

BAB VI

KESIMPULAN DAN SARAN

6.1. Kesimpulan

Setelah dilakukan pengamatan dan analisis terhadap kinerja lalu lintas berdasarkan Manual Kapasitas Jalan Indonesia 1997, dan kelas pelayanan berdasarkan Peraturan Menteri Perhubungan nomor KM 14 Tahun 2006 Tentang Manajemen dan Rekayasa Lalu Lintas di Jalan maka pada ruas Jalan Prof. Dr. Ir. Herman Yohanes dapat disimpulkan beberapa hal seperti tertulis dibawah ini.

1. Dari data yang diambil di lapangan tahun 2009 dan telah dianalisis diperoleh bahwa kinerja ruas jalan pada ruas jalan Prof. Dr. Ir. Herman Yohanes adalah derajat kejenuhan arah selatan - utara mencapai nilai 0,746 dan arah utara - selatan mencapai nilai 0,684. Hambatan samping untuk arah selatan - utara mencapai 587,057 kejadian/jam dan arah utara - selatan mencapai 438,434 kejadian/jam.
2. Pada arah selatan - utara berada pada tingkat pelayanan D yaitu arus mendekati tidak stabil, dengan kecepatan arus bebas sebesar 34,66 km/jam, kecepatan tempuh rerata sebesar 25,01 km/jam. Tingkat pelayanan pada arah utara - selatan berada pada tingkat pelayanan D yaitu arus mendekati tidak stabil, dengan kecepatan arus bebas sebesar 38,07 km/jam, kecepatan tempuh rerata sebesar 25,29 km/jam.
3. Dari beberapa solusi yang telah dianalisis maka alternatif yang paling baik adalah alternatif kedua yaitu dengan cara pelebaran jalan, karena selain derajat kejenuhannya menurun menjadi lebih kecil (selatan – utara $D_s = 0,68$; utara – selatan $D_s = 0,62$), juga tidak mengurangi atau mengalihkan pengguna jalan.

6.2. **Saran**

1. Setelah melakukan penelitian di lapangan, ruas jalan Prof. Dr. Ir Herman Yohanes perlu dianalisis ulang pengaturan lalu lintas dan manajemen lalu lintas untuk menghindari terjadinya ketidakteraturan dan kemacetan lalu lintas.
2. Pemasangan rambu-rambu lalu lintas larangan parkir dan berhenti didepan toko-toko atau pada kedua sisi jalan yang dapat mengakibatkan timbulnya hambatan dan gangguan lalu lintas.
3. Pengguna jalan hendaknya dapat melaksanakan kedisiplinan dengan mematuhi rambu-rambu lalu lintas seperti halnya bagi pengguna kendaraan bermotor yang memutar arah atau belok sembarangan, juga bagi angkutan kota yang berhenti di sembarang tempat untuk menaikkan dan menurunkan penumpang.

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LAMPIRAN

Lampiran 1 Data Asli Hasil Survai Kendaraan Bermotor (Selatan-Utara)

Pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Anton, Totok, dan Andri

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	648	199	3
06.15-06.30	649	216	7
06.30-06.45	637	225	10
06.45-07.00	660	208	12
07.00-07.15	720	239	15
07.15-07.30	624	250	4
07.30-07.45	520	263	9
07.45-08.00	616	225	9
08.00-08.15	584	232	14
08.15-08.30	674	229	10
08.30-08.45	701	247	13
08.45-09.00	557	215	11
12.00-12.15	532	198	16
12.15-12.30	616	220	12
12.30-12.45	726	254	13
12.45-13.00	810	231	9
13.00-13.15	719	216	17
13.15-13.30	587	214	8
13.30-13.45	649	197	11
13.45-14.00	658	234	9
14.00-14.15	732	253	15
14.15-14.30	573	246	7
14.30-14.45	581	258	10
14.45-15.00	532	221	12
17.00-17.15	687	238	7
17.15-17.30	675	242	11
17.30-17.45	594	251	8
17.45-18.00	768	237	8

Lanjutan lampiran 1

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	783	177	12
18.15-18.30	760	267	8
18.30-18.45	831	246	7
18.45-19.00	713	277	5
19.00-19.15	812	312	8
19.15-19.30	716	292	5
19.30-19.45	579	231	9
19.45-20.00	483	186	6



Lampiran 2 Data Asli Hasil Survei Kendaraan Bermotor (Selatan-Utara)

Pada Hari Sabtu, 31 Oktober 2009

Hari, Tanggal : 31 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Anton, Totok, dan Andri

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	819	201	5
06.15-06.30	721	242	7
06.30-06.45	613	238	10
06.45-07.00	516	270	9
07.00-07.15	620	230	8
07.15-07.30	736	219	6
07.30-07.45	747	241	11
07.45-08.00	608	232	4
08.00-08.15	742	211	12
08.15-08.30	635	194	8
08.30-08.45	657	197	7
08.45-09.00	720	184	7
12.00-12.15	832	226	9
12.15-12.30	769	230	9
12.30-12.45	729	231	6
12.45-13.00	667	239	4
13.00-13.15	722	215	7
13.15-13.30	654	227	11
13.30-13.45	603	213	5
13.45-14.00	535	208	4
14.00-14.15	755	232	9
14.15-14.30	681	245	7
14.30-14.45	633	251	4
14.45-15.00	802	235	6
17.00-17.15	856	186	5
17.15-17.30	810	198	7
17.30-17.45	796	197	8
17.45-18.00	869	202	5

Lanjutan lampiran 2

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	823	219	9
18.15-18.30	741	227	6
18.30-18.45	765	230	7
18.45-19.00	798	235	6
19.00-19.15	807	212	4
19.15-19.30	772	236	2
19.30-19.45	837	223	1
19.45-20.00	741	220	1



Lampiran 3 Data Asli Hasil Survei Kendaraan Bermotor (Selatan-Utara)

Pada Hari Minggu, 01 November 2009

Hari, Tanggal : 01 November 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Anton, Totok, dan Andri

