

BAB VI

KESIMPULAN DAN SARAN

6.1. Kesimpulan

Setelah melalui tahap analisis dan pembahasan, penulis dapat mengambil beberapa kesimpulan dari penelitian ini. Kesimpulan yang berkaitan dengan pengaruh hambatan samping terhadap kinerja ruas Jalan Siliwangi Kota Kupang adalah sebagai berikut :

1. Hasil analisis kinerja ruas Jalan Siliwangi Kota Kupang dilakukan berdasarkan volume lalu lintas tertinggi pada pukul 18.00-19.00 WITA pada hari Sabtu 22 April 2017 dan jam puncak berdasarkan terjadinya hambatan samping tertinggi pada pukul 17.45-18.45 WITA pada hari Sabtu 22 April 2017.
 - a. Analisis berdasarkan volume lalu lintas tertinggi pada hari Sabtu 22 April 2017 pada pukul 18.00-19.00 diperoleh nilai kapasitas sebesar 1806.11 smp/jam, nilai DS sebesar 0.69, dan FV 31.26 km/jam. Termasuk dalam tingkat pelayanan C.
 - b. Analisis berdasarkan hambatan samping tertinggi pada hari Sabtu 22 April pukul 17.45-18.45 diperoleh nilai kapasitas sebesar 1607.88 smp/jam, nilai DS sebesar 0.76, dan FV sebesar 27.83 km/jam. Termasuk dalam tingkat pelayanan D, karena memiliki kecepatan yang rendah.

Hasil analisis yang menunjukkan penurunan kapasitas dan kecepatan tempuh kendaraan di akibatkan oleh adanya hambatan samping yang tinggi dapat dilihat pada jam puncak hambatan samping sore hari pada

pukul 17.45-18.45 WITA. Dengan ruas jalan sebesar $0.76 > 0.75$. dari keterangan tersebut dapat disimpulkan bawah derajat kejenuhan sudah melebihi nilai yang dapat diterima sesuai dengan MKJI 1997, maka perlu dicarikan alternatif untuk mengatasi permasalahan yang ada.

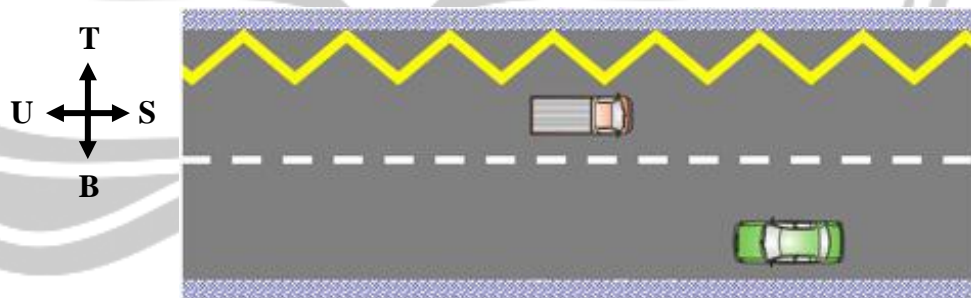
2. Solusi yang diberikan untuk mengatasi masalah yang terjadi pada ruas Jalan Siliwangi Kota Kupang adalah sebagai berikut:
 - a. Memberlakukan parkir pada salah satu sisi jalan, diperoleh nilai kapasitas jalan sebesar 1952.80 smp/jam, DS sebesar 0.62 dan FV 32.79 km/jam. Termasuk dalam tingkat pelayanan C.
 - b. Melarang kendaraan keluar masuk sisi jalan diperoleh nilai kapasitas jalan sebesar 2089.04 smp/jam, DS sebesar 0.58 dan FV 32,79 km/jam. Termasuk dalam tingkat pelayanan C.
 - c. Pengalihan kendaraan berat diperoleh nilai kapasitas jalan sebesar 1675.61 smp/jam, DS sebesar 0.68 dan FV 27.83 km/jam. Termasuk dalam tingkat pelayanan C.
 - d. Memberlakukan parkir di salah satu sisi jalan dan pengalihan kendaraan berat diperoleh nilai kapasitas jalan sebesar 1952.80 smp/jam, DS sebesar 0.58 dan FV 32.79 km/jam. Termasuk dalam tingkat pelayanan C.
 - e. Melarang kendaraan masuk dan keluar sisi jalan, memberlakukan parkir di salah satu sisi jalan dan pengalihan kendaraan berat melewati ruas jalan diperoleh nilai kapasitas jalan sebesar 2089.04 smp/jam, DS sebesar 0.54 dan FV 36.60 km/jam. Termasuk dalam tingkat pelayanan C.

Dari beberapa alternatif di atas alternatif ke lima yang menunjukkan turunya derajat kejenuhan yang memberikan pengaruh terhadap kinerja ruas jalan. Menurut Peraturan Menteri Perhubungan Nomor: KM 14 Tahun 2006 tingkat pelayanan jalan masih dikategorikan dalam tingkat pelayanan C namun besarnya kapasitas dan kecepatan tempuh yang rendah menandakan kondisi jalan yang normal tanpa adanya kemacetan.

6.2. Saran

Berdasarkan hasil analisis dan kesimpulan di atas, maka diberikan saran yang dapat meningkatkan kinerja ruas Jalan Siliwangi Kota Kupang agar menjadi lebih baik. Beberapa saran tersebut antara lain :

1. Memasang marka berwarna kuning dengan garis berbiku-biku atau zig-zag agar kendaraan tidak berhenti atau parkir pada daerah/ lokasi tertentu sepanjang ruas Jalan Siliwangi dari arah utara ke selatan.



Gambar 6.1 Garis Marka Kuning Zig-zag

2. Memberlakukan sanksi tegas (tilang) bagi kendaraan yang masih parkir pada bahu jalan pada daerah larangan parkir.
3. Sebaiknya disediakan atau ditempatkan petugas parkir yang aktif di lokasi ruas Jalan Siliwangi pada arah utara ke selatan untuk membantu dalam merapikan dan menertibkan kendaraan yang parkir.

DAFTAR PUSTAKA

- Direktorat Jendral Bina Marga, *Departemen Pekerjaan Umum RI, 1997, Manual Kapasitas Jalan Indonesia*, Jakarta.
- Direktorat Jendral Bina Marga, *Departemen Pekerjaan Umum RI, 1985, Peraturan Pemerintah Republik Indonesia Nomor 26 Tahun 1985 Tentang jalan, jakarta*
- Gea, M. S. A., Harianto, J., 2011, *Analisis Kinerja Ruas Jalan Akibat Parkir Pada Badan Jalan*, Laporan Penelitian Universitas Sumatera Utara.
- Hadut, Anastasia Mega (2017) *Analisis Tingkat Pelayanan Ruas Jalan (Studi Kasus Jalan R. W. Monginsidi – Kota Kupang, NTT)*, Tugas Akhir, Program Studi Teknik Sipil, Universitas Atmajaya Yogyakarta.
- Hobbs, F. D., 1995, *Perencanaan dan Teknik Lalu Lintas*, Edisi Ke Dua, Penerbit Gadjah Mada University Press.
- Kumanireng, Penni Ola (2011) *Analisis Kinerja Ruas Jalan Mataram Raya Jakarta (Studi Kasus Pertigaan Jatinegara Barat s/d Pertigaan Jatinegara Timur)*, Tugas Akhir, Program Studi Teknik Sipil, Universitas Atmajaya Yogyakarta.
- Kurniadhi, Ngakan Putu Ari (2011) *Analisis Kinerja Ruas Jalan Menurut MKJI 1997 (Stusi Kasus : Jalan sulawesi Denpasar, Bali)*, Tugas Akhir, Program Studi Teknik Sipil, Universitas Atmajaya Yogyakarta.
- Morlok, Edward K, 1984, *Pengantar Teknik dan Perencanaan Transportasi*, terjemahan Johan K Hainim, Erlangga, Jakarta.
- Peraturan Menteri Perhubungan Nomor KM 14, 2006, *Manajemen Dan Rekayasa Lalu Lintas Di Jalan*.
- Pos Kupang, 25 april 2016, *Kota Kupang Tumbuh Makin Dewasa*.
- Republik Indonesia. 2006. *Peraturan Pemerintah Republik Indonesia No. 34 Tahun 2006 tentang jalan*.
- Rosa, Maria De Fatima Peregrina De Sousa (2014) *Analisis Kinerja Ruas Jalan Akibat Parkir Pada Badan Jalan (Studi Kasus Jl. José Maria Marques, Dili)*, Tugas Akhir, Program Studi Teknik Sipil, Universitas Atmajaya Yogyakarta.

Sukirman, S., 1999, *Dasar-dasar Perencanaan Geometri Jalan*, Penerbit Nova,Bandung.

Tamin, Ofyar. Z, 2000, *Perencanaan dan Pemodelan Transportasi*, ITB, Bandung.

Wibowo, Sony Sulaksono. 2001. *Rekayasa Jalan*. Bandung: ITB.

Wijanarko, Andreas Andra Wisnu (2011) *Analisis Kinerja Ruas Jalan Wates (Studi Kasus Pada Jalan Wates Depan Pasar Gamping, Sleman, Yogyakarta)*, Tugas Akhir, Program Studi Teknik Sipil, Universitas Atmajaya Yogyakarta.





LAMPIRAN

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT
 Cuaca : Cerah
 Jalur : 1
 Hari/tanggal : Rabu, 19 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 180 | 74 | 12 |
| 07.15-07.30 | 183 | 75 | 26 |
| 07.30-07.45 | 202 | 93 | 17 |
| 07.45-08.00 | 172 | 90 | 15 |
| 08.00-08.15 | 173 | 80 | 16 |
| 08.15-08.30 | 170 | 84 | 21 |
| 08.30-08.45 | 175 | 73 | 18 |
| 08.45-09.00 | 160 | 72 | 20 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 82 | 32 | 8 |
| 11.15-11.30 | 71 | 55 | 10 |
| 11.30-11.45 | 60 | 66 | 11 |
| 11.45-12.00 | 83 | 63 | 12 |
| 12.00-12.15 | 99 | 64 | 9 |
| 12.15-12.30 | 88 | 52 | 9 |
| 12.30-12.45 | 86 | 61 | 10 |
| 12.45-13.00 | 82 | 67 | 6 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 217 | 98 | 10 |
| 17.15-17.30 | 224 | 83 | 10 |
| 17.30-17.45 | 255 | 94 | 7 |
| 17.45-18.00 | 267 | 109 | 6 |
| 18.00-18.15 | 213 | 79 | 9 |
| 18.15-18.30 | 231 | 84 | 9 |
| 18.30-18.45 | 209 | 78 | 8 |
| 18.45-19.00 | 221 | 82 | 5 |

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 1

Hari/tanggal : Jumat , 21 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 107 | 54 | 6 |
| 07.15-07.30 | 186 | 75 | 20 |
| 07.30-07.45 | 153 | 71 | 21 |
| 07.45-08.00 | 189 | 78 | 16 |
| 08.00-08.15 | 139 | 71 | 18 |
| 08.15-08.30 | 135 | 63 | 18 |
| 08.30-08.45 | 121 | 64 | 16 |
| 08.45-09.00 | 111 | 72 | 10 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 120 | 56 | 13 |
| 11.15-11.30 | 119 | 67 | 17 |
| 11.30-11.45 | 130 | 48 | 15 |
| 11.45-12.00 | 96 | 72 | 7 |
| 12.00-12.15 | 79 | 55 | 9 |
| 12.15-12.30 | 81 | 58 | 8 |
| 12.30-12.45 | 82 | 72 | 10 |
| 12.45-13.00 | 63 | 62 | 12 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 240 | 69 | 12 |
| 17.15-17.30 | 201 | 61 | 11 |
| 17.30-17.45 | 191 | 63 | 9 |
| 17.45-17.00 | 161 | 66 | 8 |
| 18.00-18.15 | 235 | 54 | 6 |
| 18.15-18.30 | 182 | 72 | 7 |
| 18.30-18.45 | 198 | 56 | 7 |
| 18.45-19.00 | 208 | 63 | 9 |

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 1

Hari/tanggal : Sabtu , 22 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 151 | 63 | 13 |
| 07.15-07.30 | 144 | 54 | 9 |
| 07.30-07.45 | 131 | 65 | 9 |
| 07.45-08.00 | 152 | 53 | 11 |
| 08.00-08.15 | 144 | 71 | 6 |
| 08.15-08.30 | 162 | 75 | 5 |
| 08.30-08.45 | 163 | 87 | 9 |
| 08.45-09.00 | 145 | 82 | 8 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 82 | 61 | 6 |
| 11.15-11.30 | 78 | 53 | 6 |
| 11.30-11.45 | 63 | 52 | 5 |
| 11.45-12.00 | 69 | 41 | 4 |
| 12.00-12.15 | 71 | 46 | 3 |
| 12.15-12.30 | 89 | 48 | 8 |
| 12.30-12.45 | 88 | 36 | 12 |
| 12.45-13.00 | 73 | 39 | 9 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 215 | 79 | 11 |
| 17.15-17.30 | 134 | 78 | 3 |
| 17.30-17.45 | 245 | 96 | 4 |
| 17.45-18.00 | 241 | 81 | 7 |
| 18.00-18.15 | 259 | 86 | 8 |
| 18.15-18.30 | 312 | 98 | 3 |
| 18.30-18.45 | 239 | 89 | 5 |
| 18.45-19.00 | 289 | 97 | 9 |

