

### Lampiran 13 Formulir SIG-V Alternatif I

| SIMPANG BERSINYAL           |                          |                   |                      |                | Tanggal : 3 April 2017        |                 |   |                   |                     | Ditangani oleh : Suprayoga Pangestu            |   |                                       |                                    |                                       |                        |
|-----------------------------|--------------------------|-------------------|----------------------|----------------|-------------------------------|-----------------|---|-------------------|---------------------|--|---|---------------------------------------|------------------------------------|---------------------------------------|------------------------|
| Formulir SIG V              |                          |                   |                      |                | Kabupaten : SLEMAN            |                 |   |                   |                     | Perihal : 3 FASE                               |   |                                       |                                    |                                       |                        |
| PANJANG ANTRIAN             |                          |                   |                      |                | Simpang : Jalan Magelang KM 5 |                 |   |                   |                     | Periode : 16.00 - 17.00 WIB (Jam Puncak Siang) |   |                                       |                                    |                                       |                        |
| JUMLAH KENDARAAN TERHENTI   |                          |                   |                      |                | Waktu siklus : 113 detik      |                 |   |                   |                     |  |   |                                       |                                    |                                       |                        |
| TUNDAAN                     |                          |                   |                      |                |                               |                 |   |                   |                     |  |   |                                       |                                    |                                       |                        |
| Kode Pendekat               | Arus lalu lintas smp/jam | Kapasitas smp/jam | Derajat kejenuhan DS | Rasio hijau GR | Jumlah kendaraan antri        |                 |   |                   | Panjang antrian (m) | Rasio kendaraan stop/smp                       | Jumlah kendaraan terhenti                     | Tundaan                               |                                    |                                       |                        |
|                             |                          |                   |                      |                | NQ <sub>1</sub>               | NQ <sub>2</sub> | Total NQ <sub>1</sub> +NQ <sub>2</sub> = NQ | NQ <sub>MAX</sub> |                     |  |   | Tundaan lalu lintas rata-rata det/smp | Tundaan geometri rata-rata det/smp | Tundaan rata-rata det/smp             | Tundaan total det. smp |
|                             |                          |                   |                      |                |                               |                 |   |                   |                     |  |   |                                       |                                    |                                       |                        |
| Q                           | C                        | Q/C               | g/c                  |                |                               |                 |   |                   |                     |  | DT  | DG                                    | D=DT+DG                            | D × Q                                 |                        |
| U                           | 923                      | 1508              | 0.61                 | 0.265          | 0.29                          | 22.50           | 22.79                                       | 33.2              | 88.64               | 0.7  | 653   | 21.3                                  | 3.3                                | 24.6                                  | 22733.51               |
| S                           | 884                      | 1439              | 0.61                 | 0.248          | 0.30                          | 21.79           | 22.08                                       | 32.3              | 86.17               | 0.7  | 633   | 19.7                                  | 3.4                                | 23.1                                  | 20430.21               |
| B                           | 403                      | 584               | 0.69                 | 0.239          | 0.61                          | 10.20           | 10.81                                       | 17.5              | 109.37              | 0.8  | 310   | 20.3                                  | 4.1                                | 24.4                                  | 9815.77                |
| T                           | 481                      | 958               | 0.50                 | 0.239          | 0.00                          | 15.01           | 15.02                                       | 23.0              | 86.91               | 0.9  | 431   | 20.8                                  | 4.1                                | 24.9                                  | 11962.51               |
| LTOR (semua)                | 581                      |                   |                      |                |                               |                 |   |                   |                     |  |   | 0                                     | 6                                  | 6                                     | 3485                   |
| Arus kor. Q kor             |                          |                   |                      |                |                               |                 |   |                   |                     |  | 2027  |                                       |                                    | TOTAL                                 | 68427                  |
| Arus total Q <sub>tot</sub> | 3272                     |                   |                      |                |                               |                 |   |                   |                     |  | Kendaraan terhenti rata-rata stop/smp : 0.620 |                                       |                                    | Tundaan simpang rata-rata : (det/smp) | 20.913                 |