

LAMPIRAN

LAMPIRAN 1. Formulir SIG 1

| SIG - 1 (KONDISI SAAT INI) | | SKETSA SIMPANG | | | | | | | | |
|---|-----------------------|------------------|----------------------|-----------------------------|------------------------------|--------------------|----------------------------|-----------------------------|--|-----------------------------|
| SIMPANG BERSINYAL formulir SIG : 1 | | Tanggal | 7 Agustus 2023 | ditangan oleh : Dino Rayono | | | | | | |
| GEOMETRI PENGATURAN LALULINTAS LINGKUNGAN | | kota | Gresik | | | | | | | |
| | | simpang | LEGUNDI-Gresik | | | | | | | |
| | | ukuran kota | 1,4 jr | | | | | | | |
| | | perihal | 4-Fase Hijau Awal | | | | | | | |
| | | periode | jam puncak Pagi-Sore | | | | | | | |
| FASE SINYAL YANG ADA | | | | | | | | | | |
| g | g | g | g | waktu siklus | | | | | | |
| 64 | 71 | 61 | 61 | C | | | | | | |
| 2 | 2 | 2 | 2 | waktu hilang total | | | | | | |
| | | | | 267 | | | | | | |
| | | | | LTI = : IG | | | | | | |
| | | | | 8 | | | | | | |
| | | | | | | | | | | |
| <p>KETERANGAN</p> <ul style="list-style-type: none"> —> L T —> S T —> R T | | | | | | | | | | |
| KONDISI LAPANGAN EKSTING | | | | | | | | | | |
| Kondisi Pendekat | Tipe Lingkungan Jalan | Hambatan Samping | Median Ya/Tidak | Kelan daian | Belok Kiri Langsung Ya/Tidak | Jarak ke Kendaraan | Lebar Pendekat (m) | | | |
| | | | | | | | Pendekat (W _A) | Masuk (W _{masuk}) | Belok Kiri Langsung (W ₁₂₀₂) | Keluar (W _{Exit}) |
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] |
| Utara | Commercial | Sedang | Tidak | | Tidak | 9 | 4,5 | 4,5 | | 4,5 |
| Selatan | Commercial | Sedang | Tidak | | Tidak | 9 | 4,5 | 4,5 | | 4,5 |
| Timur | Commercial | Sedang | Tidak | | Tidak | 11 | 5,5 | 5,5 | | 5,5 |
| Barat | Commercial | Sedang | Tidak | | Tidak | 9 | 4,5 | 4,5 | | 4,5 |

Lampiran 2. Formulir SIG 2

| SIG - 2 (KONDISISALIN) | | Kantoran | | Kantoran | | Kantoran | | Kantoran | | Kantoran | | Kantoran | | Kantoran | | | |
|------------------------|-----------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-----|-----------------|---------|----------------|-----------------|
| SIMPANG BESIKSARFAL | | Simpang | | Simpang | | Simpang | | Simpang | | Simpang | | Simpang | | Simpang | | | |
| ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | ANUS JALUTINTAS | | | |
| Kode Pembuat | Sasak | Kondisi | | Kondisi | | Kondisi | | Kondisi | | Kondisi | | Kondisi | | Rasio Berkas | Kondisi | Rasio (T/M) | Rasio T/MATV |
| | | Tempo | Tempo | Tempo | Tempo | Tempo | Tempo | Tempo | Tempo | Tempo | Tempo | | | | | | |
| Lias | LTOR / IT | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | | | | |
| | ST | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | | | |
| | Total | 770 | 770 | 770 | 770 | 770 | 770 | 770 | 770 | 770 | 770 | 770 | 770 | | | | 0.0019 |
| Sibuan | LTOR / IT | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | | | | |
| | ST | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | | | | |
| | Total | 485 | 485 | 485 | 485 | 485 | 485 | 485 | 485 | 485 | 485 | 485 | 485 | | | | 0.0005 |
| Tumbang | LTOR / IT | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | | | | |
| | ST | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | | | | |
| | Total | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | | | | 0.0029 |
| Baur | LTOR / IT | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | | | | |
| | ST | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | | | | |
| | Total | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | | | | 0.003 |