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	657	198	4
06.15-06.30	692	247	7
06.30-06.45	897	256	9
06.45-07.00	862	275	11
07.00-07.15	611	311	8
07.15-07.30	608	263	5
07.30-07.45	595	270	7
07.45-08.00	624	175	8
08.00-08.15	663	178	6
08.15-08.30	678	238	9
08.30-08.45	655	219	5
08.45-09.00	687	239	6
12.00-12.15	701	210	4
12.15-12.30	746	229	9
12.30-12.45	719	231	7
12.45-13.00	769	216	8
13.00-13.15	784	156	6
13.15-13.30	833	161	11
13.30-13.45	821	157	5
13.45-14.00	854	163	8
14.00-14.15	537	232	4
14.15-14.30	562	257	1
14.30-14.45	522	267	11
14.45-15.00	576	266	9
17.00-17.15	586	158	5
17.15-17.30	677	190	7
17.30-17.45	859	197	5
17.45-18.00	874	182	10

Lanjutan lampiran 3

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	621	229	8
18.15-18.30	786	268	4
18.30-18.45	835	259	12
18.45-19.00	896	272	5
19.00-19.15	834	234	3
19.15-19.30	723	280	2
19.30-19.45	686	263	2
19.45-20.00	611	230	-



Lampiran 4 Data Asli Hasil Survei Kendaraan Bermotor (Utara-Selatan)

Pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Julius, Ahmad, dan Jono

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	543	197	5
06.15-06.30	682	219	9
06.30-06.45	691	224	6
06.45-07.00	755	192	8
07.00-07.15	604	237	8
07.15-07.30	592	219	8
07.30-07.45	750	242	4
07.45-08.00	597	214	7
08.00-08.15	644	309	9
08.15-08.30	780	242	12
08.30-08.45	793	210	5
08.45-09.00	750	206	4
12.00-12.15	614	209	6
12.15-12.30	703	222	6
12.30-12.45	684	217	5
12.45-13.00	671	239	9
13.00-13.15	690	216	11
13.15-13.30	753	207	9
13.30-13.45	719	219	5
13.45-14.00	691	221	4
14.00-14.15	758	217	8
14.15-14.30	849	206	7
14.30-14.45	892	196	8
14.45-15.00	718	227	8
17.00-17.15	723	183	6
17.15-17.30	784	214	7
17.30-17.45	801	246	5
17.45-18.00	761	215	7

Lanjutan lampiran 4

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	863	231	8
18.15-18.30	912	245	6
18.30-18.45	709	256	5
18.45-19.00	769	248	5
19.00-19.15	816	234	3
19.15-19.30	654	220	3
19.30-19.45	728	224	1
19.45-20.00	626	219	-



Lampiran 5 Data Asli Hasil Survei Kendaraan Bermotor (Utara-Selatan)

Pada Hari Sabtu, 31 Oktober 2009

Hari, Tanggal : 31 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Julius, Ahmad, dan Jono

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	612	168	6
06.15-06.30	689	195	11
06.30-06.45	732	204	9
06.45-07.00	839	194	4
07.00-07.15	701	197	12
07.15-07.30	693	211	5
07.30-07.45	714	171	6
07.45-08.00	860	170	4
08.00-08.15	811	209	7
08.15-08.30	765	196	6
08.30-08.45	820	187	10
08.45-09.00	819	202	6
12.00-12.15	643	158	11
12.15-12.30	712	174	9
12.30-12.45	658	167	4
12.45-13.00	802	175	6
13.00-13.15	713	236	7
13.15-13.30	609	231	9
13.30-13.45	614	220	7
13.45-14.00	578	225	4
14.00-14.15	628	241	6
14.15-14.30	691	246	8
14.30-14.45	772	233	5
14.45-15.00	765	236	7
17.00-17.15	569	169	5
17.15-17.30	692	191	8
17.30-17.45	727	186	12
17.45-18.00	824	197	3

Lanjutan lampiran 5

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	832	217	6
18.15-18.30	881	250	9
18.30-18.45	876	249	11
18.45-19.00	821	256	5
19.00-19.15	829	214	4
19.15-19.30	802	175	2
19.30-19.45	791	183	3
19.45-20.00	703	165	2



Lampiran 6 Data Asli Hasil Survei Kendaraan Bermotor (Utara-Selatan)

Pada Hari Minggu, 01 November 2009

Hari, Tanggal : 01 November 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Julius, Ahmad, dan Jono

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	652	138	4
06.15-06.30	793	139	7
06.30-06.45	845	141	9
06.45-07.00	903	143	7
07.00-07.15	681	149	5
07.15-07.30	709	162	8
07.30-07.45	698	156	4
07.45-08.00	819	167	9
08.00-08.15	723	173	11
08.15-08.30	756	201	8
08.30-08.45	791	184	6
08.45-09.00	869	254	6
12.00-12.15	653	203	4
12.15-12.30	578	194	7
12.30-12.45	709	228	9
12.45-13.00	744	218	8
13.00-13.15	612	221	6
13.15-13.30	508	235	9
13.30-13.45	591	248	5
13.45-14.00	605	254	10
14.00-14.15	589	270	4
14.15-14.30	677	244	8
14.30-14.45	754	228	9
14.45-15.00	763	219	8
17.00-17.15	580	262	7
17.15-17.30	632	272	11
17.30-17.45	708	296	9
17.45-18.00	608	323	4

Lanjutan lampiran 6

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	735	218	12
18.15-18.30	862	236	5
18.30-18.45	891	231	7
18.45-19.00	908	246	7
19.00-19.15	876	211	4
19.15-19.30	839	190	2
19.30-19.45	795	227	5
19.45-20.00	607	186	3



Lampiran 7 Data Asli Hasil Survei Waktu Tempuh Kendaraan Bermotor

(Selatan-Utara) pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Johan, Toni, dan Moris