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT
 Cuaca : Cerah
 Jalur : 2
 Hari/tanggal : Rabu, 19 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 141 | 49 | 4 |
| 07.15-07.30 | 118 | 72 | 12 |
| 07.30-07.45 | 113 | 60 | 13 |
| 07.45-08.00 | 103 | 73 | 9 |
| 08.00-08.15 | 114 | 51 | 18 |
| 08.15-08.30 | 98 | 55 | 6 |
| 08.30-08.45 | 102 | 65 | 4 |
| 08.45-09.00 | 97 | 59 | 5 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 62 | 42 | 7 |
| 11.15-11.30 | 70 | 52 | 17 |
| 11.30-11.45 | 88 | 53 | 6 |
| 11.45-12.00 | 121 | 38 | 7 |
| 12.00-12.15 | 131 | 35 | 22 |
| 12.15-12.30 | 111 | 36 | 5 |
| 12.30-12.45 | 79 | 39 | 7 |
| 12.45-13.00 | 80 | 46 | 9 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 158 | 70 | 15 |
| 17.15-17.30 | 102 | 65 | 12 |
| 17.30-17.45 | 136 | 78 | 13 |
| 17.45-17.00 | 202 | 93 | 8 |
| 18.00-18.15 | 192 | 64 | 8 |
| 18.15-18.30 | 172 | 65 | 11 |
| 18.30-18.45 | 142 | 77 | 10 |
| 18.45-19.00 | 136 | 73 | 8 |

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 2

Hari/tanggal : Jumat , 21 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 132 | 49 | 4 |
| 07.15-07.30 | 109 | 51 | 6 |
| 07.30-07.45 | 121 | 66 | 6 |
| 07.45-08.00 | 102 | 73 | 12 |
| 08.00-08.15 | 82 | 59 | 9 |
| 08.15-08.30 | 79 | 46 | 3 |
| 08.30-08.45 | 121 | 55 | 5 |
| 08.45-09.00 | 120 | 38 | 9 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 55 | 37 | 13 |
| 11.15-11.30 | 67 | 34 | 16 |
| 11.30-11.45 | 88 | 36 | 6 |
| 11.45-12.00 | 77 | 39 | 5 |
| 12.00-12.15 | 73 | 32 | 4 |
| 12.15-12.30 | 85 | 35 | 12 |
| 12.30-12.45 | 98 | 30 | 6 |
| 12.45-13.00 | 88 | 36 | 5 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 162 | 70 | 15 |
| 17.15-17.30 | 132 | 65 | 12 |
| 17.30-17.45 | 145 | 78 | 13 |
| 17.45-17.00 | 202 | 93 | 8 |
| 18.00-18.15 | 195 | 68 | 7 |
| 18.15-18.30 | 167 | 73 | 10 |
| 18.30-18.45 | 134 | 65 | 5 |
| 18.45-19.00 | 165 | 66 | 4 |

SURVEI VOLUME LALU LINTAS

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 2

Hari/tanggal : Sabtu, 22 April 2017

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 07.00-07.15 | 102 | 52 | 5 |
| 07.15-07.30 | 113 | 61 | 6 |
| 07.30-07.45 | 146 | 32 | 8 |
| 07.45-08.00 | 125 | 36 | 11 |
| 08.00-08.15 | 135 | 59 | 13 |
| 08.15-08.30 | 136 | 46 | 10 |
| 08.30-08.45 | 147 | 41 | 9 |
| 08.45-09.00 | 112 | 31 | 7 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 11.00-11.15 | 87 | 69 | 3 |
| 11.15-11.30 | 56 | 55 | 4 |
| 11.30-11.45 | 98 | 51 | 6 |
| 11.45-12.00 | 77 | 48 | 12 |
| 12.00-12.15 | 88 | 43 | 7 |
| 12.15-12.30 | 82 | 46 | 3 |
| 12.30-12.45 | 70 | 34 | 5 |
| 12.45-13.00 | 76 | 51 | 3 |

| Waktu (WITA) | Sepeda Motor (MC) | Kendaraan Ringan (LV) | Kendaraan Berat (HV) |
|--------------|-------------------|-----------------------|----------------------|
| 17.00-17.15 | 186 | 67 | 6 |
| 17.15-17.30 | 156 | 70 | 11 |
| 17.30-17.45 | 157 | 88 | 6 |
| 17.45-17.00 | 189 | 89 | 7 |
| 18.00-18.15 | 156 | 103 | 12 |
| 18.15-18.30 | 164 | 93 | 5 |
| 18.30-18.45 | 153 | 88 | 5 |
| 18.45-19.00 | 184 | 102 | 8 |

SURVEI KECEPATAN TEMPUH KENDARAAN

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Hari/tanggal : Rabu, 19 April 2017

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|--------------|--------------|------------------|--------------|-----------------|--------------|
| | 07.00-08.00 | 4.66 | 38.63 | 5.72 | 31.47 | 3.71 |
| | 5.76 | 31.25 | 4.38 | 41.10 | 7 | 25.71 |
| | 5.38 | 33.46 | 6.28 | 28.66 | 8.5 | 21.18 |
| | 6.64 | 27.11 | 6.99 | 25.75 | 5.74 | 31.36 |
| | 5.2 | 34.62 | 9.44 | 19.07 | 8.84 | 20.36 |
| | 5.99 | 30.05 | 5.1 | 35.29 | 10.57 | 17.03 |
| | 5.22 | 34.48 | 6.78 | 26.55 | 8.86 | 20.32 |
| | 4.54 | 39.65 | 6.73 | 26.75 | 4.65 | 38.71 |
| | 4.82 | 37.34 | 6.78 | 26.55 | | |
| | 4.65 | 38.71 | 3.5 | 51.43 | | |
| | 6.06 | 29.70 | | | | |
| Rata-rata | 5.36 | 34.09 | 6.17 | 31.26 | 7.23 | 27.90 |
| 07.15-07.30 | 3.88 | 46.39 | 5.5 | 32.73 | 5.78 | 31.14 |
| | 5.65 | 31.86 | 5.56 | 32.37 | 7.77 | 23.17 |
| | 4.33 | 41.57 | 6.56 | 27.44 | 10.34 | 17.41 |
| | 5.16 | 34.88 | 7.28 | 24.73 | 11.33 | 15.89 |
| | 6.08 | 29.61 | 8.9 | 20.22 | 12.16 | 14.80 |
| | 4.32 | 41.67 | 12.44 | 14.47 | 16.98 | 10.60 |
| | 5.49 | 32.79 | 6.6 | 27.27 | 13.53 | 13.30 |
| | 6.56 | 27.44 | 11.1 | 16.22 | 11 | 16.36 |
| | 8.05 | 22.36 | 5.45 | 33.03 | 11.12 | 16.19 |
| | 4.37 | 41.19 | 5.28 | 34.09 | 5.15 | 34.95 |
| | 7.42 | 24.26 | 6.54 | 27.5229 | 13.99 | 12.87 |
| | 5.28 | 34.09 | 6.38 | 28.2132 | 6.38 | 28.21 |
| Rata-rata | 5.55 | 34.01 | 7.30 | 26.53 | 10.46 | 19.57 |

| | |
|-----------------------------------|-----|
| Lampiran 2 | 120 |
| Survei Kecepatan Tempuh Kendaraan | |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 07.30-07.45 | 6.45 | 27.91 | 5.45 | 33.03 | 6.39 | 28.17 |
| | 4.38 | 41.10 | 6.6 | 27.27 | 5.83 | 30.87 |
| | 5.49 | 32.79 | 6.22 | 28.94 | 10.16 | 17.71 |
| | 5.63 | 31.97 | 8.43 | 21.35 | 10 | 18 |
| | 8.39 | 21.45 | 8.94 | 20.13 | 12.18 | 14.77 |
| | 8.1 | 22.22 | 7.39 | 24.36 | 7.66 | 23.49 |
| | 4.1 | 43.90 | 7.61 | 23.65 | 8.22 | 21.89 |
| | 5.34 | 33.71 | 6.31 | 28.53 | 8.64 | 20.83 |
| | 3.9 | 46.15 | 3.84 | 46.88 | 7.56 | 23.80 |
| | 5.66 | 31.80 | 9.65 | 18.65 | | |
| | 4.88 | 36.89 | 6.7 | 26.87 | | |
| | 4.72 | 38.14 | 6.44 | 27.95 | | |
| | | | | | | |
| Rata-rata | 5.59 | 34.00 | 6.97 | 27.30 | 6.39 | 22.18 |
| 07.45-08.00 | 4.4 | 40.91 | 8.34 | 21.58 | 7.39 | 24.36 |
| | 8.1 | 22.22 | 9.16 | 19.65 | 7.21 | 24.97 |
| | 4.6 | 39.13 | 5.59 | 32.20 | 6.49 | 27.73 |
| | 4.87 | 36.96 | 7.38 | 24.39 | 10.44 | 17.24 |
| | 5.27 | 34.16 | 8.34 | 21.58 | 7.76 | 23.19 |
| | 5.93 | 30.35 | 4.66 | 38.63 | 7.55 | 23.84 |
| | 6.21 | 28.99 | 8.37 | 21.51 | 7.55 | 23.84 |
| | 6.27 | 28.71 | 8.46 | 21.28 | 6.23 | 28.89 |
| | 5.12 | 35.16 | 10.44 | 17.24 | 11.73 | 15.34 |
| | 5.71 | 31.52 | 7.22 | 24.93 | 10.93 | 16.46 |
| | 7.32 | 24.59 | 6.61 | 27.231 5 | | |
| 6.01 | 29.95 | 9.51 | 18.927 4 | | | |
| Rata-rata | 5.82 | 31.89 | 7.84 | 24.10 | 8.33 | 22.59 |

| | |
|-----------------------------------|-----|
| Lampiran 2 | 121 |
| Survei Kecepatan Tempuh Kendaraan | |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 08.00-08.15 | 7.34 | 24.52 | 10.3 | 17.48 | 11.05 | 16.29 |
| | 6.83 | 26.35 | 6.22 | 28.94 | 9.28 | 19.40 |
| | 6.95 | 25.90 | 7.22 | 24.93 | 12.78 | 14.08 |
| | 5.15 | 34.95 | 9.27 | 19.42 | 10.22 | 17.61 |
| | 4.9 | 36.73 | 10.44 | 17.24 | 9.12 | 19.74 |
| | 4.89 | 36.81 | 6.87 | 26.20 | 9.55 | 18.85 |
| | 5.99 | 30.05 | 6.49 | 27.73 | 8.1 | 22.22 |
| | 3.82 | 47.12 | 5.99 | 30.05 | 8.49 | 21.20 |
| | 5.45 | 33.03 | 5.21 | 34.55 | | |
| | 7.56 | 23.81 | 5.27 | 34.16 | | |
| | 5.82 | 30.93 | 9.52 | 18.907 6 | | |
| | 6.85 | 26.28 | 6.11 | 29.459 9 | | |
| Rata-rata | 5.96 | 31.37 | 7.41 | 25.76 | 9.82 | 18.67 |
| 08.15-08.30 | 5.77 | 31.20 | 7.27 | 24.76 | 8.46 | 21.28 |
| | 5.02 | 35.86 | 5.82 | 30.93 | 9.73 | 18.50 |
| | 4 | 45.00 | 5.54 | 32.49 | 8.29 | 21.71 |
| | 3.15 | 57.14 | 6.1 | 29.51 | 8 | 22.50 |
| | 4.93 | 36.51 | 4.6 | 39.13 | 10.45 | 17.22 |
| | 6.43 | 27.99 | 5.46 | 32.97 | 8.16 | 22.06 |
| | 4.6 | 39.13 | 4.79 | 37.58 | 6.88 | 26.16 |
| | 3.77 | 47.75 | 5 | 36.00 | 10.94 | 16.45 |
| | 4.57 | 39.39 | 8.1 | 22.22 | 8.78 | 20.50 |
| | 5.04 | 35.71 | 5.6 | 32.142 9 | 8.49 | 21.20 |
| | 4.43 | 40.63 | 6.77 | 26.587 9 | | |
| | 5.21 | 34.55 | | | | |
| Rata-rata | 4.74 | 39.24 | 5.91 | 31.30 | 8.82 | 20.76 |

