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Lampiran 1 Contoh Hasil Tracking Kecepatan Kendaraan

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	DATA TRACKING KECEPATAN KENDARAAN														
2															
3															
4															
5	Header	Name	Start Time	Elapsed Time	Length										
6	Track	tmp	08/06/23 07:47	01:19:55	30,6										
7				2:59:25	68,10		2,9902778								
8	Kode Bus	TB L18													
9	Total Waktu	1:22													
10	Total Jarak	Chart Area													
11	Kecepatan rata-rata	22,97													
12															
13	Header	Position	Date	Time	Altitude (m)	Depth	Temperature	Leg Length (m)	Leg Time	Time (sec)	Speed (km/h)	Leg Course	Speed (m/s)	a (m/s ²)	Keterangan
14															
15	Trackpoint	S5 09.577 E1	08/06/23 00:00	07:47:57	14	0,278				0	0		0	0	Diam
16	Trackpoint	S5 09.579 E1	08/06/23 00:00	07:48:02	13			6	00:00:05	1	10	134- true	2,78	2,78	Percepatan
17	Trackpoint	S5 09.581 E1	08/06/23 00:00	07:48:10	12			5	00:00:08	2	13	127- true	0,556	-2,224	Perlambatan
18	Trackpoint	S5 09.584 E1	08/06/23 00:00	07:48:26	12			5	00:00:16	3	15	207- true	4,17	3,614	Percepatan
19	Trackpoint	S5 09.587 E1	08/06/23 00:00	07:48:32	12			6	00:00:06	4	30	191- true	1,112	-3,058	Perlambatan
20	Trackpoint	S5 09.589 E1	08/06/23 00:00	07:48:38	12			5	00:00:06	5	28	162- true	7,784	6,672	Percepatan
21	Trackpoint	S5 09.592 E1	08/06/23 00:00	07:48:44	11			6	00:00:06	6	20	176- true	1,668	-6,116	Perlambatan
22	Trackpoint	S5 09.595 E1	08/06/23 00:00	07:48:49	11			6	00:00:05	7	19	167- true	5,282	3,614	Percepatan
23	Trackpoint	S5 09.598 E1	08/06/23 00:00	07:48:53	11			5	00:00:04	8	18	171- true	2,224	-3,058	Perlambatan
24	Trackpoint	S5 09.601 E1	08/06/23 00:00	07:48:58	10			5	00:00:05	9	17	162- true	4,726	2,502	Percepatan
25	Trackpoint	S5 09.604 E1	08/06/23 00:00	07:49:03	10			6	00:00:05	10	15	185- true	2,78	-1,946	Perlambatan
26	Trackpoint	S5 09.607 E1	08/06/23 00:00	07:49:09	10			6	00:00:06	11	13	203- true	3,614	0,834	Percepatan
27	Trackpoint	S5 09.609 E1	08/06/23 00:00	07:49:13	10			5	00:00:04	12	7	208- true	3,336	-0,278	Perlambatan
28	Trackpoint	S5 09.611 E1	08/06/23 00:00	07:49:28	10			5	00:00:15	13	5	230- true	1,39	-1,946	Perlambatan
29	Trackpoint	S5 09.614 E1	08/06/23 00:00	07:49:34	9			5	00:00:06	14	11	173- true	3,892	2,502	Percepatan
30	Trackpoint	S5 09.617 E1	08/06/23 00:00	07:49:43	8			5	00:00:09	15	13	167- true	3,614	-0,278	Perlambatan
31	Trackpoint	S5 09.619 E1	08/06/23 00:00	07:49:57	12			5	00:00:14	16	18	170- true	4,448	0,834	Percepatan