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	19,32"	27,32"	27,53"
	20,57"	30,17"	29,18"
	21,60"	26,46"	28,23"
	21,07"	25,18"	30,32"
06.15-06.30	22,04"	29,11"	26,46"
	19,80"	28,51"	28,64"
	21,44"	26,03"	31,57"
	23,08"	30,26"	25,09"
06.30-06.45	22,79"	31,04"	28,11"
	20,65"	27,71"	26,34"
	21,13"	28,36"	30,21"
	20,35"	27,15"	28,19"
06.45-07.00	23,72"	29,47"	26,07"
	22,24"	30,84"	30,72"
	21,61"	25,16"	27,12"
	22,59"	32,91"	31,90"
07.00-07.15	19,32"	19,27"	34,46"
	17,64"	21,34"	39,32"
	20,14"	17,52"	37,23"
	18,53"	23,61"	38,22"
07.15-07.30	16,44"	18,19"	36,21"
	18,79"	22,03"	38,46"
	19,20"	20,42"	39,47"
	18,52"	19,07"	35,72"
07.30-07.45	20,48"	21,22"	35,11"
	17,67"	20,27"	39,10"
	18,46"	18,36"	36,14"
	16,27"	22,46"	38,27"

Lanjutan lampiran 7

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
07.45-08.00	19,80"	17,53"	37,17"
	18,73"	23,09"	36,28"
	20,21"	21,18"	38,31"
	15,64"	20,68"	40,53"
08.00-08.15	17,31"	25,17"	32,12"
	15,19"	29,08"	34,45"
	16,34"	31,00"	35,46"
	18,27"	28,28"	31,72"
08.15-08.30	14,22"	23,11"	34,54"
	19,30"	27,35"	32,62"
	13,45"	26,19"	33,71"
	16,24"	30,15"	35,24"
08.30-08.45	21,11"	24,46"	31,88"
	14,30"	28,51"	33,49"
	14,17"	26,02"	34,15"
	16,29"	27,34"	32,21"
08.45-09.00	19,35"	29,61"	30,47"
	15,09"	25,72"	35,61"
	13,47"	28,13"	34,80"
	16,06"	25,56"	33,21"
12.00-12.15	19,45"	30,08"	26,12"
	21,73"	32,13"	24,57"
	17,29"	29,19"	23,63"
	23,02"	31,24"	27,19"
12.15-12.30	20,17"	32,17"	28,24"
	22,46"	30,48"	22,80"
	23,18"	33,12"	25,10"
	19,67"	30,37"	26,39"

Lanjutan lampiran 7

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
12.30-12.45	18,83"	31,22"	24,17"
	21,04"	29,41"	23,19"
	22,35"	32,53"	27,20"
	19,22"	31,27"	25,41"
12.45-13.00	17,08"	32,47"	23,45"
	23,17"	30,16"	27,18"
	16,49"	33,03"	26,07"
	17,41"	32,89"	22,65"
13.00-13.15	17,32"	29,32"	27,63"
	16,35"	27,35"	31,51"
	21,23"	26,23"	32,42"
	19,46"	30,46"	26,28"
13.15-13.30	17,64"	28,48"	28,19"
	20,84"	30,61"	30,80"
	16,79"	25,51"	29,10"
	21,49"	29,17"	30,43"
13.30-13.45	15,48"	30,05"	28,37"
	20,66"	28,18"	29,46"
	16,51"	26,47"	31,82"
	19,16"	25,09"	26,71"
13.45-14.00	17,05"	31,14"	29,07"
	21,18"	27,34"	30,24"
	15,47"	29,25"	28,53"
	16,01"	28,63"	25,84"
14.00-14.15	17,42"	20,21"	33,09"
	15,33"	18,17"	31,27"
	14,61"	21,33"	32,23"
	18,09"	17,52"	29,45"

Lanjutan lampiran 7

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
14.15-14.30	20,17"	19,27"	34,18"
	13,49"	20,08"	33,26"
	15,57"	17,14"	30,43"
	19,23"	21,36"	34,11"
14.30-14.45	15,38"	18,42"	28,02"
	14,67"	19,56"	34,63"
	17,82"	20,63"	33,07"
	18,03"	18,23"	32,18"
14.45-15.00	13,45"	23,45"	33,25"
	17,28"	18,64"	32,06"
	15,19"	17,51"	33,19"
	19,23"	20,75"	32,54"
17.00-17.15	21,36"	21,34"	34,36"
	17,51"	27,09"	37,28"
	22,43"	22,17"	39,51"
	16,57"	23,06"	38,22"
17.15-17.30	20,62"	20,34"	38,47"
	18,11"	25,12"	36,80"
	19,27"	23,61"	39,10"
	21,09"	24,45"	35,22"
17.30-17.45	17,33"	22,19"	38,41"
	20,19"	21,22"	36,15"
	18,37"	25,08"	35,06"
	22,59"	26,16"	39,28"
17.45-18.00	16,47"	19,22"	37,09"
	19,08"	24,23"	36,17"
	17,68"	22,43"	38,11"
	22,05"	23,17"	36,61"

Lanjutan lampiran 7

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	23,07"	30,64"	32,17"
	21,36"	29,83"	34,26"
	24,02"	33,72"	33,81"
	20,54"	31,59"	35,09"
18.15-18.30	22,46"	32,47"	31,44"
	20,63"	30,63"	34,10"
	24,17"	31,45"	33,54"
	23,51"	33,07"	32,17"
18.30-18.45	21,27"	29,67"	34,16"
	24,12"	31,80"	32,34"
	22,49"	32,72"	35,41"
	20,18"	30,49"	31,07"
18.45-19.00	19,47"	33,58"	30,27"
	23,38"	29,62"	35,08"
	24,20"	30,57"	34,11"
	22,25"	32,31"	30,42"
19.00-19.15	17,39"	27,32"	41,00"
	19,23"	25,17"	45,19"
	21,47"	28,46"	45,20"
	15,68"	24,18"	46,18"
19.15-19.30	20,15"	26,11"	44,32"
	18,37"	27,51"	43,21"
	16,49"	25,03"	40,46"
	19,63"	26,29"	46,51"
19.30-19.45	17,34"	28,04"	46,07"
	16,51"	24,71"	44,11"
	20,48"	23,39"	42,39"
	18,26"	29,25"	47,18"
19.45-20.00	19,12"	25,47"	43,06"
	20,21"	27,84"	45,34"
	15,74"	26,36"	44,28"
	19,13"	23,11"	39,82"