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|------------------|-------------|--------------|-------------|--------------|--------------|--------------|
| 08.30-08.45 | 7.38 | 24.39 | 9.64 | 18.67 | 12.73 | 14.14 |
| | 5.34 | 33.71 | 8.99 | 20.02 | 12.62 | 14.26 |
| | 5.66 | 31.80 | 5.67 | 31.75 | 12.84 | 14.02 |
| | 6.45 | 27.91 | 3.3 | 54.55 | 11.93 | 15.09 |
| | 5.7 | 31.58 | 5.6 | 32.14 | 11.62 | 15.49 |
| | 7.65 | 23.53 | 5.5 | 32.73 | | |
| | 4.55 | 39.56 | 6.61 | 27.23 | | |
| | 6.66 | 27.03 | 4.44 | 40.54 | | |
| | 3.89 | 46.27 | 4.45 | 40.45 | | |
| | 6.77 | 26.59 | 6 | 30.00 | | |
| | 5.78 | 31.14 | | | | |
| | 6.09 | 29.56 | | | | |
| Rata-rata | 5.99 | 31.09 | 6.02 | 32.81 | 12.35 | 14.60 |
| 08.45-09.00 | 4.3 | 41.86 | 6.49 | 27.73 | 12.66 | 8.12 |
| | 6.69 | 26.91 | 7.38 | 24.39 | 12.98 | 10.76 |
| | 11 | 16.36 | 6.07 | 29.65 | 11.87 | 7.55 |
| | 8 | 22.50 | 9.67 | 18.61 | 12.56 | 9.44 |
| | 4.44 | 40.54 | 6.33 | 28.44 | 12.89 | 8.10 |
| | 3.99 | 45.11 | 7.12 | 25.28 | 12.93 | 13.92 |
| | 5.56 | 32.37 | 6.34 | 28.39 | | |
| | 6.67 | 26.99 | 4.39 | 41.00 | | |
| | 5.88 | 30.61 | 6.12 | 29.41 | | |
| | 4.71 | 38.22 | 7.21 | 24.97 | | |
| | 5.62 | 32.03 | | | | |
| | 4.73 | 38.05 | | | | |
| Rata-rata | 5.97 | 32.63 | 6.71 | 27.79 | 12.65 | 9.65 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 11.00-11.15 | 3.33 | 54.05 | 4.12 | 43.69 | 5.28 | 34.09 |
| | 5.76 | 31.25 | 5.04 | 35.71 | 6.63 | 27.15 |
| | 3.22 | 55.90 | 5.09 | 35.36 | 4.6 | 39.13 |
| | 3.72 | 48.39 | 4.04 | 44.55 | 6.23 | 28.89 |
| | 3.23 | 55.73 | 4.95 | 36.36 | 6.45 | 27.91 |
| | 3.37 | 53.41 | 4.34 | 41.47 | 7.11 | 25.32 |
| | 2.66 | 67.67 | 3.27 | 55.05 | | |
| | 5.23 | 34.42 | 4.65 | 38.71 | | |
| | 4.72 | 38.14 | 4.84 | 37.19 | | |
| | 4.44 | 40.54 | 4.23 | 42.55 | | |
| | 3.67 | 49.05 | 4.33 | 41.57 | | |
| | 3.25 | 55.38 | | | | |
| | 3.24 | 55.56 | | | | |
| | 2.87 | 62.72 | | | | |
| Rata-rata | 3.77 | 50.16 | 4.45 | 41.11 | 6.05 | 30.41 |
| 11.15-11.30 | 4.88 | 36.89 | 5.48 | 32.85 | 8.23 | 21.87 |
| | 3.54 | 50.85 | 4.72 | 38.14 | 7.65 | 23.53 |
| | 4.65 | 38.71 | 4.03 | 44.67 | 6.39 | 28.17 |
| | 3.45 | 52.17 | 4.98 | 36.14 | 5.67 | 31.75 |
| | 4.56 | 39.47 | 3.67 | 49.05 | 6.34 | 28.39 |
| | 3.82 | 47.12 | 5.59 | 32.20 | 7.37 | 24.42 |
| | 4.88 | 36.89 | 4.78 | 37.66 | | |
| | 4.23 | 42.55 | 5.34 | 33.71 | | |
| | 4.28 | 42.06 | 4.99 | 36.07 | | |
| | 4.80 | 37.50 | 5.36 | 33.58 | | |
| | 5.34 | 33.71 | | | | |
| 3.59 | 50.14 | | | | | |
| Rata-rata | 4.34 | 42.34 | 4.89 | 37.41 | 6.94 | 26.36 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 11.30-11.45 | 6.46 | 27.86 | 5.04 | 35.71 | 7.12 | 25.28 |
| | 5.87 | 30.66 | 5.76 | 31.25 | 6.23 | 28.89 |
| | 4.36 | 41.28 | 4.59 | 39.22 | | |
| | 4.34 | 41.47 | 6.43 | 27.99 | | |
| | 5.34 | 33.71 | 6.28 | 28.66 | | |
| | 4.28 | 42.06 | 5.76 | 31.25 | | |
| | 3.78 | 47.62 | 5.34 | 33.71 | | |
| | 4.21 | 42.76 | 5.34 | 33.71 | | |
| | 5.37 | 33.52 | 4.23 | 42.55 | | |
| | 5.74 | 31.36 | 5.32 | 33.83 | | |
| | 4.85 | 37.11 | | | | |
| | 5.48 | 32.85 | | | | |
| | 5.56 | 32.37 | | | | |
| Rata-rata | 5.05 | 36.51 | 5.41 | 33.79 | 6.68 | 27.09 |
| 11.45-12.00 | 5.67 | 31.75 | 7.34 | 24.52 | 8.34 | 21.58 |
| | 6.23 | 28.89 | 4.35 | 41.38 | 6.75 | 26.67 |
| | 5.36 | 33.58 | 5.55 | 32.43 | 7.35 | 24.49 |
| | 7.23 | 24.90 | 5.45 | 33.03 | | |
| | 5.67 | 31.75 | 6.51 | 27.65 | | |
| | 6.87 | 26.20 | 6.23 | 28.89 | | |
| | 4.36 | 41.28 | 5.45 | 33.03 | | |
| | 7.23 | 24.90 | 5.23 | 34.42 | | |
| | 6.23 | 28.89 | 5.34 | 33.71 | | |
| | 5.23 | 34.42 | 5.56 | 32.37 | | |
| | 3.34 | 53.89 | | | | |
| | 4.36 | 41.28 | | | | |
| Rata-rata | 5.65 | 33.48 | 5.70 | 32.14 | 7.48 | 24.25 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 12.00-12.15 | 7.56 | 23.81 | 6.45 | 27.91 | 8.34 | 21.58 |
| | 6.45 | 27.91 | 6.45 | 27.91 | 6.45 | 27.91 |
| | 8.76 | 20.55 | 5.45 | 33.03 | | |
| | 4.37 | 41.19 | 6.45 | 27.91 | | |
| | 6.53 | 27.57 | 7.31 | 24.62 | | |
| | 6.45 | 27.91 | 4.37 | 41.19 | | |
| | 5.56 | 32.37 | 4.73 | 38.05 | | |
| | 6.34 | 28.39 | 5.65 | 31.86 | | |
| | 4.34 | 41.47 | 6.84 | 26.32 | | |
| | 4.35 | 41.38 | 6.45 | 27.91 | | |
| | 5.44 | 33.09 | 5.34 | 33.71 | | |
| | 5.39 | 33.40 | | | | |
| | 4.91 | 36.66 | | | | |
| Rata-rata | 5.88 | 32.66 | 5.95 | 30.95 | 7.40 | 24.74 |
| 12.15-12.30 | 4.34 | 41.47 | 5.64 | 31.91 | 6.09 | 29.56 |
| | 5.55 | 32.43 | 6.53 | 27.57 | 8.76 | 20.55 |
| | 5.63 | 31.97 | 5.45 | 33.03 | 5.67 | 31.75 |
| | 4.45 | 40.45 | 5.46 | 32.97 | 5.40 | 33.33 |
| | 4.62 | 38.96 | 5.74 | 31.36 | 6.78 | 26.55 |
| | 4.71 | 38.22 | 4.04 | 44.55 | 4.07 | 44.23 |
| | 4.73 | 38.05 | 5.04 | 35.71 | 11.22 | 16.04 |
| | 5.06 | 35.57 | 5.45 | 33.03 | | |
| | 4.65 | 38.71 | 5.98 | 30.10 | | |
| | 4.56 | 39.47 | 6.07 | 29.65 | | |
| | 5.46 | 32.97 | | | | |
| 5.02 | 35.86 | | | | | |
| Rata-rata | 4.90 | 37.01 | 5.54 | 32.99 | 6.86 | 28.86 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 12.30-12.45 | 3.89 | 46.27 | 4.50 | 40.00 | 6.04 | 29.80 |
| | 4.56 | 39.47 | 6.34 | 28.39 | 5.34 | 33.71 |
| | 6.04 | 29.80 | 10.53 | 17.09 | 6.04 | 29.80 |
| | 3.48 | 51.72 | 5.45 | 33.03 | 5.04 | 35.71 |
| | 4.04 | 44.55 | 6.34 | 28.39 | 6.70 | 26.87 |
| | 3.02 | 59.60 | 6.12 | 29.41 | | |
| | 4.05 | 44.44 | 4.34 | 41.47 | | |
| | 6.03 | 29.85 | 4.24 | 42.45 | | |
| | 4.03 | 44.67 | 5.87 | 30.66 | | |
| | 4.40 | 40.91 | 3.67 | 49.05 | | |
| | 5.87 | 30.66 | 4.95 | 36.36 | | |
| | 4.90 | 36.73 | | | | |
| 7.10 | 25.35 | | | | | |
| Rata-rata | 4.72 | 40.31 | 5.67 | 34.21 | 5.83 | 31.18 |
| 12.45-13.00 | 3.45 | 52.17 | 5.50 | 32.73 | 6.81 | 26.43 |
| | 3.56 | 50.56 | 4.50 | 40.00 | 6.04 | 29.80 |
| | 4.02 | 44.78 | 4.67 | 38.54 | | |
| | 4.94 | 36.44 | 5.65 | 31.86 | | |
| | 5.94 | 30.30 | 5.34 | 33.71 | | |
| | 5.02 | 35.86 | 3.20 | 56.25 | | |
| | 4.45 | 40.45 | 4.50 | 40.00 | | |
| | 4.30 | 41.86 | 5.42 | 33.21 | | |
| | 4.33 | 41.53 | 4.43 | 40.63 | | |
| | 3.75 | 48.00 | 5.21 | 34.55 | | |
| | 3.65 | 49.32 | | | | |
| | 4.98 | 36.14 | | | | |
| Rata-rata | 4.37 | 42.28 | 4.84 | 38.15 | 6.43 | 28.12 |

