng di Jalan Purwodadi."o Sebelum Perkuatan mekanis ground anchor, analisis dahulu SF kondisi eksisting.<ul style="list-style-type: none">- Foto perlu Perkuatan ?o Perbaiki penulisan sumber referensi, cukup (nama, tahun) | |

| NO | TANGGAL | KETERANGAN | PARAF |
|----|---------------|---|---|
| | 09. Juli 2021 | <ul style="list-style-type: none"> ◦ Perbaiki Pemakaian Rumus ◦ Ganti gambar yang tidak jelas ◦ Perbaiki bagian alur (Bab III) Lanjut Bab IV ◦ Perbaiki Penulisan <ul style="list-style-type: none"> - Bahasa asing dibuat miring - Penulisan Sumber karya (nama, tahun) ◦ Perbaiki Perhitungan beban merata ◦ Rodo perhitungan ala muka aer tidak ◦ Perhatikan Cara menggambar diagram tekanan lateralnya. <ul style="list-style-type: none"> - Tanah 2 dan 3 yang phi-nya sama, bukan tanah 1 dan 2 |  |
| | 20 Juli 2021 | <ul style="list-style-type: none"> ◦ Perbaiki beban merata |  |
| | 22 Juli 2021 | Bisa maju Seminar TA |  |



YAYASAN BADAN WAKAF SULTAN AGUNG
UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)

Jl. Raya Kaligawe Km.4 Semarang 50112 Telp. (024) 6583584 (8 Sal) Fax.(024) 6582455
email : informasi@unissula.ac.id web : www.unissula.ac.id

FAKULTAS TEKNIK

Bismillah Membangun Generasi Khaira Ummah

DOSEN PENGUJI
SEMINAR TUGAS AKHIR

Hari Rabu
Tanggal 28 Juli 2021
Jam 14.00 WIB

Judul Tugas Akhir

Analisis Stabilitas Lereng Sungai Ngasem Dengan Metode Ground Anchor
Menggunakan Program Plaxis Dan Geostudio

| | | | | |
|---|--------------------|-------------|---|--|
| 1 | Teguh Feri Yanto | 30201700172 | 1 | |
| 2 | Zaki Fuad Abdillah | 30201700190 | 2 | |

| NO | NAMA | TANDA TANGAN |
|----|---------------------------|--------------|
| 1 | Dr. Ir. H. Soedarsono,MSI | |
| 2 | Dr. Abdul Rochim,ST,MT | |
| 3 | Selvia Agustina,ST,M.Eng | |

Semarang, 28 Juli 2021
Ketua Program Studi Teknik Sipil

M Rusli Ahyar,ST,M.Eng
NIK. 210216089



Nomor : 29 / A.2 / SA - T / VII / 2021

Pada hari ini, Rabu Tanggal 28 Juli 2021 telah dilaksanakan

Seminar Tugas Akhir, dengan peserta sebagai berikut :

| | | |
|--------|--------------------|-------------|
| 1 Nama | Teguh Feri Yanto | 30201700172 |
| 2 Nama | Zaki Fuad Abdillah | 30201700190 |

Judul TA Analisis Stabilitas Lereng Sungai Ngasem Dengan Metode Ground Anchor
Menggunakan Program Plaxis Dan Geostudio

0

Dengan Hasil

: Baik dengan beberapa koreksi
: dari dosen pengnji
:

Demikian Berita Acara Seminar Tugas Akhir ini dibuat untuk diketahui dan digunakan seperlunya.

Dosen Pembimbing I

Dr. Ir. H. Soedarsono,MSI

Dosen Pembimbing II

Dr. Abdul Rochim,ST,MT

Dosen Pemanding

Selvia Agustina,ST,M.Eng

Mengetahui ,

Ketua Program Studi Teknik Sipil

M Rusli Ahyar,ST,M.Eng



SEMINAR TUGAS AKHIR

Nama Mahasiswa / NIM Teguh Fery Yanto (30201700172) / Zaki Fuad Abdillah (30201700169)
Hari / Tanggal Rabu, 28 Juli 2021
Judul TA ANALISIS STABILITAS LERENG SUNGAI NGASEM DENGAN
METODE GROUND ANCHOR MENGGUNAKAN PROGRAM PLAXIS
DAN GEOSTUDIO

| NO | |
|----|---|
| 1 | Perbaiki pada bagian cur untuk kontrol SF |
| 2 | Perbaiki dan gambar Tahanan tanah aktif dan pasif |
| 3 | Gambar ground anchor lebih didetailkan. |
| 4 | |
| 5 | |