Lampiran 8 Data Asli Hasil Survei Waktu Tempuh Kendaraan Bermotor

(Selatan-Utara) pada Hari Sabtu, 31 Oktober 2009

Hari, Tanggal : 31 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Johan, Toni, dan Moris

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	20,63"	35,62"	37,14"
	22,37"	36,51"	41,09"
	19,04"	34,78"	39,58"
	23,80"	37,29"	38,63"
06.15-06.30	18,46"	33,17"	40,12"
	24,10"	34,63"	42,54"
	21,75"	34,54"	37,11"
	22,49"	35,80"	38,02"
06.30-06.45	20,53"	37,47"	40,73"
	23,70"	33,81"	41,26"
	19,26"	36,09"	37,01"
	20,18"	34,12"	39,08"
06.45-07.00	22,78"	31,59"	42,00"
	21,09"	36,60"	37,31"
	19,12"	37,52"	38,62"
	22,14"	38,14"	38,24"
07.00-07.15	19,35"	32,31"	43,01"
	21,32"	29,19"	37,22"
	17,23"	31,28"	38,15"
	23,46"	29,60"	39,62"
07.15-07.30	20,84"	28,46"	38,07"
	22,64"	32,15"	42,11"
	23,79"	30,11"	35,67"
	19,49"	29,27"	40,07"
07.30-07.45	18,05"	31,08"	39,12"
	21,18"	28,17"	40,24"
	19,47"	32,49"	38,53"
	22,01"	30,56"	39,12"

Lanjutan lampiran 8

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
07.45-08.00	17,42"	29,30"	41,62"
	16,33"	33,19"	37,32"
	23,45"	30,23"	39,01"
	19,57"	28,85"	43,12"
08.00-08.15	16,28"	33,27"	37,29"
	19,45"	35,60"	35,16"
	18,19"	36,07"	36,25"
	18,23"	32,57"	37,08"
08.15-08.30	20,67"	37,04"	35,39"
	17,38"	31,80"	39,50"
	18,03"	34,08"	35,63"
	17,82"	35,44"	34,26"
08.30-08.45	16,49"	33,79"	33,24"
	19,71"	34,65"	37,32"
	20,51"	37,13"	38,29"
	18,23"	32,35"	36,47"
08.45-09.00	19,61"	33,72"	39,54"
	18,77"	30,24"	37,31"
	15,80"	37,61"	32,16"
	15,39"	35,52"	38,79"
12.00-12.15	20,44"	31,64"	35,20"
	23,53"	32,14"	33,98"
	25,19"	28,32"	32,31"
	24,63"	30,53"	36,14"
12.15-12.30	24,57"	29,41"	34,54"
	19,64"	28,79"	37,42"
	23,56"	30,20"	32,63"
	25,72"	32,51"	33,54"

Lanjutan lampiran 8

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
12.30-12.45	22,48"	32,48"	35,11"
	21,19"	29,67"	36,28"
	22,09"	31,46"	32,04"
	26,21"	29,27"	34,71"
12.45-13.00	27,34"	29,80"	37,19"
	21,71"	33,71"	31,22"
	22,53"	30,22"	33,45"
	24,21"	25,61"	34,80"
13.00-13.15	25,76"	42,31"	32,87"
	27,21"	36,19"	30,81"
	23,09"	38,34"	33,66"
	29,18"	40,27"	29,58"
13.15-13.30	31,23"	39,22"	31,45"
	26,11"	38,30"	34,52"
	28,19"	40,45"	28,27"
	30,70"	38,24"	32,35"
13.30-13.45	24,21"	41,33"	30,32"
	29,08"	38,30"	33,27"
	26,33"	40,17"	29,30"
	27,10"	39,29"	31,44"
13.45-14.00	25,87"	37,56"	30,46"
	28,03"	39,08"	32,31"
	28,16"	40,47"	31,49"
	25,91"	42,96"	29,18"
14.00-14.15	19,36"	31,64"	31,01"
	21,07"	25,83"	29,42"
	23,02"	27,72"	30,38"
	24,54"	26,59"	32,70"

Lanjutan lampiran 8

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
14.15-14.30	22,63"	30,46"	28,30"
	20,46"	29,63"	27,19"
	22,17"	28,45"	33,41"
	24,31"	30,07"	31,29"
14.30-14.45	23,12"	26,73"	29,11"
	20,49"	27,80"	30,94"
	22,73"	29,72"	32,48"
	21,46"	28,49"	28,62"
14.45-15.00	23,47"	31,58"	29,30"
	24,20"	26,28"	31,45"
	20,38"	27,58"	30,51"
	26,59"	27,75"	28,85"
17.00-17.15	18,39"	29,32"	37,14"
	16,23"	30,17"	35,06"
	17,48"	34,23"	36,23"
	15,68"	33,46"	39,01"
17.15-17.30	19,15"	34,18"	33,10"
	17,36"	30,64"	35,72"
	16,49"	35,51"	34,63"
	19,63"	31,29"	38,93"
17.30-17.45	18,34"	32,04"	37,46"
	16,51"	33,71"	36,52"
	15,48"	31,39"	39,18"
	18,26"	29,35"	35,07"
17.45-18.00	17,45"	34,47"	34,35"
	20,29"	33,84"	36,02"
	13,69"	32,36"	37,11"
	18,29"	28,92"	34,31"

Lanjutan lampiran 8

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	29,32"	34,04"	37,25"
	25,64"	32,71"	33,46"
	28,14"	33,62"	35,19"
	31,53"	29,15"	36,07"
18.15-18.30	23,44"	35,47"	34,10"
	27,36"	34,82"	37,23"
	26,20"	33,16"	33,62"
	30,52"	32,91"	35,18"
18.30-18.45	24,84"	34,53"	38,24"
	28,67"	35,09"	34,13"
	26,35"	31,82"	32,16"
	27,08"	30,68"	35,47"
18.45-19.00	29,80"	36,61"	33,08"
	25,73"	32,73"	37,46"
	28,11"	33,19"	36,15"
	24,39"	29,23"	35,85"
19.00-19.15	27,39"	33,27"	37,12"
	30,23"	31,05"	33,28"
	27,44"	29,18"	32,57"
	25,68"	34,72"	34,46"
19.15-19.30	26,34"	33,25"	36,51"
	26,51"	35,63"	31,28"
	28,42"	28,09"	35,04"
	29,63"	33,47"	34,57"
19.30-19.45	30,15"	31,64"	37,64"
	31,37"	34,51"	32,08"
	28,49"	31,08"	34,19"
	27,63"	29,11"	31,27"
19.45-20.00	29,08"	35,23"	36,62"
	30,12"	32,54"	33,72"
	32,44"	31,03"	34,15"
	24,28"	35,24"	35,58"