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|--------------|--------------|------------------|--------------|-----------------|--------------|
| | 17.00-17.15 | 5.21 | 34.55 | 6.82 | 26.39 | 7.5 |
| | 4.6 | 39.13 | 6.27 | 28.71 | 7.28 | 24.73 |
| | 4.32 | 41.67 | 5.93 | 30.35 | 7.04 | 25.57 |
| | 3.71 | 48.52 | 5.31 | 33.90 | 5.62 | 32.03 |
| | 3.89 | 46.27 | 5.93 | 30.35 | 6.54 | 27.52 |
| | 4.43 | 40.63 | 6.9 | 26.09 | 5.57 | 32.32 |
| | 4.72 | 38.14 | 5.24 | 34.35 | 7.37 | 24.42 |
| | 4.88 | 36.89 | 3.89 | 46.27 | | |
| | 5.22 | 34.48 | 6.21 | 28.99 | | |
| | 3.77 | 47.75 | 4.77 | 37.74 | | |
| | 4.65 | 38.71 | 5.03 | 35.79 | | |
| | 3.32 | 54.22 | 5.05 | 35.64 | | |
| | 5.01 | 35.93 | | | | |
| | 4.23 | 42.55 | | | | |
| Rata-rata | 4.43 | 41.39 | 5.61 | 32.88 | 6.70 | 27.23 |
| 17.15-17.30 | 5.73 | 31.41 | 5.37 | 33.52 | 6.39 | 28.17 |
| | 5.38 | 33.46 | 6.11 | 29.46 | 6.21 | 28.99 |
| | 4.65 | 38.71 | 5.62 | 32.03 | 7.34 | 24.52 |
| | 4.16 | 43.27 | 4.62 | 38.96 | 6.32 | 28.48 |
| | 3.61 | 49.86 | 6.15 | 29.27 | 8.72 | 20.64 |
| | 4.71 | 38.22 | 5.65 | 31.86 | 4.98 | 36.14 |
| | 4.65 | 38.71 | 4.45 | 40.45 | 6.04 | 29.80 |
| | 2.92 | 61.64 | 5.76 | 31.25 | 6.59 | 27.31 |
| | 4.83 | 37.27 | 6.10 | 29.51 | 6.11 | 29.46 |
| | 5.22 | 34.48 | 6.28 | 28.66 | 8.41 | 21.40 |
| | 3.55 | 50.70 | 5.70 | 31.58 | | |
| | 3.85 | 46.75 | 6.09 | 29.56 | | |
| Rata-rata | 4.44 | 42.04 | 5.66 | 32.18 | 6.71 | 27.49 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 17.30-17.45 | 3.38 | 53.25 | 6.43 | 27.99 | 7.39 | 24.36 |
| | 5.11 | 35.23 | 6.13 | 29.36 | 4.65 | 38.71 |
| | 4.94 | 36.44 | 5.66 | 31.80 | 7.31 | 24.62 |
| | 5.20 | 34.62 | 5.10 | 35.29 | 5.21 | 34.55 |
| | 5.37 | 33.52 | 5.38 | 33.46 | 6.56 | 27.44 |
| | 5.32 | 33.83 | 5.72 | 31.47 | | |
| | 4.45 | 40.45 | 6.02 | 29.90 | | |
| | 5.04 | 35.71 | 6.23 | 28.89 | | |
| | 4.42 | 40.72 | 5.94 | 30.30 | | |
| | 4.84 | 37.19 | 5.32 | 33.83 | | |
| | 3.83 | 47.00 | 5.06 | 35.57 | | |
| | 4.27 | 42.15 | 4.66 | 38.63 | | |
| | 5.03 | 35.79 | | | | |
| Rata-rata | 4.71 | 37.72 | 5.64 | 32.21 | 6.22 | 29.94 |
| 17.45-18.00 | 4.27 | 42.15 | 5.21 | 34.55 | 6.09 | 29.56 |
| | 5.20 | 34.62 | 6.16 | 29.22 | 5.61 | 32.09 |
| | 4.32 | 41.67 | 5.78 | 31.14 | 6.20 | 29.03 |
| | 5.10 | 35.29 | 6.04 | 29.80 | 6.48 | 27.78 |
| | 4.15 | 43.37 | 4.56 | 39.47 | 5.43 | 33.15 |
| | 4.54 | 39.65 | 5.76 | 31.25 | 7.77 | 23.17 |
| | 5.04 | 35.71 | 5.08 | 35.43 | 6.89 | 26.12 |
| | 4.82 | 37.34 | 4.66 | 38.63 | | |
| | 5.13 | 35.09 | 5.60 | 32.14 | | |
| | 5.55 | 32.43 | 6.44 | 27.95 | | |
| | 4.40 | 40.91 | 6.54 | 27.52 | | |
| 3.94 | 45.69 | 5.27 | 34.16 | | | |
| Rata-rata | 4.71 | 38.66 | 5.59 | 32.61 | 6.35 | 28.70 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 18.00-18.15 | 3.33 | 54.05 | 6.20 | 29.03 | 7.09 | 25.39 |
| | 4.67 | 38.54 | 7.11 | 25.32 | 9.12 | 19.74 |
| | 5.81 | 30.98 | 4.68 | 38.46 | 8.23 | 21.87 |
| | 6.12 | 29.41 | 5.29 | 34.03 | 6.87 | 26.20 |
| | 3.89 | 46.27 | 6.76 | 26.63 | 7.33 | 24.56 |
| | 3.91 | 46.04 | 5.45 | 33.03 | | |
| | 4.98 | 36.14 | 5.78 | 31.14 | | |
| | 5.61 | 32.09 | 4.06 | 44.33 | | |
| | 4.31 | 41.76 | 4.32 | 41.67 | | |
| | 6.20 | 29.03 | 5.28 | 34.09 | | |
| | 5.10 | 35.29 | 6.02 | 29.90 | | |
| | 3.67 | 49.05 | | | | |
| | 3.93 | 45.80 | | | | |
| Rata-rata | 4.73 | 38.37 | 5.54 | 33.42 | 7.73 | 23.55 |
| 18.15-18.30 | 7.23 | 24.90 | 5.85 | 30.77 | 7.87 | 22.87 |
| | 5.04 | 35.71 | 6.87 | 26.20 | 6.08 | 29.61 |
| | 4.03 | 44.67 | 3.40 | 52.94 | 7.43 | 24.23 |
| | 5.55 | 32.43 | 9.23 | 19.50 | | |
| | 4.71 | 38.22 | 4.61 | 39.05 | | |
| | 3.49 | 51.58 | 4.56 | 39.47 | | |
| | 3.75 | 48.00 | 5.08 | 35.43 | | |
| | 4.50 | 40.00 | 5.21 | 34.55 | | |
| | 6.04 | 29.80 | 6.30 | 28.57 | | |
| | 5.27 | 34.16 | 6.77 | 26.59 | | |
| | 5.33 | 33.77 | | | | |
| 4.64 | 38.79 | | | | | |
| Rata-rata | 4.97 | 37.67 | 5.79 | 33.31 | 7.13 | 25.57 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 18.30-18.45 | 6.42 | 28.04 | 11.52 | 15.63 | 6.89 | 26.12 |
| | 5.62 | 32.03 | 6.04 | 29.80 | 7.39 | 24.36 |
| | 7.15 | 25.17 | 4.50 | 40.00 | | |
| | 6.78 | 26.55 | 8.65 | 20.81 | | |
| | 5.89 | 30.56 | 3.38 | 53.25 | | |
| | 5.69 | 31.63 | 6.27 | 28.71 | | |
| | 7.12 | 25.28 | 7.77 | 23.17 | | |
| | 4.08 | 44.12 | 7.21 | 24.97 | | |
| | 3.93 | 45.80 | 3.09 | 58.25 | | |
| | 4.22 | 42.65 | 4.36 | 41.28 | | |
| | 5.21 | 34.55 | 4.77 | 37.74 | | |
| | 3.87 | 46.51 | | | | |
| | 5.21 | 34.55 | | | | |
| Rata-rata | 5.48 | 34.42 | 6.14 | 33.96 | 7.14 | 25.24 |
| 18.45-19.00 | 3.23 | 55.73 | 5.12 | 35.16 | 8.12 | 22.17 |
| | 4.16 | 43.27 | 5.76 | 31.25 | 5.21 | 34.55 |
| | 5.29 | 34.03 | 4.78 | 37.66 | | |
| | 5.34 | 33.71 | 5.81 | 30.98 | | |
| | 4.85 | 37.11 | 5.09 | 35.36 | | |
| | 5.31 | 33.90 | 4.72 | 38.14 | | |
| | 4.66 | 38.63 | 4.83 | 37.27 | | |
| | 7.01 | 25.68 | 4.87 | 36.96 | | |
| | 5.40 | 33.33 | 6.23 | 28.89 | | |
| | 4.48 | 40.18 | 5.87 | 30.66 | | |
| | 5.83 | 30.87 | | | | |
| 4.72 | 38.14 | | | | | |
| Rata-rata | 5.02 | 37.05 | 5.31 | 34.23 | 6.67 | 28.36 |

SURVEI KECEPATAN TEMPUH KENDARAAN

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Hari/tanggal : Jumat, 21 April 2017

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|------------------|--------------|------------------|--------------|-----------------|--------------|
| 07.00-08.00 | 4.58 | 39.30 | 4.66 | 38.63 | 5.61 | 32.09 |
| | 4.33 | 41.57 | 6.23 | 28.89 | 7.68 | 23.44 |
| | 5.33 | 33.77 | 4.76 | 37.82 | 5.38 | 33.46 |
| | 3.15 | 57.14 | 4.38 | 41.10 | 6.21 | 28.99 |
| | 2.99 | 60.20 | 4.32 | 41.67 | 5.71 | 31.52 |
| | 4.00 | 45.00 | 5.81 | 30.98 | 6.10 | 29.51 |
| | 4.26 | 42.25 | 4.94 | 36.44 | 7.37 | 24.42 |
| | 3.98 | 45.23 | 5.77 | 31.20 | 6.45 | 27.91 |
| | 3.45 | 52.17 | 5.44 | 33.09 | 5.94 | 30.30 |
| | 4.60 | 39.13 | 4.84 | 37.19 | | |
| | 5.27 | 34.16 | | | | |
| Rata-rata | 4.18 | 44.54 | 5.12 | 35.70 | 6.27 | 29.07 |
| 07.15-07.30 | 3.66 | 49.18 | 5.16 | 34.88 | 4.70 | 38.30 |
| | 3.99 | 45.11 | 5.53 | 32.55 | 6.48 | 27.78 |
| | 3.93 | 45.80 | 5.16 | 34.88 | 6.38 | 28.21 |
| | 3.06 | 58.82 | 4.44 | 40.54 | 4.48 | 40.18 |
| | 3.88 | 46.39 | 4.32 | 41.67 | 5.33 | 33.77 |
| | 3.21 | 56.07 | 4.82 | 37.34 | 4.54 | 39.65 |
| | 4.62 | 38.96 | 5.50 | 32.73 | 4.43 | 40.63 |
| | 3.66 | 49.18 | 4.94 | 36.44 | 5.39 | 33.40 |
| | 3.79 | 47.49 | 5.39 | 33.40 | 5.23 | 34.42 |
| | 3.03 | 59.41 | 3.70 | 48.65 | 5.47 | 32.91 |
| | 3.67 | 49.05 | 3.70 | 48.65 | | |
| | 2.93 | 61.43 | 4.56 | 39.47 | | |
| | Rata-rata | 3.62 | 50.58 | 4.77 | 37.31 | 4.70 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 07.30-07.45 | 3.11 | 57.88 | 4.59 | 39.22 | 5.43 | 33.15 |
| | 3.93 | 45.80 | 4.43 | 40.63 | 5.94 | 30.30 |
| | 3.99 | 45.11 | 4.66 | 38.63 | 6.11 | 29.46 |
| | 3.83 | 47.00 | 3.27 | 55.05 | 4.22 | 42.65 |
| | 3.91 | 46.04 | 4.54 | 39.65 | 5.04 | 35.71 |
| | 4.44 | 40.54 | 4.20 | 42.86 | 6.66 | 27.03 |
| | 4.01 | 44.89 | 4.54 | 39.65 | 5.62 | 32.03 |
| | 3.92 | 45.92 | 4.44 | 40.54 | | |
| | 4.21 | 42.76 | 4.95 | 36.36 | | |
| | 3.71 | 48.52 | 4.54 | 39.65 | | |
| | 4.49 | 40.09 | 5.43 | 33.15 | | |
| | 3.00 | 60.00 | 3.95 | 45.57 | | |
| | 3.57 | 50.42 | | | | |
| | 3.56 | 50.56 | | | | |
| Rata-rata | 3.83 | 47.54 | 4.46 | 40.91 | 5.57 | 32.91 |
| 07.45-08.00 | 3.10 | 58.06 | 4.66 | 38.63 | 4.93 | 36.51 |
| | 2.60 | 69.23 | 3.71 | 48.52 | 5.38 | 33.46 |
| | 3.26 | 55.21 | 4.22 | 42.65 | 6.22 | 28.94 |
| | 2.89 | 62.28 | 5.33 | 33.77 | 6.06 | 29.70 |
| | 3.21 | 56.07 | 5.16 | 34.88 | 5.50 | 32.73 |
| | 3.67 | 49.05 | 4.55 | 39.56 | 6.43 | 27.99 |
| | 3.16 | 56.96 | 4.77 | 37.74 | 6.71 | 26.83 |
| | 3.76 | 47.87 | 4.62 | 38.96 | 5.27 | 34.16 |
| | 4.17 | 43.17 | 3.98 | 45.23 | 5.71 | 31.52 |
| | 3.38 | 53.25 | 5.19 | 34.68 | | |
| | 3.45 | 52.17 | | | | |
| | 3.36 | 53.57 | | | | |
| Rata-rata | 3.33 | 54.74 | 4.62 | 39.46 | 5.80 | 31.32 |

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|-------------|------------------|-------------|--------------|-------------|--------------|-------------|
| 08.00-08.15 | 3.56 | 50.56 | 4.56 | 39.47 | 7.03 | 25.60 |
| | 4.04 | 44.55 | 4.26 | 42.25 | 6.69 | 26.91 |
| | 4.02 | 44.78 | 4.27 | 42.15 | 6.63 | 27.15 |
| | 4.00 | 45.00 | 5.20 | 34.62 | 5.78 | 31.14 |
| | 3.95 | 45.57 | 5.11 | 35.23 | 5.68 | 31.69 |
| | 3.93 | 45.80 | 5.04 | 35.71 | 5.71 | 31.52 |
| | 4.04 | 44.55 | 4.60 | 39.13 | 5.29 | 34.03 |
| | 3.60 | 50.00 | 4.32 | 41.67 | 7.38 | 24.39 |
| | 4.11 | 43.80 | | | 4.42 | 40.72 |
| | 3.82 | 47.12 | | | 4.21 | 42.76 |
| | 3.59 | 50.14 | | | 5.32 | 33.83 |
| | 4.27 | 42.15 | | | 5.04 | 35.71 |
| | Rata-rata | 3.91 | 46.17 | 4.67 | 38.78 | 5.77 |
| 08.15-08.30 | 4.41 | 40.82 | 5.05 | 35.64 | 6.43 | 27.99 |
| | 4.16 | 43.27 | 4.79 | 37.58 | 5.26 | 34.22 |
| | 2.98 | 60.40 | 4.16 | 43.27 | 5.69 | 31.63 |
| | 4.44 | 40.54 | 4.65 | 38.71 | 5.49 | 32.79 |
| | 3.32 | 54.22 | 5.71 | 31.52 | 5.37 | 33.52 |
| | 2.77 | 64.98 | 4.66 | 38.63 | 6.22 | 28.94 |
| | 3.71 | 48.52 | | | 6.77 | 26.59 |
| | 4.65 | 38.71 | | | 6.37 | 28.26 |
| | 3.43 | 52.48 | | | 6.71 | 26.83 |
| | 3.54 | 50.85 | | | | |
| | 3.84 | 46.88 | | | | |
| | 3.88 | 46.39 | | | | |
| | Rata-rata | 3.76 | 49.00 | 4.84 | 37.56 | 6.03 |