DOSEN PENGUJI




SEMINAR TUGAS AKHIR

Nama Mahasiswa / NIM Teguh Fari Yanto (30701700172) / Zaki Fuad Abdillah (30701700190)
Hari / Tanggal Rabu, 28 Juli 2021
Judul TA ANALISIS STABILITAS LERENG SUNDIWI MENGGUNAKAN METODE
GROUND ANCHOR MENGGUNAKAN PROGRAM PLAXIS DAN GEOSTUDIO

| NO | |
|----|--|
| 1 | Perbaiki bagian Ater pada kontrol SF |
| 2 | Penyusunan masalah dan kesimpulan dicak kembali |
| 3 | Abstrak diperbaiki lagi. |
| 4 | Perbaiki dan gambar beban tanah aktif dan pasif. |
| 5 | |

DOSEN PENGUJI






SEMINAR TUGAS AKHIR

Nama Mahasiswa / NIM : Teguh Feri Yanto (30201700172) Zaki Fuad Abdillah (30201700190)
Hari / Tanggal : Rabu / 20 Juli 2021
Judul TA : Analisis Stabilitas lereng Sungai Ngasem Dengan Metode Ground Anchor menggunakan Program Plaxis dan Geostudio

| NO | |
|----|---|
| 1 | Perbaiki pada bagian alur pada Kontrol SF Dinding Peratan tanah |
| 2 | Ramisan masalah dan kemampu di cek kembali |
| 3 | Perbaiki Diagram tanah aktif dan pasif |
| 4 | Perbaiki persamaan Rumus pada laporan |
| 5 | Gambar dan tabel diberi / ditambah uraian rumus identitas. |

DOSEN PENGUJI



ANALISIS STABILITAS LERENG SUNGAI NGASEM DENGAN METODE GROUND ANCHOR MENGGUNAKAN PROGRAM PLAXIS DAN GEOSTUDIO

ORIGINALITY REPORT

24%

SIMILARITY INDEX

20%

INTERNET SOURCES

2%

PUBLICATIONS

15%

STUDENT PAPERS

PRIMARY SOURCES

| | | |
|---|---|-----|
| 1 | Submitted to Sultan Agung Islamic University Student Paper | 9% |
| 2 | repository.its.ac.id Internet Source | 2% |
| 3 | triwahyukuningsih.wordpress.com Internet Source | 1% |
| 4 | www.scribd.com Internet Source | 1% |
| 5 | 123dok.com Internet Source | 1% |
| 6 | am-lin.blogspot.com Internet Source | 1% |
| 7 | repository.umsu.ac.id Internet Source | 1% |
| 8 | dspace.uii.ac.id Internet Source | <1% |

es.scribd.com

| | | |
|----|---|------|
| 9 | Internet Source | <1 % |
| 10 | text-id.123dok.com Internet Source | <1 % |
| 11 | qdoc.tips Internet Source | <1 % |
| 12 | Submitted to Universitas International Batam Student Paper | <1 % |
| 13 | www.slideshare.net Internet Source | <1 % |
| 14 | Submitted to Universitas Diponegoro Student Paper | <1 % |
| 15 | repository.usu.ac.id Internet Source | <1 % |
| 16 | Submitted to Universitas Negeri Surabaya The State University of Surabaya Student Paper | <1 % |
| 17 | Submitted to University of Malaya Student Paper | <1 % |
| 18 | muslimharuscaldas.wordpress.com Internet Source | <1 % |
| 19 | pt.scribd.com Internet Source | <1 % |
| 20 | eprints.umm.ac.id Internet Source | <1 % |