Lampiran 9 Data Asli Hasil Survei Waktu Tempuh Kendaraan Bermotor

(Selatan-Utara) pada Hari Minggu, 01 November 2009

Hari, Tanggal : 01 November 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Johan, Toni, dan Moris

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	20,19"	39,64"	40,11"
	21,46"	37,08"	42,06"
	23,17"	36,12"	41,30"
	24,26"	38,23"	39,46"
06.15-06.30	22,36"	40,16"	43,51"
	23,51"	35,23"	41,07"
	21,64"	36,35"	40,26"
	22,08"	38,12"	42,18"
06.30-06.45	24,02"	38,55"	38,53"
	20,69"	37,18"	44,18"
	19,53"	36,04"	40,23"
	25,01"	35,29"	39,32"
06.45-07.00	20,16"	40,17"	43,46"
	24,63"	34,27"	41,64"
	22,17"	35,46"	40,57"
	23,84"	34,59"	46,92"
07.00-07.15	21,48"	33,27"	47,34"
	19,52"	30,26"	45,21"
	17,63"	37,16"	46,19"
	23,07"	35,62"	40,11"
07.15-07.30	20,19"	33,78"	48,10"
	21,27"	34,62"	48,07"
	19,08"	37,31"	47,12"
	20,32"	32,39"	46,24"
07.30-07.45	23,14"	37,09"	47,28"
	17,53"	31,84"	46,35"
	18,64"	34,08"	45,06"
	22,48"	35,43"	44,21"

Lanjutan lampiran 9

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
07.45-08.00	21,09"	36,07"	49,18"
	19,25"	35,61"	46,19"
	21,60"	33,26"	45,26"
	17,55"	35,01"	45,85"
08.00-08.15	17,32"	31,46"	45,17"
	23,17"	26,28"	43,09"
	19,46"	31,58"	42,53"
	21,18"	27,59"	46,13"
08.15-08.30	22,11"	27,56"	44,62"
	18,51"	28,49"	47,33"
	20,63"	29,70"	41,02"
	19,26"	27,84"	42,54"
08.30-08.45	21,04"	26,75"	46,11"
	23,71"	25,83"	45,10"
	18,36"	27,64"	43,27"
	19,15"	26,58"	40,18"
08.45-09.00	20,47"	29,62"	47,22"
	22,84"	28,41"	45,09"
	20,16"	30,17"	44,26"
	14,87"	26,34"	43,86"
12.00-12.15	22,17"	33,25"	33,19"
	20,28"	32,06"	39,27"
	24,01"	33,19"	35,06"
	18,28"	32,54"	34,15"
12.15-12.30	21,35"	28,02"	37,51"
	22,19"	34,63"	35,24"
	20,47"	33,07"	38,32"
	21,30"	32,18"	37,18"

Lanjutan lampiran 9

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
12.30-12.45	23,64"	34,18"	38,47"
	19,02"	33,26"	36,84"
	24,34"	30,43"	34,16"
	18,46"	34,11"	35,91"
12.45-13.00	21,13"	33,09"	37,04"
	20,56"	31,27"	35,71"
	22,07"	32,43"	36,28"
	20,89"	30,37"	33,27"
13.00-13.15	19,21"	39,17"	32,64"
	23,17"	40,08"	35,46"
	18,33"	36,27"	38,46"
	24,52"	37,51"	39,30"
13.15-13.30	21,27"	38,46"	36,20"
	20,68"	40,44"	37,16"
	22,14"	35,19"	34,73"
	21,36"	36,32"	37,21"
13.30-13.45	23,47"	41,50"	39,15"
	19,56"	38,10"	33,06"
	24,63"	39,22"	35,42"
	18,43"	40,17"	37,12"
13.45-14.00	20,59"	36,53"	36,05"
	22,34"	37,08"	38,19"
	21,22"	39,01"	34,24"
	18,28"	35,51"	36,73"
14.00-14.15	21,34"	34,22"	43,15"
	19,80"	32,18"	41,09"
	18,16"	33,46"	44,28"
	22,06"	30,34"	40,23"

Lanjutan lampiran 9

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
14.15-14.30	20,43"	35,28"	42,32"
	19,12"	34,09"	45,11"
	21,61"	32,15"	39,10"
	18,45"	35,37"	40,72"
14.30-14.45	22,19"	30,48"	44,63"
	20,22"	35,47"	42,48"
	19,08"	33,64"	41,53"
	21,63"	30,26"	43,17"
14.45-15.00	19,24"	34,65"	43,20"
	21,43"	35,46"	41,28"
	22,17"	33,80"	42,65"
	20,27"	31,31"	38,98"
17.00-17.15	23,64"	35,32"	46,32"
	19,83"	33,17"	44,51"
	21,72"	37,46"	47,18"
	20,59"	31,19"	43,20"
17.15-17.30	22,47"	34,12"	45,17"
	18,63"	32,53"	48,03"
	24,52"	36,07"	42,16"
	21,07"	34,28"	45,08"
17.30-17.45	23,67"	36,05"	40,19"
	19,80"	31,47"	47,23"
	18,72"	35,47"	46,49"
	24,49"	34,25"	47,13"
17.45-18.00	20,58"	35,29"	45,01"
	22,62"	37,42"	46,18"
	21,10"	30,63"	44,25"
	14,47"	36,48"	50,51"