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|-------------|------------------|-------------|--------------|-------------|--------------|-------------|
| 08.30-08.45 | 3.20 | 56.25 | 3.21 | 56.07 | 5.67 | 31.75 |
| | 3.04 | 59.21 | 4.56 | 39.47 | 4.55 | 39.56 |
| | 5.06 | 35.57 | 5.60 | 32.14 | 5.60 | 32.14 |
| | 4.90 | 36.73 | 6.21 | 28.99 | 6.30 | 28.57 |
| | 4.67 | 38.54 | 4.82 | 37.34 | 12.89 | 13.96 |
| | 3.13 | 57.51 | 6.31 | 28.53 | | |
| | 4.44 | 40.54 | 5.32 | 33.83 | | |
| | 3.05 | 59.02 | 4.03 | 44.67 | | |
| | 3.24 | 55.56 | 4.72 | 38.14 | | |
| | 2.98 | 60.40 | 4.54 | 39.65 | | |
| | 3.87 | 46.51 | | | | |
| | 3.19 | 56.43 | | | | |
| | Rata-rata | 3.73 | 50.19 | 4.93 | 37.88 | 7.00 |
| 08.45-09.00 | 3.20 | 56.25 | 3.21 | 56.07 | 5.67 | 31.75 |
| | 3.04 | 59.21 | 4.56 | 39.47 | 4.55 | 39.56 |
| | 5.06 | 35.57 | 5.60 | 32.14 | 5.60 | 32.14 |
| | 4.32 | 41.67 | 6.21 | 28.99 | | |
| | 4.67 | 38.54 | 4.82 | 37.34 | | |
| | 3.13 | 57.51 | 6.31 | 28.53 | | |
| | 2.07 | 86.96 | 3.24 | 55.56 | | |
| | 3.05 | 59.02 | 4.03 | 44.67 | | |
| | 3.24 | 55.56 | 4.72 | 38.14 | | |
| | 2.98 | 60.40 | 4.54 | 39.65 | | |
| | 3.87 | 46.51 | | | | |
| | 3.19 | 56.43 | | | | |
| | Rata-rata | 3.49 | 54.47 | 4.72 | 40.06 | 5.27 |

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|------------------|--------------|------------------|--------------|-----------------|--------------|
| 11.00-11.15 | 3.39 | 53.10 | 4.70 | 38.30 | 5.26 | 34.22 |
| | 3.42 | 52.63 | 4.31 | 41.76 | 5.55 | 32.43 |
| | 3.28 | 54.88 | 4.26 | 42.25 | 5.61 | 32.09 |
| | 3.37 | 53.41 | 3.92 | 45.92 | 5.21 | 34.55 |
| | 3.72 | 48.39 | 4.54 | 39.65 | 7.70 | 23.38 |
| | 3.60 | 50.00 | 4.49 | 40.09 | 5.66 | 31.80 |
| | 4.04 | 44.55 | 4.70 | 38.30 | 5.51 | 32.67 |
| | 3.87 | 46.51 | 4.55 | 39.56 | | |
| | 4.40 | 40.91 | 5.39 | 33.40 | | |
| | 3.98 | 45.23 | 4.72 | 38.14 | | |
| | 4.71 | 38.22 | 5.55 | 32.43 | | |
| | 3.38 | 53.25 | | | | |
| | 3.78 | 47.62 | | | | |
| 3.23 | 55.73 | | | | | |
| Rata-rata | 3.73 | 48.89 | 4.65 | 39.07 | 5.79 | 31.59 |
| 11.15-11.30 | 4.43 | 40.63 | 4.81 | 37.42 | 5.28 | 34.09 |
| | 3.88 | 46.39 | 5.04 | 35.71 | 6.62 | 27.19 |
| | 2.76 | 65.22 | 5.09 | 35.36 | 4.60 | 39.13 |
| | 3.72 | 48.39 | 5.61 | 32.09 | 4.99 | 36.07 |
| | 2.65 | 67.92 | 4.95 | 36.36 | 6.45 | 27.91 |
| | 3.37 | 53.41 | 4.82 | 37.34 | 5.24 | 34.35 |
| | 4.39 | 41.00 | 4.94 | 36.44 | 7.17 | 25.10 |
| | 3.82 | 47.12 | 5.54 | 32.49 | 6.65 | 27.07 |
| | 4.72 | 38.14 | 4.84 | 37.19 | 5.98 | 30.10 |
| | 3.66 | 49.18 | 4.54 | 39.65 | 6.99 | 25.75 |
| | 3.89 | 46.27 | 4.33 | 41.57 | | |
| | 4.60 | 39.13 | | | | |
| | Rata-rata | 3.82 | 48.57 | 4.96 | 36.51 | 6.00 |

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|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| 11.30-11.45 | 4.11 | 43.80 | 4.26 | 42.25 | 5.65 | 31.86 |
| | 0.26 | 692.31 | 4.49 | 40.09 | 5.90 | 30.51 |
| | 3.93 | 45.80 | 5.48 | 32.85 | 5.37 | 33.52 |
| | 4.16 | 43.27 | 4.15 | 43.37 | 5.60 | 32.14 |
| | 3.59 | 50.14 | 4.60 | 39.13 | 4.21 | 42.76 |
| | 3.87 | 46.51 | 4.16 | 43.27 | 4.05 | 44.44 |
| | 3.26 | 55.21 | 4.15 | 43.37 | 6.21 | 28.99 |
| | 4.88 | 36.89 | 4.07 | 44.23 | 6.27 | 28.71 |
| | 3.82 | 47.12 | | | 5.21 | 34.55 |
| | 3.07 | 58.63 | | | 5.04 | 35.71 |
| | 3.55 | 50.70 | | | 6.27 | 28.71 |
| | 3.88 | 46.39 | | | 6.33 | 28.44 |
| | 4.23 | 42.55 | | | | |
| | Rata-rata | 3.59 | 96.87 | 4.42 | 41.07 | 5.51 |
| 11.45-12.00 | 3.33 | 54.05 | 4.09 | 44.01 | 4.31 | 41.76 |
| | 3.27 | 55.05 | 4.60 | 39.13 | 5.49 | 32.79 |
| | 3.26 | 55.21 | 4.11 | 43.80 | 4.33 | 41.57 |
| | 4.17 | 43.17 | 3.45 | 52.17 | 5.21 | 34.55 |
| | 3.71 | 48.52 | 4.26 | 42.25 | | |
| | 3.03 | 59.41 | 3.79 | 47.49 | | |
| | 3.15 | 57.14 | 5.04 | 35.71 | | |
| | 3.26 | 55.21 | | | | |
| | 2.98 | 60.40 | | | | |
| | 3.12 | 57.69 | | | | |
| | | | | | | |
| Rata-rata | 3.33 | 54.59 | 4.19 | 43.51 | 4.84 | 37.67 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 12.00-12.15 | 3.33 | 54.05 | 4.09 | 44.01 | 4.31 | 41.76 |
| | 3.27 | 55.05 | 4.89 | 36.81 | 6.78 | 26.55 |
| | 3.26 | 55.21 | 4.11 | 43.80 | 4.33 | 41.57 |
| | 4.17 | 43.17 | 3.45 | 52.17 | 5.21 | 34.55 |
| | 3.71 | 48.52 | 4.26 | 42.25 | | |
| | 3.59 | 50.14 | 3.79 | 47.49 | | |
| | 3.15 | 57.14 | 5.04 | 35.71 | | |
| | 3.26 | 55.21 | | | | |
| | 4.36 | 41.28 | | | | |
| | 3.12 | 57.69 | | | | |
| | | | | | | |
| | | | | | | |
| Rata-rata | 3.52 | 51.49 | 4.23 | 43.18 | 5.16 | 36.11 |
| 12.15-12.30 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.78 | 26.55 |
| | 2.76 | 65.22 | 5.48 | 32.85 | 5.60 | 32.14 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 5.21 | 34.55 |
| | 2.65 | 67.92 | 4.60 | 39.13 | | |
| | 3.37 | 53.41 | 4.16 | 43.27 | | |
| | 4.39 | 41.00 | 4.15 | 43.37 | | |
| | 3.82 | 47.12 | 4.07 | 44.23 | | |
| | 4.72 | 38.14 | | | | |
| | 5.67 | 31.75 | | | | |
| | 3.89 | 46.27 | | | | |
| | 4.60 | 39.13 | | | | |
| Rata-rata | 3.99 | 47.11 | 4.42 | 41.07 | 5.48 | 33.75 |

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|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| 12.30-12.45 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.78 | 26.55 |
| | 2.76 | 65.22 | 5.48 | 32.85 | 4.32 | 41.67 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 5.21 | 34.55 |
| | 2.65 | 67.92 | 5.87 | 30.66 | | |
| | 3.37 | 53.41 | 4.16 | 43.27 | | |
| | 4.39 | 41.00 | 4.15 | 43.37 | | |
| | 3.82 | 47.12 | 4.07 | 44.23 | | |
| | 4.72 | 38.14 | | | | |
| | 5.67 | 31.75 | | | | |
| | 3.89 | 46.27 | | | | |
| | 4.60 | 39.13 | | | | |
| | 5.80 | 31.03 | | | | |
| Rata-rata | 4.13 | 45.88 | 4.58 | 40.01 | 5.16 | 36.13 |
| 12.45-13.00 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.78 | 26.55 |
| | 2.76 | 65.22 | 5.48 | 32.85 | 4.32 | 41.67 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 5.21 | 34.55 |
| | 2.65 | 67.92 | 7.90 | 22.78 | 12.86 | 14.00 |
| | 3.37 | 53.41 | 4.16 | 43.27 | 11.98 | 15.03 |
| | 4.39 | 41.00 | 4.15 | 43.37 | 11.76 | 15.31 |
| | 3.82 | 47.12 | 4.07 | 44.23 | 12.08 | 14.90 |
| | 4.72 | 38.14 | | | 11.24 | 16.01 |
| | 5.67 | 31.75 | | | | |
| | 3.89 | 46.27 | | | | |
| | 4.60 | 39.13 | | | | |
| | Rata-rata | 3.99 | 47.11 | 4.83 | 39.03 | 8.95 |

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|------------------|--------------|------------------|--------------|-----------------|--------------|
| 17.00-17.15 | 5.21 | 34.55 | 6.82 | 26.39 | 7.5 | 24.00 |
| | 4.6 | 39.13 | 6.27 | 28.71 | 7.28 | 24.73 |
| | 4.32 | 41.67 | 5.93 | 30.35 | 7.04 | 25.57 |
| | 3.71 | 48.52 | 5.31 | 33.90 | 5.62 | 32.03 |
| | 3.89 | 46.27 | 5.93 | 30.35 | 6.54 | 27.52 |
| | 4.43 | 40.63 | 6.9 | 26.09 | 6.8 | 26.47 |
| | 4.72 | 38.14 | 5.24 | 34.35 | 7.37 | 24.42 |
| | 4.88 | 36.89 | 3.89 | 46.27 | | |
| | 5.22 | 34.48 | 6.21 | 28.99 | | |
| | 6.75 | 26.67 | 6.8 | 26.47 | | |
| | 4.65 | 38.71 | 5.03 | | | |
| | 3.32 | 54.22 | 5.05 | | | |
| | 5.01 | 35.93 | | | | |
| | 4.23 | 42.55 | | | | |
| Rata-rata | 4.64 | 39.88 | 5.93 | 31.19 | 6.88 | 26.39 |
| 17.15-17.30 | 5.73 | 31.41 | 5.37 | 33.52 | 6.39 | 28.17 |
| | 5.38 | 33.46 | 6.11 | 29.46 | 6.21 | 28.99 |
| | 4.65 | 38.71 | 5.62 | 32.03 | 7.34 | 24.52 |
| | 4.16 | 43.27 | 4.62 | 38.96 | 6.32 | 28.48 |
| | 3.61 | 49.86 | 6.15 | 29.27 | 8.72 | 20.64 |
| | 4.71 | 38.22 | 5.65 | 31.86 | 4.98 | 36.14 |
| | 4.65 | 38.71 | 4.45 | 40.45 | | |
| | 5.45 | 33.03 | 5.76 | 31.25 | | |
| | 4.83 | 37.27 | 6.10 | 29.51 | | |
| | 5.22 | 34.48 | 6.28 | 28.66 | | |
| | 3.55 | 50.70 | 5.70 | | | |
| | 5.78 | 31.14 | 6.09 | | | |
| | Rata-rata | 4.81 | 38.36 | 5.61 | 32.50 | 6.66 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 17.30-17.45 | 3.38 | 53.25 | 6.43 | 27.99 | 5.89 | 30.56 |
| | 5.11 | 35.23 | 4.56 | 39.47 | 4.65 | 38.71 |
| | 4.94 | 36.44 | 5.66 | 31.80 | 7.31 | 24.62 |
| | 5.20 | 34.62 | 5.10 | 35.29 | 5.21 | 34.55 |
| | 5.37 | 33.52 | 5.38 | 33.46 | 6.56 | 27.44 |
| | 5.32 | 33.83 | 4.32 | 41.67 | | |
| | 4.45 | 40.45 | 6.02 | 29.90 | | |
| | 3.45 | 52.17 | 6.23 | 28.89 | | |
| | 4.42 | 40.72 | 5.94 | 30.30 | | |
| | 4.84 | 37.19 | 5.32 | 33.83 | | |
| | 3.83 | 47.00 | 3.56 | | | |
| | 4.27 | 42.15 | 4.66 | | | |
| | 5.03 | 35.79 | | | | |
| Rata-rata | 4.59 | 39.09 | 5.27 | 33.26 | 5.27 | 31.18 |
| 17.45-18.00 | 4.27 | 42.15 | 5.21 | 34.55 | 6.09 | 29.56 |
| | 5.20 | 34.62 | 6.16 | 29.22 | 5.61 | 32.09 |
| | 4.32 | 41.67 | 5.78 | 31.14 | 6.20 | 29.03 |
| | 5.10 | 35.29 | 6.04 | 29.80 | 6.48 | 27.78 |
| | 4.15 | 43.37 | 4.56 | 39.47 | 5.43 | 33.15 |
| | 4.54 | 39.65 | 5.76 | 31.25 | | |
| | 3.67 | 49.05 | 5.08 | 35.43 | | |
| | 4.82 | 37.34 | 4.66 | 38.63 | | |
| | 5.13 | 35.09 | 5.60 | 32.14 | | |
| | 3.45 | 52.17 | 6.44 | 27.95 | | |
| | 4.40 | 40.91 | 6.54 | | | |
| 3.94 | 45.69 | | | | | |
| Rata-rata | 4.42 | 41.42 | 5.53 | 32.96 | 5.96 | 30.32 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 18.00-18.15 | 3.33 | 54.05 | 6.20 | 29.03 | 7.09 | 25.39 |
| | 4.67 | 38.54 | 7.11 | 25.32 | 9.12 | 19.74 |
| | 5.81 | 30.98 | 4.68 | 38.46 | 6.34 | 28.39 |
| | 6.12 | 29.41 | 5.29 | 34.03 | 6.87 | 26.20 |
| | 3.89 | 46.27 | 6.76 | 26.63 | 7.33 | 24.56 |
| | 3.91 | 46.04 | 5.45 | 33.03 | | |
| | 4.34 | 41.47 | 5.78 | 31.14 | | |
| | 5.61 | 32.09 | 4.06 | 44.33 | | |
| | 4.31 | 41.76 | 4.32 | 41.67 | | |
| | 6.20 | 29.03 | 5.28 | 34.09 | | |
| | 5.10 | 35.29 | 6.02 | 29.90 | | |
| | 3.67 | 49.05 | | | | |
| | 3.93 | 45.80 | | | | |
| Rata-rata | 4.68 | 38.81 | 5.54 | 33.42 | 7.35 | 24.85 |
| 18.15-18.30 | 5.67 | 31.75 | 5.85 | 30.77 | 7.87 | 22.87 |
| | 5.04 | 35.71 | 6.87 | 26.20 | 6.08 | 29.61 |
| | 4.03 | 44.67 | 3.40 | 52.94 | 7.43 | 24.23 |
| | 5.55 | 32.43 | 9.23 | 19.50 | | |
| | 4.71 | 38.22 | 4.61 | 39.05 | | |
| | 3.49 | 51.58 | 4.56 | 39.47 | | |
| | 3.75 | 48.00 | 5.08 | 35.43 | | |
| | 4.50 | 40.00 | 5.21 | 34.55 | | |
| | 6.04 | 29.80 | 6.30 | 28.57 | | |
| | 5.27 | 34.16 | 4.43 | 40.63 | | |
| | 5.33 | 33.77 | | | | |
| | 4.64 | 38.79 | | | | |
| Rata-rata | 4.84 | 38.24 | 5.55 | 34.71 | 7.13 | 25.57 |