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2	DATA TRACKING KECEPATAN KENDARAAN														
3															
4															
5	Grid	Lat/Lon hddd°mm.mmm'													
6	Datum	WGS 84													
7															
8	Header	Name	Start Time	Elapsed T	Length	Average S	Link								
9															
10	Track	13/06/23 13:02		01:12:07	26,4	21,96									
11	Kode Bus	TB 1 12													
12	Total Wal	1,20													
13	Total Jara	26,4													
14	Kecepatan	21,9644													
15															
16	Header	Position	Date	Time	Altitude (m)	Depth	Temperature	Length (m)	Leg Time	Speed (km/h)	Leg Course	Speed (m/s)	a (m/s²)	Ceterangan	
17															
18	Trackpoint	S5 09.401	13/06/23 00:00	13:02:09	39	0,278		0		0		0	0	Diam	
19	Trackpoint	S5 09.396	13/06/23 00:00	13:02:13	38			30	00:00:04	7	288° true	1,946	1,946	Percepatan	
20	Trackpoint	S5 09.391	13/06/23 00:00	13:02:17	37			28	00:00:04	14	288° true	3,892	1,946	Percepatan	
21	Trackpoint	S5 09.389	13/06/23 00:00	13:02:21	36			32	00:00:04	21	277° true	5,838	1,946	Percepatan	
22	Trackpoint	S5 09.388	13/06/23 00:00	13:02:25	34			30	00:00:04	27	273° true	7,506	1,668	Percepatan	
23	Trackpoint	S5 09.387	13/06/23 00:00	13:02:29	32			23	00:00:04	21	275° true	5,838	-1,668	Perlambatan	
24	Trackpoint	S5 09.385	13/06/23 00:00	13:02:33	29			27	00:00:04	24	280° true	6,672	0,834	Percepatan	
25	Trackpoint	S5 09.381	13/06/23 00:00	13:02:37	28			33	00:00:04	30	282° true	8,34	1,668	Percepatan	
			13/06/23 00:00	13:02:41	28			34	00:00:04	31	282° true	8,618	0,278	Percepatan	
			13/06/23 00:00	13:02:45	26			25	00:00:04	29	279° true	8,062	-0,556	Perlambatan	
			13/06/23 00:00	13:02:48	21			22	00:00:04	15	278° true	1,117	0,000	Perlambatan	



3 2 05_13 JUNI_INTERVAL PG

3. TB 2 10_13 JUNI_INTERVAL SG

4. TB 2 11_13 JUNI_INTERVAL SG ...



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O										
1	DATA TRACKING KECEPATAN KENDARAAN																								
2																									
3																									
4																									
5	Grid	Lat/Lon hddd°mm.mmm'																							
6	Datum	WGS 84																							
7																									
8	Header	Name	Start Time	Elapsed Time	Length	Chart Area (Category) Axis Title																			
9																									
10	Track	14/06/23 15:35 01:11:22 23,3																							
11	Kode Bus	TB 3_16																							
12	Total Waktu	1,19																							
13	Total Jarak	23,306																							
14	Kecepatan	19,6																							
15																									
16	Header	Position	Date	Time	Altitude	Depth	Temperature	Leg Length	Leg Time	Leg Speed	Leg Course	Speed (m/s)	Acc (m/s²)	Keterangan											
17																									
18	Trackpoint	S5 08.661	14/06/23 00:00	15:35:06	7	0,278				0		0	0	Diam											
19	Trackpoint	S5 08.658	14/06/23 00:00	15:40:07	6			7	00:05:01	7	334° true	1,946	1,946	Percepatan											
20	Trackpoint	S5 08.655	14/06/23 00:00	15:40:09	6			5	00:00:02	9	342° true	2,502	0,556	Percepatan											
21	Trackpoint	S5 08.652	14/06/23 00:00	15:40:11	6			7	00:00:02	12	342° true	3,336	0,834	Percepatan											
22	Trackpoint	S5 08.645	14/06/23 00:00	15:40:11	6			13	00:00:03	16	342° true	4,118	1,118	Percepatan											

3. TB 3 15_14_JUNI_2023_INT SR

4. TB 3 16_14_JUNI_2023_INT SR

REKAPITULASI DC Koridor 3

F ...