Lanjutan lampiran 9

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	24,11"	37,09"	44,08"
	25,51"	35,42"	42,19"
	23,17"	33,17"	41,01"
	26,18"	38,09"	45,26"
18.15-18.30	22,32"	37,42"	43,11"
	27,51"	36,11"	40,36"
	25,04"	39,63"	45,18"
	26,28"	35,45"	44,15"
18.30-18.45	26,77"	34,27"	46,51"
	22,03"	37,22"	41,46"
	23,15"	35,08"	42,62"
	25,63"	36,28"	44,72"
18.45-19.00	27,12"	38,21"	42,61"
	26,41"	34,01"	43,52"
	25,67"	36,19"	40,14"
	12,06"	39,56"	44,12"
19.00-19.15	21,09"	35,64"	43,17"
	19,83"	33,87"	44,12"
	22,46"	31,72"	39,20"
	18,53"	37,59"	45,16"
19.15-19.30	20,44"	34,22"	41,35"
	18,51"	36,01"	45,46"
	22,10"	32,47"	45,08"
	19,68"	33,80"	46,11"
19.30-19.45	21,70"	35,07"	43,02"
	23,46"	34,61"	40,14"
	18,39"	36,19"	44,07"
	19,22"	30,28"	46,20"
19.45-20.00	20,43"	37,58"	42,13"
	21,56"	33,25"	44,50"
	19,07"	34,42"	47,32"
	21,85"	30,48"	50,33"

Lampiran 10 Data Asli Hasil Survei Waktu Tempuh Kendaraan Bermotor

(Utara- Selatan) pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Doni, Rahas, dan Eko

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
06.00-06.15	21,36"	31,27"	40,47"
	23,07"	37,08"	38,84"
	24,02"	36,35"	39,16"
	20,54"	40,13"	37,91"
06.15-06.30	22,63"	33,14"	41,04"
	20,46"	34,27"	44,71"
	23,17"	46,63"	38,36"
	24,51"	35,27"	37,15"
06.30-06.45	21,12"	37,09"	37,11"
	24,49"	33,12"	39,51"
	22,27"	36,16"	40,03"
	20,18"	34,32"	38,26"
06.45-07.00	19,47"	35,18"	41,32"
	23,20"	36,19"	37,17"
	22,38"	34,27"	39,46"
	22,33"	37,45"	39,26"
07.00-07.15	17,39"	33,18"	30,27"
	19,23"	32,37"	33,52"
	15,47"	33,14"	34,61"
	21,68"	32,45"	31,44"
07.15-07.30	20,15"	34,20"	32,19"
	18,37"	28,63"	34,03"
	19,49"	33,42"	30,42"
	16,63"	32,11"	31,07"
07.30-07.45	16,34"	31,57"	33,27"
	17,51"	32,63"	30,22"
	18,48"	29,07"	31,36"
	20,26"	33,18"	31,46"

Lanjutan lampiran 10

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
07.45-08.00	19,12"	34,25"	34,59"
	20,74"	33,06"	30,89"
	15,21"	30,19"	33,18"
	13,69"	32,07"	36,20"
08.00-08.15	18,12"	23,19"	27,08"
	16,43"	27,24"	29,13"
	17,28"	30,17"	30,19"
	19,03"	26,46"	26,24"
08.15-08.30	15,19"	29,15"	28,47"
	17,23"	25,63"	27,18"
	16,32"	31,70"	29,12"
	19,46"	28,43"	28,37"
08.30-08.45	16,13"	29,55"	30,22"
	18,22"	25,28"	26,41"
	15,08"	28,47"	25,27"
	18,44"	25,36"	31,53"
08.45-09.00	17,46"	24,09"	28,47"
	20,23"	26,35"	26,16"
	14,75"	28,14"	27,03"
	13,43"	30,95"	35,13"
12.00-12.15	17,32"	29,07"	37,08"
	14,64"	31,14"	35,17"
	18,14"	33,08"	37,01"
	15,53"	27,23"	38,26"
12.15-12.30	13,44"	28,11"	33,11"
	20,79"	32,15"	35,36"
	15,20"	30,24"	39,18"
	19,52"	29,03"	34,15"

Lanjutan lampiran 10

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
12.30-12.45	15,48"	31,26"	36,51"
	17,67"	28,16"	38,46"
	14,46"	32,17"	34,62"
	18,27"	30,28"	35,47"
12.45-13.00	13,80"	32,12"	37,61"
	15,73"	29,08"	36,72"
	17,21"	31,27"	35,14"
	16,16"	29,77"	35,35"
13.00-13.15	19,39"	24,28"	38,32"
	17,23"	28,17"	36,35"
	20,47"	26,09"	35,23"
	18,68"	30,19"	39,46"
13.15-13.30	16,34"	29,23"	40,48"
	19,51"	25,32"	34,61"
	18,48"	31,42"	37,51"
	18,26"	28,19"	36,17"
13.30-13.45	17,15"	29,13"	38,05"
	20,37"	25,24"	39,18"
	18,49"	28,17"	35,47"
	16,63"	25,34"	37,09"
13.45-14.00	19,21"	23,45"	36,14"
	20,12"	27,42"	38,34"
	18,74"	30,15"	36,27"
	17,09"	21,81"	36,53"
14.00-14.15	17,35"	22,10"	24,22"
	20,32"	24,25"	22,17"
	16,23"	23,37"	23,45"
	21,46"	20,46"	25,33"

Lanjutan lampiran 10

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
14.15-14.30	16,84"	26,63"	21,27"
	17,64"	24,54"	23,08"
	21,79"	22,08"	26,14"
	19,49"	23,16"	21,36"
14.30-14.45	20,05"	25,41"	22,49"
	15,18"	21,29"	25,46"
	16,47"	21,36"	21,63"
	19,01"	24,57"	23,25"
14.45-15.00	17,48"	25,13"	23,64"
	21,66"	22,19"	24,51"
	15,16"	23,47"	22,45"
	12,83"	24,55"	26,99"
17.00-17.15	13,28"	25,19"	30,32"
	17,45"	26,07"	28,17"
	15,19"	28,11"	29,46"
	19,23"	29,28"	31,18"
17.15-17.30	15,67"	27,46"	27,11"
	14,38"	30,53"	30,51"
	17,03"	24,13"	28,03"
	18,82"	27,24"	29,26"
17.30-17.45	20,49"	28,01"	31,04"
	13,17"	26,47"	27,13"
	15,57"	29,54"	28,37"
	19,23"	25,08"	29,25"
17.45-18.00	15,33"	30,19"	30,47"
	17,42"	25,37"	28,74"
	14,61"	26,16"	29,63"
	17,77"	26,37"	25,81"