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|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 18.30-18.45 | 6.42 | 28.04 | 11.52 | 15.63 | 6.89 | 26.12 |
| | 5.62 | 32.03 | 6.04 | 29.80 | 7.39 | 24.36 |
| | 7.15 | 25.17 | 4.50 | 40.00 | | |
| | 6.78 | 26.55 | 8.65 | 20.81 | | |
| | 5.89 | 30.56 | 3.38 | 53.25 | | |
| | 5.69 | 31.63 | 6.27 | 28.71 | | |
| | 6.45 | 27.91 | 4.56 | 39.47 | | |
| | 4.08 | 44.12 | 7.21 | 24.97 | | |
| | 3.93 | 45.80 | 3.09 | 58.25 | | |
| | 4.22 | 42.65 | 4.36 | 41.28 | | |
| | 5.21 | 34.55 | 4.77 | 37.74 | | |
| | 3.87 | 46.51 | | | | |
| | 5.21 | 34.55 | | | | |
| Rata-rata | 5.42 | 34.62 | 5.85 | 35.45 | 7.14 | 25.24 |
| 18.45-19.00 | 3.23 | 55.73 | 5.12 | 35.16 | 8.12 | 22.17 |
| | 4.16 | 43.27 | 5.76 | 31.25 | 5.21 | 34.55 |
| | 3.21 | 56.07 | 4.78 | 37.66 | | |
| | 5.30 | 33.96 | 5.34 | 33.71 | | |
| | 4.85 | 37.11 | 5.09 | 35.36 | | |
| | 4.34 | 41.47 | 4.72 | 38.14 | | |
| | 4.66 | 38.63 | 4.83 | 37.27 | | |
| | 3.56 | 50.56 | 4.87 | 36.96 | | |
| | 5.40 | 33.33 | 6.23 | 28.89 | | |
| | 4.48 | 40.18 | 5.87 | 30.66 | | |
| | 3.47 | 51.87 | | | | |
| 4.72 | 38.14 | | | | | |
| Rata-rata | 4.28 | 43.36 | 5.26 | 34.51 | 6.67 | 28.36 |

SURVEI KECEPATAN TEMPUH KENDARAAN

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Hari/tanggal : Sabtu, 22 April 2017

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|--------------|--------------|------------------|--------------|-----------------|--------------|
| | | | | | | |
| 07.00-07.15 | 4.58 | 39.30 | 4.66 | 38.63 | 5.61 | 32.09 |
| | 4.33 | 41.57 | 5.34 | 33.71 | 7.68 | 23.44 |
| | 5.33 | 33.77 | 4.76 | 37.82 | 5.38 | 33.46 |
| | 3.15 | 57.14 | 4.38 | 41.10 | 6.21 | 28.99 |
| | 2.99 | 60.20 | 4.32 | 41.67 | 5.71 | 31.52 |
| | 4.00 | 45.00 | 5.81 | 30.98 | 4.32 | 41.67 |
| | 4.26 | 42.25 | 4.94 | 36.44 | | |
| | 3.98 | 45.23 | 4.32 | 41.67 | | |
| | 3.45 | 52.17 | 5.44 | 33.09 | | |
| | 4.60 | 39.13 | 4.84 | | | |
| | 3.26 | 55.21 | | | | |
| Rata-rata | 3.99 | 46.45 | 4.89 | 37.23 | 5.82 | 31.86 |
| 07.15-07.30 | 3.66 | 49.18 | 5.16 | 34.88 | 4.70 | 38.30 |
| | 3.99 | 45.11 | 5.53 | 32.55 | 6.48 | 27.78 |
| | 3.93 | 45.80 | 5.16 | 34.88 | 6.38 | 28.21 |
| | 3.06 | 58.82 | 4.44 | 40.54 | 4.48 | 40.18 |
| | 3.88 | 46.39 | 4.32 | 41.67 | 5.33 | 33.77 |
| | 3.21 | 56.07 | 4.82 | 37.34 | | |
| | 4.62 | 38.96 | 5.50 | 32.73 | | |
| | 3.66 | 49.18 | 4.94 | 36.44 | | |
| | 3.29 | 54.71 | 5.39 | 33.40 | | |
| | 3.03 | 59.41 | 3.70 | 48.65 | | |
| | 3.37 | 53.41 | | | | |
| 2.93 | 61.43 | | | | | |
| Rata-rata | 3.55 | 51.54 | 4.90 | 37.31 | 5.47 | 33.65 |

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|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| 07.30-07.45 | 3.11 | 57.88 | 4.59 | 39.22 | 5.43 | 33.15 |
| | 3.93 | 45.80 | 4.43 | 40.63 | 5.94 | 30.30 |
| | 3.19 | 56.43 | 4.66 | 38.63 | 6.11 | 29.46 |
| | 3.83 | 47.00 | 3.27 | 55.05 | 4.22 | |
| | 3.91 | 46.04 | 4.54 | 39.65 | 5.04 | |
| | 4.44 | 40.54 | 4.20 | 42.86 | 4.33 | |
| | 4.01 | 44.89 | 6.76 | 26.63 | | |
| | 3.92 | 45.92 | 4.44 | 40.54 | | |
| | 4.21 | 42.76 | 4.95 | 36.36 | | |
| | 3.71 | 48.52 | 4.54 | 39.65 | | |
| | 4.49 | 40.09 | 5.43 | 33.15 | | |
| | 3.00 | 60.00 | 3.95 | 45.57 | | |
| | 3.57 | 50.42 | | | | |
| | 3.56 | 50.56 | | | | |
| Rata-rata | 3.78 | 48.34 | 4.65 | 39.83 | 5.18 | 30.97 |
| 07.45-08.00 | 3.11 | 57.88 | 4.59 | 39.22 | 5.43 | 33.15 |
| | 3.93 | 45.80 | 4.43 | 40.63 | 5.94 | 30.30 |
| | 3.99 | 45.11 | 4.66 | 38.63 | 6.11 | 29.46 |
| | 3.83 | 47.00 | 3.27 | 55.05 | 4.22 | 42.65 |
| | 3.91 | 46.04 | 4.54 | 39.65 | 5.04 | 35.71 |
| | 3.45 | 52.17 | 3.56 | 50.56 | 6.66 | |
| | 4.01 | 44.89 | 4.54 | 39.65 | 4.27 | |
| | 3.92 | 45.92 | 4.44 | 40.54 | | |
| | 4.21 | 42.76 | 4.95 | 36.36 | | |
| | 3.71 | 48.52 | 4.54 | 39.65 | | |
| | 4.49 | 40.09 | 5.43 | | | |
| | 3.00 | 60.00 | 3.95 | | | |
| | Rata-rata | 3.80 | 48.01 | 4.41 | 41.99 | 5.38 |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 08.00-08.15 | 3.28 | 54.88 | 4.56 | 39.47 | 7.03 | 25.60 |
| | 3.65 | 49.32 | 4.26 | 42.25 | 6.69 | 26.91 |
| | 4.02 | 44.78 | 4.27 | 42.15 | 6.63 | 27.15 |
| | 3.34 | 53.89 | 5.20 | 34.62 | 5.78 | 31.14 |
| | 3.95 | 45.57 | 5.11 | 35.23 | 5.68 | 31.69 |
| | 3.93 | 45.80 | 5.04 | 35.71 | 5.71 | 31.52 |
| | 4.04 | 44.55 | 4.60 | 39.13 | 5.29 | 34.03 |
| | 3.60 | 50.00 | 4.32 | 41.67 | | |
| | 4.11 | 43.80 | | | | |
| | 3.23 | 55.73 | | | | |
| | 3.59 | 50.14 | | | | |
| | 4.27 | 42.15 | | | | |
| Rata-rata | 3.75 | 48.38 | 4.67 | 38.78 | 6.12 | 29.72 |
| 08.15-08.30 | 4.41 | 40.82 | 5.05 | 35.64 | 7.03 | 25.60 |
| | 4.16 | 43.27 | 4.79 | 37.58 | 6.69 | 26.91 |
| | 2.98 | 60.40 | 4.16 | 43.27 | 6.63 | 27.15 |
| | 4.44 | 40.54 | 4.65 | 38.71 | 5.78 | 31.14 |
| | 3.32 | 54.22 | 5.71 | 31.52 | 5.68 | 31.69 |
| | 2.77 | 64.98 | 4.66 | 38.63 | 5.71 | 31.52 |
| | 3.71 | 48.52 | | | | |
| | 4.65 | 38.71 | | | | |
| | 3.43 | 52.48 | | | | |
| | 3.31 | 54.38 | | | | |
| | 3.84 | 46.88 | | | | |
| | 3.65 | 49.32 | | | | |
| Rata-rata | 3.72 | 49.54 | 4.84 | 37.56 | 6.25 | 29.00 |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 08.30-08.45 | 3.20 | 56.25 | 3.21 | 56.07 | 6.34 | 28.39 |
| | 3.04 | 59.21 | 4.56 | 39.47 | 6.42 | 28.04 |
| | 5.06 | 35.57 | 5.60 | 32.14 | 7.80 | 23.08 |
| | 3.67 | 49.05 | 6.21 | 28.99 | 4.50 | 40.00 |
| | 4.67 | 38.54 | 4.82 | 37.34 | | |
| | 3.13 | 57.51 | 6.31 | 28.53 | | |
| | 3.67 | 49.05 | 5.32 | 33.83 | | |
| | 3.05 | 59.02 | 4.03 | 44.67 | | |
| | 3.24 | 55.56 | 6.45 | 27.91 | | |
| | 2.98 | 60.40 | 4.54 | 39.65 | | |
| | 3.87 | 46.51 | | | | |
| | 3.19 | 56.43 | | | | |
| Rata-rata | 3.56 | 51.92 | 5.11 | 36.86 | 6.27 | 29.88 |
| 08.45-09.00 | 3.20 | 56.25 | 3.21 | 56.07 | 5.67 | 31.75 |
| | 3.04 | 59.21 | 4.56 | 39.47 | 4.55 | 39.56 |
| | 3.45 | 52.17 | 5.60 | 32.14 | 5.60 | 32.14 |
| | 4.32 | 41.67 | 6.21 | 28.99 | | |
| | 3.67 | 49.05 | 4.82 | 37.34 | | |
| | 3.13 | 57.51 | 6.31 | 28.53 | | |
| | 2.07 | 86.96 | 3.24 | 55.56 | | |
| | 3.05 | 59.02 | 4.03 | 44.67 | | |
| | 3.24 | 55.56 | 4.72 | 38.14 | | |
| | 2.98 | 60.40 | 4.54 | 39.65 | | |
| | 3.87 | 46.51 | | | | |
| | 3.19 | 56.43 | | | | |
| Rata-rata | 3.27 | 56.73 | 4.72 | 40.06 | 5.27 | 34.48 |