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	DATA TRACKING KECEPATAN KENDARAAN														
2															
3															
4															
5	Header	Nae	Start Tie	Elapsed Ti	Length	Average S	Link								
6															
7	Track	tp	16/06/23 15:29	00:34:52	15	26									
8	Kode Bus	TB 4_02													
9	Total Wak	0,58													
10	Total Jaral	15,00													
11	Kecepatan	25,81													
12															
13	Header	Position	Date	Time	Altitude (m)	Depth	Temperature	Length	Leg Time	Speed (km)	Leg Course	Speed (m)	a (m/s ²)	Keterangan	
14															
15	Trackpoint	S5 13.982	16/06/23 00:00	15:29:55	13	0,278				0		0	0	Diam	
16	Trackpoint	S5 13.999	16/06/23 00:00	15:29:59	17			32	00:00:04	3	172° true	0,834	0,834	Percepatan	
17	Trackpoint	S5 14.019	16/06/23 00:00	15:30:04	19			39	00:00:05	8	205° true	2,224	1,39	Percepatan	
18	Trackpoint	S5 14.033	16/06/23 00:00	15:30:08	17			39	00:00:04	15	227° true	4,17	1,946	Percepatan	
19	Trackpoint	S5 14.043	16/06/23 00:00	15:30:12	16			39	00:00:04	13	240° true	3,614	-0,556	Perlambatan	
20	Trackpoint	S5 14.049	16/06/23 00:00	15:30:16	15			38	00:00:04	9	253° true	2,502	-1,112	Perlambatan	
21	Trackpoint	S5 14.048	16/06/23 00:00	15:30:20	16			38	00:00:04	12	275° true	3,336	0,834	Percepatan	
22	Trackpoint	S5 14.033	16/06/23 00:00	15:30:24	15			38	00:00:04	12	275° true	3,336	0,834	Percepatan	

3. TB IV 02_16 JUNI_INTV SORE

REKAPITULASI DC Koridor 4

Rekapitulasi Emisi Koridor 4



Accessibility: Investigate



Optimized using
trial version
www.balesio.com

Lampiran 2 Nama Halte Setiap Koridor

A. Koridor 1

No	Koridor	Rute	Nama Halte
1	Koridor 1	<i>Panakukang Square – Pelabuhan Galesong</i>	<i>Panakukang Square</i>
2			BCA
3			Grand Maleo Hotel
4			Buguri Pelita Makassar
5			Galaxy Accessories
6			Masjid Haji Muhammad Ali
7			Hotel Gunung Mas
8			Osaka (Top Murah)
9			Alfamart Jl. Rusa
10			Bosowa School
11			Waroeng Steak And Shake
12			Hotel Melia
13			Kumala Group
14			Kantor BPS
15			Lego-Lego
16			R.S Siloam
17			Celebes Convention Center 1
18			Hotel Gammara
19			Water Front City
20			Trans Studio Mall 1
21			Simpang GTC
22			Mall GTC
23			Kuliner Tanjung Bunga
24			Simpang Politeknik Pariwisata Makassar
25			Alfamidi Metro Tanjung Bunga Blok H
26			Amarylis Residence
27			Green River View
28			Stadion Barombong
			Barombong Residence
			Klinik Multi Sehat
			Ville Park
			Puskesmas Aeng Towa
			R.S Galesong



No	Koridor	Rute	Nama Halte
34			Alfamart Poros Galesong Utara
35			Donat Kampar Galesong
36			Polsek Galesong Utara
37			UD Ifah
38			Simpang Villa Saung Beba
39			Simpang PPI Beba
40			Simpang Empat Campagaya
41			SPBU Kalongkong
42			Zam-Zam Residence
43			Kampoeng Gale Café
44			Tailor Linda (Poros Galesong Utara)
45			Lapangan Larigau
46			Puskesmas Galesong
47			Indomaret Poros Galesong Boddia
48			Masjid Nurul Mubarak
49			SMK Negeri 1 Takalar
50			Pelabuhan Galesong
51		Pelabuhan Galesong – <i>Panakukang Square</i>	Pelabuhan Galesong
52			SMK Negeri 1 Takalar 2
53			Masjid Nurul Mubarak 2
54			Indomaret Poros Galesong Boddia 2
55			Puskesmas Galesong 2
56			Polsek Galeong Selatan
57			Masjid Palalakkang
58			SDN 135 Inpres Parasangan Beru
59			Dapur Ocha
60			Pasar Kalongkong
61			SDN 019 Inpres Bontosunggu
			Simpang PPI Beba 2
			Cahaya Baru Galesong
			Alfamidi Galesong Utara
			Pantai Wisata Galesong