Lanjutan lampiran 10

Jam (menit)	Sepeda Motor (MC)	Kend Ringan (LV)	Kend Berat (HV)
18.00-18.15	19,44"	40,17"	37,09"
	23,32"	34,25"	35,43"
	22,19"	35,46"	34,17"
	24,63"	39,53"	38,06"
18.15-18.30	23,57"	38,51"	36,44"
	21,64"	37,18"	35,12"
	24,56"	36,04"	37,61"
	20,72"	35,28"	38,45"
18.30-18.45	22,48"	39,64"	34,19"
	20,19"	37,08"	36,22"
	24,09"	36,11"	39,08"
	23,21"	38,27"	35,16"
18.45-19.00	21,29"	40,15"	34,22"
	24,71"	35,26"	36,34"
	22,53"	36,37"	35,21"
	22,87"	38,14"	33,53"
19.00-19.15	17,76"	33,25"	40,64"
	16,21"	32,06"	35,83"
	23,09"	33,19"	36,72"
	17,18"	32,54"	38,59"
19.15-19.30	20,23"	28,02"	37,43"
	23,11"	34,63"	36,47"
	22,19"	33,07"	35,61"
	19,07"	32,18"	39,07"
19.30-19.45	18,21"	34,11"	40,61"
	22,08"	30,43"	35,80"
	21,33"	33,26"	36,72"
	19,42"	34,18"	37,49"
19.45-20.00	19,28"	33,09"	39,58"
	17,03"	31,27"	36,25"
	23,16"	32,23"	35,31"
	29,13"	31,21"	31,64"

Lampiran 11 Data Asli Hasil Survei Hambatan Samping (Selatan-Utara)

Pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Gianto, Wawan, dan Supri

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	96	31	64	2
06.15-06.30	107	62	112	4
06.30-06.45	114	104	103	3
06.45-07.00	100	35	63	2
07.00-07.15	83	39	57	-
07.15-07.30	61	60	68	2
07.30-07.45	54	48	70	1
07.45-08.00	51	64	53	2
08.00-08.15	69	39	47	2
08.15-08.30	54	40	50	3
08.30-08.45	43	31	41	1
08.45-09.00	44	37	41	-
12.00-12.15	47	43	52	1
12.15-12.30	52	57	68	1
12.30-12.45	38	68	74	2
12.45-13.00	43	42	66	1
13.00-13.15	76	37	72	3
13.15-13.30	112	46	61	2
13.30-13.45	69	53	60	1
13.45-14.00	65	43	59	3
14.00-14.15	56	37	63	-
14.15-14.30	40	42	67	1
14.30-14.45	37	48	58	2
14.45-15.00	32	35	57	1
17.00-17.15	39	43	69	1
17.15-17.30	47	56	60	2
17.30-17.45	30	47	59	4

Lanjutan lampiran 11

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	57	46	68	-
18.00-18.15	54	52	75	3
18.15-18.30	62	98	62	4
18.30-18.45	97	59	83	2
18.45-19.00	40	47	65	6
19.00-19.15	32	31	61	3
19.15-19.30	41	28	54	1
19.30-19.45	28	33	49	2
19.45-20.00	25	25	71	-

Lampiran 12 Data Asli Hasil Survei Hambatan Samping (Selatan-Utara)

Pada Hari Sabtu, 31 Oktober 2009

Hari, Tanggal : 31 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Gianto, Wawan, dan Supri

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	87	61	77	2
06.15-06.30	132	78	114	5
06.30-06.45	149	83	145	4
06.45-07.00	174	67	154	5
07.00-07.15	112	62	109	1
07.15-07.30	106	55	87	3
07.30-07.45	90	48	63	2
07.45-08.00	99	50	61	3
08.00-08.15	80	47	57	2
08.15-08.30	87	38	49	1
08.30-08.45	76	49	56	3
08.45-09.00	83	45	52	2
12.00-12.15	94	61	58	3
12.15-12.30	120	54	64	4
12.30-12.45	135	62	70	1
12.45-13.00	129	48	60	3
13.00-13.15	201	36	62	4
13.15-13.30	139	50	59	6
13.30-13.45	122	67	58	2
13.45-14.00	102	76	44	5
14.00-14.15	143	63	53	2
14.15-14.30	118	72	64	4
14.30-14.45	97	64	119	1
14.45-15.00	93	58	56	5
17.00-17.15	84	38	43	2
17.15-17.30	60	49	61	1
17.30-17.45	57	35	47	3

Lanjutan lampiran 12

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	66	64	38	4
18.00-18.15	86	47	53	7
18.15-18.30	104	39	62	3
18.30-18.45	81	55	69	4
18.45-19.00	101	79	133	6
19.00-19.15	83	42	81	1
19.15-19.30	65	32	52	9
19.30-19.45	89	40	34	7
19.45-20.00	79	31	41	1

Lampiran 13 Data Asli Hasil Survei Hambatan Samping (Selatan-Utara)

Pada Hari Minggu, 01 November 2009

Hari, Tanggal : 01 November 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Gianto, Wawan, dan Supri

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	63	21	19	2
06.15-06.30	112	24	18	7
06.30-06.45	137	23	22	9
06.45-07.00	68	25	17	5
07.00-07.15	94	27	27	3
07.15-07.30	108	24	31	1
07.30-07.45	61	31	26	4
07.45-08.00	54	22	31	7
08.00-08.15	63	27	28	2
08.15-08.30	47	34	37	6
08.30-08.45	58	31	29	2
08.45-09.00	71	36	35	4
12.00-12.15	68	39	54	5
12.15-12.30	53	54	78	7
12.30-12.45	74	47	72	2
12.45-13.00	73	40	61	5
13.00-13.15	60	32	43	4
13.15-13.30	71	39	28	1
13.30-13.45	59	41	33	3
13.45-14.00	66	32	31	3
14.00-14.15	72	21	28	1
14.15-14.30	109	14	43	7
14.30-14.45	68	17	36	2
14.45-15.00	47	6	30	3
17.00-17.15	59	21	27	2
17.15-17.30	75	32	31	1
17.30-17.45	68	29	28	4