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|--------------|--------------|------------------|--------------|-----------------|--------------|
| | 11.00-11.15 | 3.39 | 53.10 | 5.43 | 33.15 | 5.26 |
| | 3.42 | 52.63 | 4.31 | 41.76 | 5.55 | 32.43 |
| | 3.28 | 54.88 | 4.26 | 42.25 | 5.61 | 32.09 |
| | 3.37 | 53.41 | 3.92 | 45.92 | 5.21 | 34.55 |
| | 3.72 | 48.39 | 5.45 | 33.03 | 7.70 | 23.38 |
| | 3.60 | 50.00 | 4.49 | 40.09 | 5.66 | 31.80 |
| | 4.04 | 44.55 | 4.89 | 36.81 | | |
| | 3.87 | 46.51 | 4.55 | 39.56 | | |
| | 4.40 | 40.91 | 5.39 | 33.40 | | |
| | 3.98 | 45.23 | 5.34 | 33.71 | | |
| | 4.71 | 38.22 | 5.55 | 32.43 | | |
| | 4.56 | 39.47 | | | | |
| | 3.78 | 47.62 | | | | |
| | 3.23 | 55.73 | | | | |
| Rata-rata | 3.81 | 47.90 | 4.87 | 37.46 | 5.83 | 31.41 |
| 11.15-11.30 | 4.43 | 40.63 | 4.81 | 37.42 | 5.28 | 34.09 |
| | 3.88 | 46.39 | 5.04 | 35.71 | 6.62 | 27.19 |
| | 2.76 | 65.22 | 5.09 | 35.36 | 4.60 | 39.13 |
| | 3.72 | 48.39 | 5.61 | 32.09 | 4.99 | 36.07 |
| | 2.65 | 67.92 | 4.95 | 36.36 | 6.45 | 27.91 |
| | 3.37 | 53.41 | 4.82 | 37.34 | 5.24 | 34.35 |
| | 4.39 | 41.00 | 4.94 | 36.44 | | |
| | 3.82 | 47.12 | 5.54 | 32.49 | | |
| | 4.72 | 38.14 | 4.84 | 37.19 | | |
| | 3.66 | 49.18 | 4.54 | 39.65 | | |
| | 3.89 | 46.27 | | | | |
| | 4.60 | 39.13 | | | | |
| Rata-rata | 3.82 | 48.57 | 5.02 | 36.01 | 5.53 | 32.88 |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 11.30-11.45 | 4.11 | 43.80 | 4.26 | 42.25 | 5.65 | 31.86 |
| | 0.26 | 692.31 | 4.49 | 40.09 | 5.90 | 30.51 |
| | 3.93 | 45.80 | 5.48 | 32.85 | 5.37 | 33.52 |
| | 4.16 | 43.27 | 4.15 | 43.37 | 5.60 | 32.14 |
| | 3.59 | 50.14 | 4.60 | 39.13 | 4.21 | 42.76 |
| | 3.87 | 46.51 | 4.16 | 43.27 | 4.05 | 44.44 |
| | 3.26 | 55.21 | 4.15 | 43.37 | 6.21 | 28.99 |
| | 4.88 | 36.89 | 4.07 | 44.23 | 13.78 | 13.06 |
| | 3.82 | 47.12 | 14.22 | 12.66 | 15.42 | 11.67 |
| | 3.07 | 58.63 | 12.94 | 13.91 | 13.26 | 13.57 |
| | 3.55 | 50.70 | 12.53 | 14.37 | | |
| | 3.88 | 46.39 | | | | |
| | 4.23 | 42.55 | | | | |
| Rata-rata | 3.59 | 96.87 | 6.82 | 33.59 | 7.95 | 28.25 |
| 11.45-12.00 | 3.33 | 54.05 | 4.09 | 44.01 | 4.31 | 41.76 |
| | 3.27 | 55.05 | 4.60 | 39.13 | 5.49 | 32.79 |
| | 3.26 | 55.21 | 4.11 | 43.80 | 4.33 | 41.57 |
| | 4.17 | 43.17 | 4.78 | 37.66 | 6.78 | 26.55 |
| | 3.71 | 48.52 | 4.26 | 42.25 | | |
| | 3.03 | 59.41 | 3.79 | 47.49 | | |
| | 3.15 | 57.14 | 5.04 | 35.71 | | |
| | 3.26 | 55.21 | | | | |
| | 2.98 | 60.40 | | | | |
| | 3.12 | 57.69 | | | | |
| | | | | | | |
| Rata-rata | 3.33 | 54.59 | 4.38 | 41.44 | 5.23 | 35.67 |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|-------------|--------------|
| 12.00-12.15 | 3.33 | 54.05 | 4.09 | 44.01 | 4.21 | 42.76 |
| | 3.27 | 55.05 | 4.89 | 36.81 | 4.31 | 41.76 |
| | 3.26 | 55.21 | 4.11 | 43.80 | 6.78 | 26.55 |
| | 4.17 | 43.17 | 3.45 | 52.17 | 4.33 | 41.57 |
| | 3.71 | 48.52 | 4.26 | 42.25 | 5.21 | 34.55 |
| | 3.59 | 50.14 | 3.79 | 47.49 | | |
| | 3.15 | 57.14 | 5.04 | 35.71 | | |
| | 3.26 | 55.21 | 9.59 | 18.77 | | |
| | 4.36 | 41.28 | | | | |
| | 3.12 | 57.69 | | | | |
| | | | | | | |
| Rata-rata | 3.52 | 51.49 | 4.90 | 40.13 | 4.97 | 37.44 |
| 12.15-12.30 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.22 | 28.94 |
| | 2.76 | 65.22 | 5.48 | 32.85 | 5.60 | 32.14 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 5.09 | 35.36 |
| | 2.65 | 67.92 | 4.60 | 39.13 | | |
| | 2.45 | 73.47 | 4.16 | 43.27 | | |
| | 4.39 | 41.00 | 4.15 | | | |
| | 3.82 | 47.12 | 3.45 | | | |
| | 4.72 | 38.14 | | | | |
| | 3.45 | 52.17 | | | | |
| | | | | | | |
| Rata-rata | 3.63 | 52.05 | 4.34 | 40.16 | 5.31 | 34.55 |

| | | | | | | |
|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| 12.30-12.45 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.31 | 28.53 |
| | 2.76 | 65.22 | 4.23 | 42.55 | 4.32 | 41.67 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 5.21 | 34.55 |
| | 2.65 | 67.92 | 5.87 | 30.66 | | |
| | 3.37 | 53.41 | 4.16 | 43.27 | | |
| | 4.39 | 41.00 | 4.15 | 43.37 | | |
| | 3.82 | 47.12 | 3.45 | 52.17 | | |
| | 4.72 | 38.14 | | | | |
| | 5.67 | 31.75 | | | | |
| | 3.89 | 46.27 | | | | |
| | 2.67 | 67.42 | | | | |
| | 3.23 | 55.73 | | | | |
| Rata-rata | 3.78 | 49.95 | 4.35 | 42.22 | 5.04 | 36.63 |
| 12.45-13.00 | 4.43 | 40.63 | 4.26 | 42.25 | 4.31 | 41.76 |
| | 3.88 | 46.39 | 4.49 | 40.09 | 6.78 | 26.55 |
| | 2.76 | 65.22 | 5.48 | 32.85 | 4.32 | 41.67 |
| | 3.72 | 48.39 | 4.15 | 43.37 | 4.12 | 43.69 |
| | 2.65 | 67.92 | 3.56 | 50.56 | | |
| | 2.65 | 67.92 | 4.16 | 43.27 | | |
| | 4.39 | 41.00 | 4.15 | 43.37 | | |
| | 3.82 | 47.12 | | | | |
| | 3.23 | 55.73 | | | | |
| | 5.67 | 31.75 | | | | |
| | 3.89 | 46.27 | | | | |
| | 4.60 | 39.13 | | | | |
| | Rata-rata | 3.81 | 49.79 | 4.32 | 42.25 | 4.88 |

| Waktu (WITA) | Sepeda Motor | | Kendaraan Ringan | | Kendaraan Berat | |
|------------------|--------------|--------------|------------------|--------------|-----------------|--------------|
| | 17.00-17.15 | 5.21 | 34.55 | 5.37 | 33.52 | 6.39 |
| | 4.6 | 39.13 | 6.11 | 29.46 | 6.21 | 28.99 |
| | 4.32 | 41.67 | 5.62 | 32.03 | 7.34 | 24.52 |
| | 3.71 | 48.52 | 4.62 | 38.96 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 6.15 | 29.27 | 9.23 | 19.50 |
| | 7.45 | 24.16 | 5.65 | 31.86 | 4.98 | 36.14 |
| | 4.72 | 38.14 | 10.42 | 17.27 | | |
| | 6.45 | 27.91 | 8.90 | 20.22 | | |
| | 5.22 | 34.48 | 7.87 | 22.87 | | |
| | 6.75 | 26.67 | 6.28 | 28.66 | | |
| | 4.65 | 38.71 | 11.90 | 15.13 | | |
| | 5.29 | 34.03 | 12.00 | 15.00 | | |
| | 5.01 | 35.93 | | | | |
| | 4.23 | 42.55 | | | | |
| Rata-rata | 5.11 | 36.62 | 7.57 | 26.19 | 6.75 | 27.63 |
| 17.15-17.30 | 5.21 | 34.55 | 5.37 | 33.52 | 6.39 | 28.17 |
| | 4.6 | 39.13 | 6.11 | 29.46 | 6.21 | 28.99 |
| | 4.32 | 41.67 | 5.62 | 32.03 | 7.34 | 24.52 |
| | 3.71 | 48.52 | 12.32 | 14.61 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 6.15 | 29.27 | | |
| | 7.45 | 24.16 | 5.65 | 31.86 | | |
| | 4.72 | 38.14 | 6.78 | 26.55 | | |
| | 6.45 | 27.91 | 10.45 | 17.22 | | |
| | 5.22 | 34.48 | 7.87 | 22.87 | | |
| | 6.75 | 26.67 | 6.28 | 28.66 | | |
| | 4.65 | 38.71 | 8.50 | | | |
| | 5.29 | 34.03 | 6.09 | | | |
| Rata-rata | 5.19 | 36.19 | 7.26 | 26.61 | 6.57 | 27.54 |

| | | | | | | |
|------------------|-------------|--------------|-------------|--------------|--------------|--------------|
| 17.30-17.45 | 5.21 | 34.55 | 5.37 | 33.52 | 6.39 | 28.17 |
| | 4.6 | 39.13 | 6.11 | 29.46 | 6.21 | 28.99 |
| | 4.32 | 41.67 | 5.62 | 32.03 | 7.34 | 24.52 |
| | 3.71 | 48.52 | 4.62 | 38.96 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 10.34 | 17.41 | 13.82 | 13.02 |
| | 7.45 | 24.16 | 8.45 | 21.30 | 14.94 | 12.05 |
| | 4.72 | 38.14 | 6.78 | 26.55 | 15.93 | 11.30 |
| | 6.45 | 27.91 | 9.32 | 19.31 | | |
| | 5.22 | 34.48 | 7.87 | 22.87 | | |
| | 6.75 | 26.67 | 6.28 | 28.66 | | |
| | 4.65 | 38.71 | 8.50 | 21.18 | | |
| | 5.29 | 34.03 | | | | |
| | 14.06 | 12.80 | | | | |
| Rata-rata | 5.87 | 34.37 | 7.21 | 26.48 | 10.14 | 20.93 |
| 17.45-18.00 | 5.21 | 34.55 | 9.05 | 19.89 | 12.54 | 14.35 |
| | 4.6 | 39.13 | 10.87 | 16.56 | 6.21 | 28.99 |
| | 4.32 | 41.67 | 9.78 | 18.40 | 7.34 | 24.52 |
| | 3.71 | 48.52 | 5.62 | 32.03 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 4.62 | 38.96 | | |
| | 7.45 | 24.16 | 6.15 | 29.27 | | |
| | 4.72 | 38.14 | 5.65 | 31.86 | | |
| | 6.45 | 27.91 | 6.34 | 28.39 | | |
| | 5.22 | 34.48 | 5.76 | 31.25 | | |
| | 6.75 | 26.67 | 11.00 | 16.36 | | |
| | 4.65 | 38.71 | 6.28 | | | |
| | 14.84 | 12.13 | 8.50 | | | |
| Rata-rata | 5.98 | 34.36 | 7.48 | 26.30 | 8.10 | 24.09 |

| | | | | | | |
|------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| 18.00-18.15 | 5.98 | 30.08 | 9.79 | 18.39 | 11.96 | 15.05 |
| | 5.21 | 34.55 | 9.05 | 34.23 | 12.83 | 14.03 |
| | 4.6 | 39.13 | 10.87 | 23.00 | 6.21 | 28.99 |
| | 4.32 | 41.67 | 9.78 | 18.40 | 7.34 | 24.52 |
| | 3.71 | 48.52 | 13.82 | 13.02 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 6.89 | 26.12 | | |
| | 7.45 | 24.16 | 6.15 | 29.27 | | |
| | 4.72 | 38.14 | 5.65 | 31.86 | | |
| | 7.56 | 23.81 | 6.78 | 26.55 | | |
| | 5.22 | 34.48 | 11.76 | 15.31 | | |
| | 6.75 | 26.67 | 7.87 | 22.87 | | |
| | 4.65 | 38.71 | 6.28 | | | |
| | 14.84 | 12.13 | | | | |
| Rata-rata | 6.07 | 34.02 | 8.72 | 23.55 | 8.93 | 22.21 |
| 18.15-18.30 | 8.67 | 20.76 | 10.69 | 16.84 | 13.45 | 13.38 |
| | 9.12 | 19.74 | 10.78 | 16.70 | 12.83 | 14.03 |
| | 9.28 | 19.40 | 11.50 | 15.65 | 6.21 | 28.99 |
| | 10.74 | 16.76 | 10.04 | 17.93 | 7.34 | 24.52 |
| | 10.86 | 16.57 | 9.78 | 18.40 | 6.32 | 28.48 |
| | 3.89 | 46.27 | 5.62 | 32.03 | | |
| | 7.45 | 24.16 | 4.62 | 38.96 | | |
| | 4.72 | 38.14 | 6.15 | 29.27 | | |
| | 7.56 | 23.81 | 5.65 | 31.86 | | |
| | 5.22 | 34.48 | 6.78 | 26.55 | | |
| | 14.28 | 12.61 | 11.45 | 15.72 | | |
| | 14.62 | 12.31 | | | | |
| | Rata-rata | 8.87 | 23.75 | 8.16 | 23.63 | 9.23 |