<1 %

21

hananisatugas.blogspot.com

Internet Source

<1 %

22

id.scribd.com

Internet Source

<1 %

23

Submitted to Sriwijaya University

Student Paper

<1 %

24

captainpiezocone.blogspot.com

Internet Source

<1 %

25

Submitted to Politeknik Negeri Bandung

Student Paper

<1 %

26

repository.unissula.ac.id

Internet Source

<1 %

27

silmiamediabki.wordpress.com

Internet Source

<1 %

28

repositori.usu.ac.id

Internet Source

<1 %

29

www.scilit.net

Internet Source

<1 %

30

lib.unnes.ac.id

Internet Source

<1 %

31

core.ac.uk

Internet Source

<1 %



| | | |
|----|---|------|
| 32 | eprints.ums.ac.id Internet Source | <1 % |
| 33 | doku.pub Internet Source | <1 % |
| 34 | jurnal.untad.ac.id Internet Source | <1 % |
| 35 | Dspace.uii.ac.id Internet Source | <1 % |
| 36 | Submitted to Istanbul University Student Paper | <1 % |
| 37 | Submitted to University of Edinburgh Student Paper | <1 % |
| 38 | eprints.uns.ac.id Internet Source | <1 % |
| 39 | www.muslimdakwah.com Internet Source | <1 % |
| 40 | eprints.itenas.ac.id Internet Source | <1 % |
| 41 | idr.uin-antasari.ac.id Internet Source | <1 % |
| 42 | Submitted to Kolej Universiti Linton Student Paper | <1 % |
| 43 | darmadi18.wordpress.com Internet Source | <1 % |

| | | |
|----|---|------|
| 44 | Submitted to Fakultas Ekonomi dan Bisnis Universitas Gadjah Mada Student Paper | <1 % |
| 45 | digilib.unila.ac.id Internet Source | <1 % |
| 46 | ejournalunigoro.com Internet Source | <1 % |
| 47 | Submitted to Universitas Islam Malang Student Paper | <1 % |
| 48 | jurnal.unismabekasi.ac.id Internet Source | <1 % |
| 49 | idoc.pub Internet Source | <1 % |
| 50 | jurnal.unissula.ac.id Internet Source | <1 % |
| 51 | area-tekniksipil.blogspot.com Internet Source | <1 % |
| 52 | jurnalmahasiswa.unesa.ac.id Internet Source | <1 % |
| 53 | ejournal.itn.ac.id Internet Source | <1 % |
| 54 | repo.itera.ac.id Internet Source | <1 % |
| 55 | repository.unpar.ac.id Internet Source | <1 % |

<1 %

56

www.arsitur.com

Internet Source

<1 %

57

Submitted to Forum Perpustakaan Perguruan Tinggi Indonesia Jawa Timur

Student Paper

<1 %

58

Submitted to Universitas Mulawarman

Student Paper

<1 %

59

materimu.files.wordpress.com

Internet Source

<1 %

60

Iskahar Iskahar, Sulfah Anjarwati, Livia Oktafiani Rejeki. "PENGARUH BEBAN BERLEBIH TERHADAP UMUR RENCANA PERKERASAN JALAN (STUDI KASUS RUAS JALAN JENDERAL SOEDIRMAN SOKARAJA)", CIVeng: Jurnal Teknik Sipil dan Lingkungan, 2021

Publication

<1 %

61

Submitted to Universitas Brawijaya

Student Paper

<1 %

62

Submitted to Universitas Islam Indonesia

Student Paper

<1 %

63

musindalestarimusi.wordpress.com

Internet Source

<1 %

| | | |
|----|---|------|
| 64 | publikasi.unitri.ac.id Internet Source | <1 % |
| 65 | www.tandfonline.com Internet Source | <1 % |
| 66 | docplayer.info Internet Source | <1 % |
| 67 | jurnal.umj.ac.id Internet Source | <1 % |
| 68 | jurnal.uns.ac.id Internet Source | <1 % |
| 69 | repository.ipb.ac.id:8080 Internet Source | <1 % |
| 70 | repository.unika.ac.id Internet Source | <1 % |
| 71 | www.coursehero.com Internet Source | <1 % |
| 72 | tambangunp.blogspot.com Internet Source | <1 % |
| 73 | www.jejakislam.com Internet Source | <1 % |
| 74 | edwardpgultom.blogspot.com Internet Source | <1 % |
| 75 | ejurnal.untag-smd.ac.id Internet Source | <1 % |

Exclude quotes Off

Exclude matches Off

Exclude bibliography Off