Lanjutan lampiran 13

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	52	27	32	3
18.00-18.15	76	34	34	7
18.15-18.30	114	51	41	3
18.30-18.45	97	42	28	2
18.45-19.00	98	48	47	6
19.00-19.15	96	56	49	7
19.15-19.30	105	63	55	2
19.30-19.45	70	31	26	5
19.45-20.00	64	28	23	3

Lampiran 14 Data Asli Hasil Survei Hambatan Samping (Utara- Selatan)

Pada Hari Selasa, 27 Oktober 2009

Hari, Tanggal : 27 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Iksan, Hendri, dan Yoko

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	92	50	86	1
06.15-06.30	127	64	132	5
06.30-06.45	131	48	140	3
06.45-07.00	106	51	115	5
07.00-07.15	122	47	102	4
07.15-07.30	135	56	67	3
07.30-07.45	102	48	80	6
07.45-08.00	94	61	77	4
08.00-08.15	62	38	69	3
08.15-08.30	57	49	58	1
08.30-08.45	49	52	81	2
08.45-09.00	47	45	45	2
12.00-12.15	63	51	63	4
12.15-12.30	115	102	84	6
12.30-12.45	134	67	79	2
12.45-13.00	111	70	83	5
13.00-13.15	98	68	61	2
13.15-13.30	101	60	57	1
13.30-13.45	90	52	48	4
13.45-14.00	87	51	53	5
14.00-14.15	86	60	63	2
14.15-14.30	53	58	59	3
14.30-14.45	90	62	48	4
14.45-15.00	95	50	60	6
17.00-17.15	92	49	57	2
17.15-17.30	88	53	64	1
17.30-17.45	97	41	65	3

Lanjutan lampiran 14

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	74	51	60	3
18.00-18.15	84	48	72	2
18.15-18.30	76	54	80	1
18.30-18.45	92	60	75	7
18.45-19.00	82	54	74	4
19.00-19.15	63	37	53	8
19.15-19.30	58	28	48	1
19.30-19.45	61	31	43	2
19.45-20.00	66	22	47	4

Lampiran 15 Data Asli Hasil Survei Hambatan Samping (Utara- Selatan)

Pada Hari Sabtu, 31 Oktober 2009

Hari, Tanggal : 31 Oktober 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Iksan, Hendri, dan Yoko

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	82	62	76	2
06.15-06.30	125	95	94	6
06.30-06.45	132	81	85	5
06.45-07.00	92	86	74	2
07.00-07.15	87	42	63	1
07.15-07.30	102	57	57	2
07.30-07.45	98	38	42	1
07.45-08.00	93	47	55	-
08.00-08.15	64	31	48	2
08.15-08.30	57	48	51	3
08.30-08.45	68	39	36	1
08.45-09.00	57	46	61	3
12.00-12.15	69	27	73	4
12.15-12.30	81	35	80	2
12.30-12.45	70	40	69	1
12.45-13.00	78	33	64	4
13.00-13.15	53	29	58	3
13.15-13.30	62	37	79	1
13.30-13.45	74	25	62	2
13.45-14.00	58	42	66	1
14.00-14.15	49	38	61	4
14.15-14.30	38	56	57	1
14.30-14.45	45	37	63	2
14.45-15.00	40	41	77	-
17.00-17.15	36	33	60	2
17.15-17.30	28	41	53	1
17.30-17.45	47	38	44	3

Lanjutan lampiran 15

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	52	47	56	2
18.00-18.15	56	74	77	4
18.15-18.30	42	69	63	1
18.30-18.45	46	51	81	2
18.45-19.00	47	75	70	3
19.00-19.15	63	67	63	5
19.15-19.30	59	53	59	7
19.30-19.45	60	72	58	2
19.45-20.00	51	60	42	2

Lampiran 16 Data Asli Hasil Survei Hambatan Samping (Utara- Selatan)

Pada Hari Minggu, 01 November 2009

Hari, Tanggal : 01 November 2009

Lokasi : Jalan Prof. Dr. Ir Herman Yohanes Yogyakarta

Surveyor : Iksan, Hendri, dan Yoko

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
06.00-06.15	87	54	59	4
06.15-06.30	132	78	80	12
06.30-06.45	117	64	61	33
06.45-07.00	90	72	58	41
07.00-07.15	87	53	43	15
07.15-07.30	102	36	56	7
07.30-07.45	81	41	62	6
07.45-08.00	66	32	41	10
08.00-08.15	58	30	32	3
08.15-08.30	62	45	27	7
08.30-08.45	45	27	30	4
08.45-09.00	52	35	28	5
12.00-12.15	54	25	34	1
12.15-12.30	63	34	55	5
12.30-12.45	47	27	63	3
12.45-13.00	63	33	49	-
13.00-13.15	34	19	27	1
13.15-13.30	26	24	31	2
13.30-13.45	33	22	46	1
13.45-14.00	31	22	44	-
14.00-14.15	25	21	32	2
14.15-14.30	27	18	49	-
14.30-14.45	20	23	43	1
14.45-15.00	18	17	28	-
17.00-17.15	24	29	33	4
17.15-17.30	37	30	36	3
17.30-17.45	38	27	28	2

Lanjutan lampiran 16

Jam	Pejalan kaki (PED)	Kendaraan berhenti dan parakir (PSV)	Kendaraan masuk dan keluar (EEV)	Kendaraan lambat (SMV)
17.45-18.00	58	34	32	3
18.00-18.15	41	26	41	6
18.15-18.30	59	30	31	3
18.30-18.45	34	28	36	1
18.45-19.00	29	31	43	5
19.00-19.15	56	41	49	2
19.15-19.30	47	35	63	1
19.30-19.45	33	42	58	1
19.45-20.00	43	33	47	-