| | | | | | | |
|-------------|------------------|-------------|--------------|--------------|--------------|-------------|
| 18.30-18.45 | 8.31 | 21.66 | 9.46 | 19.03 | 13.65 | 13.19 |
| | 8.91 | 20.20 | 9.89 | 25.60 | 7.34 | 24.52 |
| | 9.13 | 19.72 | 10.12 | 17.79 | 6.32 | 28.48 |
| | 9.56 | 18.83 | 10.75 | 16.74 | | |
| | 10.74 | 16.76 | 9.78 | 18.40 | | |
| | 10.86 | 16.57 | 5.62 | 32.03 | | |
| | 3.89 | 46.27 | 4.62 | 38.96 | | |
| | 7.45 | 24.16 | 6.15 | 29.27 | | |
| | 4.72 | 38.14 | 13.88 | 27.56 | | |
| | 7.56 | 23.81 | 14.57 | 32.34 | | |
| | 5.22 | 34.48 | 14.75 | 12.20 | | |
| | 13.11 | 13.73 | | | | |
| | 14.05 | 12.81 | | | | |
| | Rata-rata | 8.73 | 23.63 | 9.96 | 24.54 | 9.10 |
| 18.45-19.00 | 9.02 | 19.96 | 9.87 | 54.45 | 12.78 | 14.08 |
| | 9.23 | 19.50 | 10.76 | 24.87 | 7.34 | 24.52 |
| | 10.74 | 16.76 | 9.89 | 54.50 | 6.32 | 28.48 |
| | 10.86 | 16.57 | 11.23 | 16.03 | | |
| | 3.89 | 46.27 | 10.75 | 16.74 | | |
| | 7.45 | 24.16 | 9.78 | 18.40 | | |
| | 4.72 | 38.14 | 9.56 | 18.83 | | |
| | 7.56 | 23.81 | 6.34 | 28.39 | | |
| | 5.22 | 34.48 | 9.20 | 19.57 | | |
| | 13.11 | 13.73 | 14.77 | 12.19 | | |
| | 13.82 | 13.02 | | | | |
| | 14.29 | 12.60 | | | | |
| | Rata-rata | 9.16 | 23.25 | 10.22 | 26.40 | 8.81 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 1

Hari/tanggal : Rabu, 19 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-17.15 | 31 | 26 | 31 |
| 07.15-07.30 | 39 | 30 | 33 |
| 07.30-07.45 | 32 | 26 | 32 |
| 07.45-08.00 | 29 | 37 | 36 |
| 08.00-08.15 | 19 | 29 | 44 |
| 08.15-08.30 | 18 | 45 | 48 |
| 08.30-08.45 | 15 | 46 | 49 |
| 08.45-09.00 | 9 | 43 | 65 |
| | | | |
| 11.00-11.15 | 11 | 39 | 12 |
| 11.15-11.30 | 14 | 45 | 21 |
| 11.30-11.45 | 16 | 50 | 24 |
| 11.45-12.00 | 15 | 37 | 45 |
| 12.00-12.15 | 12 | 26 | 43 |
| 12.15-12.30 | 19 | 46 | 24 |
| 12.30-12.45 | 21 | 43 | 33 |
| 12.45-13.00 | 9 | 52 | 19 |
| | | | |
| 17.00-17.15 | 16 | 14 | 54 |
| 17.15-17.30 | 24 | 31 | 42 |
| 17.30-17.45 | 38 | 26 | 65 |
| 17.45-18.00 | 34 | 37 | 67 |
| 18.00-18.15 | 17 | 22 | 88 |
| 18.15-18.30 | 7 | 18 | 103 |
| 18.30-18.45 | 11 | 28 | 33 |
| 18.45-19.00 | 18 | 25 | 31 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 1

Hari/tanggal : Jumat, 21 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-17.15 | 20 | 33 | 40 |
| 07.15-07.30 | 4 | 32 | 34 |
| 07.30-07.45 | 17 | 42 | 27 |
| 07.45-08.00 | 15 | 36 | 24 |
| 08.00-08.15 | 10 | 34 | 32 |
| 08.15-08.30 | 9 | 36 | 46 |
| 08.30-08.45 | 9 | 34 | 66 |
| 08.45-09.00 | 4 | 32 | 55 |
| | | | |
| 11.00-11.15 | 8 | 39 | 26 |
| 11.15-11.30 | 12 | 40 | 34 |
| 11.30-11.45 | 11 | 43 | 33 |
| 11.45-12.00 | 9 | 43 | 21 |
| 12.00-12.15 | 8 | 45 | 45 |
| 12.15-12.30 | 12 | 41 | 23 |
| 12.30-12.45 | 10 | 41 | 45 |
| 12.45-13.00 | 9 | 44 | 61 |
| | | | |
| 17.00-17.15 | 85 | 37 | 46 |
| 17.15-17.30 | 71 | 55 | 41 |
| 17.30-17.45 | 89 | 27 | 64 |
| 17.45-18.00 | 54 | 46 | 21 |
| 18.00-18.15 | 34 | 32 | 26 |
| 18.15-18.30 | 22 | 34 | 35 |
| 18.30-18.45 | 11 | 34 | 33 |
| 18.45-19.00 | 10 | 40 | 22 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 1

Hari/tanggal : Sabtu, 22 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-17.15 | 20 | 33 | 40 |
| 07.15-07.30 | 4 | 32 | 34 |
| 07.30-07.45 | 17 | 42 | 27 |
| 07.45-08.00 | 15 | 36 | 24 |
| 08.00-08.15 | 10 | 34 | 32 |
| 08.15-08.30 | 9 | 36 | 46 |
| 08.30-08.45 | 9 | 34 | 66 |
| 08.45-09.00 | 4 | 32 | 55 |
| | | | |
| 11.00-11.15 | 8 | 39 | 67 |
| 11.15-11.30 | 12 | 40 | 77 |
| 11.30-11.45 | 11 | 43 | 86 |
| 11.45-12.00 | 9 | 43 | 91 |
| 12.00-12.15 | 8 | 45 | 56 |
| 12.15-12.30 | 12 | 41 | 88 |
| 12.30-12.45 | 10 | 41 | 45 |
| 12.45-13.00 | 9 | 44 | 66 |
| | | | |
| 17.00-17.15 | 14 | 34 | 46 |
| 17.15-17.30 | 17 | 33 | 41 |
| 17.30-17.45 | 11 | 58 | 55 |
| 17.45-18.00 | 14 | 76 | 45 |
| 18.00-18.15 | 11 | 59 | 45 |
| 18.15-18.30 | 9 | 62 | 77 |
| 18.30-18.45 | 7 | 70 | 58 |
| 18.45-19.00 | 10 | 40 | 79 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 2

Hari/tanggal : Rabu, 19 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-17.15 | 37 | 46 | 24 |
| 07.15-07.30 | 23 | 32 | 19 |
| 07.30-07.45 | 32 | 20 | 27 |
| 07.45-08.00 | 15 | 12 | 31 |
| 08.00-08.15 | 25 | 20 | 36 |
| 08.15-08.30 | 20 | 18 | 42 |
| 08.30-08.45 | 13 | 18 | 35 |
| 08.45-09.00 | 15 | 24 | 32 |
| | | | |
| 11.00-11.15 | 15 | 33 | 32 |
| 11.15-11.30 | 9 | 37 | 26 |
| 11.30-11.45 | 7 | 40 | 62 |
| 11.45-12.00 | 3 | 31 | 45 |
| 12.00-12.15 | 11 | 43 | 55 |
| 12.15-12.30 | 8 | 41 | 34 |
| 12.30-12.45 | 4 | 40 | 23 |
| 12.45-13.00 | 19 | 47 | 52 |
| | | 0 | |
| 17.00-17.15 | 55 | 36 | 21 |
| 17.15-17.30 | 68 | 27 | 46 |
| 17.30-17.45 | 111 | 15 | 67 |
| 17.45-18.00 | 61 | 21 | 32 |
| 18.00-18.15 | 14 | 27 | 31 |
| 18.15-18.30 | 9 | 23 | 23 |
| 18.30-18.45 | 6 | 23 | 19 |
| 18.45-19.00 | 5 | 23 | 28 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 2

Hari/tanggal : Jumat, 21 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-07.15 | 14 | 36 | 35 |
| 07.15-07.30 | 10 | 29 | 33 |
| 07.30-07.45 | 16 | 45 | 45 |
| 07.45-08.00 | 14 | 38 | 54 |
| 08.00-08.15 | 11 | 38 | 28 |
| 08.15-08.30 | 8 | 44 | 23 |
| 08.30-08.45 | 7 | 42 | 19 |
| 08.45-09.00 | 6 | 42 | 21 |
| | | | |
| 11.00-11.15 | 11 | 41 | 56 |
| 11.15-11.30 | 11 | 45 | 54 |
| 11.30-11.45 | 12 | 43 | 24 |
| 11.45-12.00 | 7 | 38 | 42 |
| 12.00-12.15 | 6 | 39 | 37 |
| 12.15-12.30 | 14 | 38 | 44 |
| 12.30-12.45 | 14 | 47 | 52 |
| 12.45-13.00 | 7 | 47 | 34 |
| | | | |
| 17.00-17.15 | 39 | 47 | 49 |
| 17.15-17.30 | 25 | 32 | 31 |
| 17.30-17.45 | 43 | 36 | 36 |
| 17.45-18.00 | 49 | 42 | 38 |
| 18.00-18.15 | 46 | 53 | 46 |
| 18.15-18.30 | 11 | 33 | 33 |
| 18.30-18.45 | 14 | 38 | 55 |
| 18.45-19.00 | 9 | 42 | 22 |

SURVEI HAMBATAN SAMPING

Lokasi : Ruas Jalan Siliwangi Kota Kupang, NTT

Cuaca : Cerah

Jalur : 2

Hari/tanggal : Sabtu, 22 April 2017

| Waktu (WITA) | Jumlah Pejalan Kaki (PED) | Jumlah Kendaraan Berhenti dan Parkir (PSV) | Kendaraan yang Masuk dan Keluar (EEV) |
|--------------|---------------------------|--|---------------------------------------|
| 07.00-07.15 | 9 | 32 | 18 |
| 07.15-07.30 | 11 | 32 | 21 |
| 07.30-07.45 | 12 | 30 | 36 |
| 07.45-08.00 | 8 | 37 | 43 |
| 08.00-08.15 | 5 | 41 | 47 |
| 08.15-08.30 | 9 | 40 | 53 |
| 08.30-08.45 | 13 | 38 | 59 |
| 08.45-09.00 | 15 | 38 | 45 |
| | | | |
| 11.00-11.15 | 8 | 39 | 62 |
| 11.15-11.30 | 9 | 39 | 57 |
| 11.30-11.45 | 5 | 45 | 44 |
| 11.45-12.00 | 4 | 43 | 66 |
| 12.00-12.15 | 7 | 45 | 72 |
| 12.15-12.30 | 11 | 40 | 87 |
| 12.30-12.45 | 7 | 47 | 109 |
| 12.45-13.00 | 5 | 48 | 102 |
| | | | |
| 17.00-17.15 | 10 | 37 | 29 |
| 17.15-17.30 | 9 | 40 | 102 |
| 17.30-17.45 | 11 | 33 | 47 |
| 17.45-18.00 | 14 | 56 | 53 |
| 18.00-18.15 | 8 | 78 | 59 |
| 18.15-18.30 | 10 | 77 | 75 |
| 18.30-18.45 | 12 | 66 | 65 |
| 18.45-19.00 | 32 | 12 | 33 |

DOKUMENTASI PENELITIAN**Gambar 1. Kondisi arus lalu lintas pada siang hari****Gambar 2. Kondisi arus lalu lintas pada sore hari**



Gambar 3. Kendaraan berat tanki air



Gambar 4 Kendaraan berat yang melewati ruas jalan



Gambar 5. Kondisi parkir pada malam hari



Gambar 6. Kondisi parkir di kedua sisi jalan

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UNIVERSITAS ATMA JAYA
YOGYAKARTA
FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK SIPIL

LAMPIRAN LAPORAN TUGAS AKHIR

LOKASI JALAN :
SILIWANGI KOTA KUPANG

PENAMPANG MELINTANG

SKALA = 1: 100
(CM)

KETERANGAN
RUMAJA : RUANG MANFAAT JALAN
RUMIJA : RUANG MILI JALAN
RUWASJA : RUANG PENGAWASAN JALAN