Lampiran 4. Formulir SIG 4

| SIG-4 (KONDISI SAAT IN) | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-----------------|-------------|---------------------|-------|------|---------|---------|-------------------|---|-------------------------|-----------------------------|-------|------|-------|-------|----------------------------------|-------------------------|---------------|--------------------------------------|----------------------------|-------------------|------------------|
| SMPANGRENSIAL | | | | | | | | | | | | | | | | | | | | | | |
| 1) PENENTAN WAKTU SIVAL | | | | | | | | | | | | | | | | | | | | | | |
| 2) KAPASITAS | | | | | | | | | | | | | | | | | | | | | | |
| Kabupaten : Gresik | | | | | | | | | | | | | | | | | | | | | | |
| Simpang : Legundi, Gresik | | | | | | | | | | | | | | | | | | | | | | |
| Perihal : 4 Fee Lampu Hijau | | | | | | | | | | | | | | | | | | | | | | |
| Periode : Jan-Puncak-Pagi-Sore | | | | | | | | | | | | | | | | | | | | | | |
| Kode Pendek | Hijau Dalam Fee | Type Pendek | Rasio | | | Arus RT | | Lebar Efektif (m) | Nilai Dasar simpang Hijau \$ ₀ | Arus/arah simpang hijau | | | | | | Nilai Deskripsi simpang Hijau \$ | Arus Lulu simpang Lulus | Rasio Arus RT | Rasio Fee PR = Fee _{PR} del | Waktu Hijau simpang 5 x 5c | Kapasitas simpang | Derajat Kepekaan |
| | | | Kelembaran Berbedak | P.LIT | P.KT | Q.KT | Q.KTO | | | We | Factor - Factor Perencanaan | Nilai | Arus | Rasio | Rasio | | | | | | | |
| | | | | | | | Arus RT | Arus Laman | | | Arus | Arus | Arus | Fee | Fee | Waktu | Kapasitas | Derajat | | | | |
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] | [12] | [13] | [14] | [15] | [16] | [17] | [18] | [19] | [20] | [21] | [22] | [23] |
| Um | 1 | 0 | 0 | 0,34 | 0,31 | 5,42 | 699 | 4,30 | 2700 | 1,05 | 0,94 | 1,00 | 1,00 | 1,08 | 0,95 | 2661,77 | 609 | 0,23 | 0,23 | 64 | 642,85 | 0,9 |
| Selam | 2 | 0 | 0 | 0,38 | 0,34 | 6,99 | 5,92 | 4,30 | 2700 | 1,05 | 0,94 | 1,00 | 1,00 | 1,09 | 0,94 | 2865,30 | 964 | 0,34 | 0,34 | 71 | 773,54 | 1,2 |
| Tamir | 3 | 0 | 0 | 0,33 | 0,34 | 5,57 | 4,94 | 5,30 | 3300 | 1,05 | 0,95 | 1,00 | 1,00 | 1,09 | 0,95 | 3149,30 | 688 | 0,22 | 0,22 | 61 | 74,98 | 0,9 |
| Ber | 4 | 0 | 0 | 0,31 | 0,36 | 4,94 | 5,57 | 4,30 | 2700 | 1,05 | 0,95 | 1,00 | 1,00 | 1,09 | 0,95 | 2895,16 | 586 | 0,22 | 0,22 | 61 | 620,4 | 0,9 |

Lampiran 5. Formulir SIG 5

| SIG - 4 (KONDISI SAAT INI) | | | | | | | | | | | | | | | |
|-----------------------------|------------------------------------|----------------------------------|----------------------------------|-----------------------------|---|-------|-----------------|------------|---------------------------|--------------------------------|---|--|--|---|---------------------------------------|
| SIMPANG BERSYARAI | | | | | | | | | | | | | | | |
| 1) JUDUL KEMBARAAN TERHEBIT | | | | | | | | | | | | | | | |
| 2) PANJANG ANTARAN | | | | | | | | | | | | | | | |
| 3) TITIK DAN | | | | | | | | | | | | | | | |
| Kode Pondok | Arus Lalu Lintas simp/jum | Kapasitas simp/jum 5 x g/c | Derajat Kejenuhan DS = Q/C | Rasio Efijun GR = g/c | Kategori : Grek Simpang : Lengkuk Grek | | | | Panjang Arahkan (m) | Rasio Kendaraan simp/jum | Jumlah Kendaraan Terhebit simp/jum | Tunduan Lalu Lintas Rata - Rata del/smp | Tunduan Geometrik Rata - Rata del/smp | Tunduan Rata - Rata del/smp D = DT + Dg | Tunduan Total simp/det D x Q |
| | | | | | Jumlah Kendaraan Aduki (smp) | Total | $NQ_1 + NQ_2 =$ | NQ_{max} | | | | | | | |
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] | [12] | [13] | [14] | [15] | [16] |
| Urban | 609 | 640,85 | 0,9 | 0,24 | -14,16 | 49,81 | 35,65 | 50 | 222 | 0,76 | 438,48 | 77,74 | 3,47 | 81,21 | 4967 |
| Selatan | 984 | 773,54 | 1,2 | 0,28 | 44,77 | 59,13 | 103,90 | 100 | 711 | 1,32 | 1272,48 | 212,77 | 4,51 | 217,28 | 208458 |
| Taman | 688 | 724,96 | 0,9 | 0,25 | -15,97 | 56,27 | 40,30 | 56 | 304 | 0,72 | 495,36 | 77,74 | 3,48 | 81,17 | 55945 |
| Batu | 306 | 620,4 | 0,9 | 0,25 | -13,66 | 47,95 | 31,9 | 46 | 304 | 0,67 | 392,62 | 77,71 | 3,31 | 81,02 | 4778 |

Lampiran 6. Survei dan Pengambilan Data



SIMPANG UTARA





SIMPANG BARAT





SIMPANG TIMUR





SIMPANG SELATAN