No	Koridor	Rute	Nama Halte
66			Klinik Afandi
67			R.S. Galesong 2
68			Majid Jami Nurul Muhajril
69			Puskesmas Aeng Towa
70			Masjid Al-Muttahdah
71			Barombong Permai
72			Toko Anugerah Sejahtera
73			Halte BP2IP
74			Alfamart Green R Barombong
75			The Clove Residence Tanjung Bunga
76			Rafflesia Residence Metro
77			Pantai Anging Mammiri
78			Colonial Hotel
79			Pantai Akkarena
80			Market Plaza
81			Bank Mega Tower
82			Holywings Tanjung Bunga
83			Upperhills Convention Hall
84			Celebes Convention Center 2
85			Lego-Lego 2
86			Pantai Losari
87			Makassar Golden Hotel
88			Toko Oleh-Oleh Khas Makassar
89			Kantor Pos Indonesia
90			Balai Kota Makassar
91			SMA Frater
92			PT Taspen
93			RSIA Catherine Booth
94			SMK 8 Makassar
			Toko Buku Dunia Ilmu
			Sequis
			Pasar Maricaya
			Trend Bangunan
			Raja Durian



No	Koridor	Rute	Nama Halte
100			Laboratorium KIPM
101			Hotel Four Point
102			Pascasarjana UNM
103			LPMP
104			Bank Mandiri
105			<i>Panakukang Square</i>

B. Koridor 2

No	Koridor	Rute	Nama Halte
1	Koridor 2	Mall Panakukang – Bandar Udara Sultan Hasanuddin	Mall Panakukang
2			Carefour Transmarket
3			Pasar Panakukang
4			RS Hermina
5			Batua Raya 176 (Air Minum Elim)
6			Apotek Berkah Anugerah
7			Indomaret Batua 7
8			SMA Negeri 5 Makassar
9			Balai Latihan Kerja Makassar
10			Taman Makam Pahlawan
11			Asrama Polisi Panaikang
12			Perum Bulog
13			GPIB Mangngmaseang
14			Mall Makassar Town Square
15			Universitas Islam Makassar
16			Universitas Dipa Makassar
17			Padaidi Medical Center
18			Dinas Pendidikan
19			UNHAS Pintu II
20			Dinas Kesehatan Provinsi
21			PO Bus Borlindo Mandiri Jaya
			Citraland Tallasa City
			Gudang 6
			Pergudangan Parangloe
			MAKASSAR TENE 1



No	Koridor	Rute	Nama Halte
26			Simpang Tallasa City
27			HINO
28			Gudang 99
29			Bira
30			Jalan Cabang Al Syafaat Sutami
31			Simpang Salodong Sutami
32			Simpang Bontomanai Sutami
33			Gudang 45
34			McDonalds Summarecon Mutiarra
35			Simpang Caddika Sutami
36			Pergudangan 88 Patene
37			Simpang Poros Patene Sutami
38			Pintu Masuk Bandara Sultan Hasanuddin
39		Bandar Udara Sultan Hasanuddin – Mall Panakukang	Terminal Bandara Keberangkatan
40			RS TNI AU dr. Dody Sardjoto
41			Hotel Dharma Nusantara
42			Bomar Panko Adirasa
43			Japfa Comfeed Indonesia
44			Pesantren Darul Arqam Muhammadiyah
45			SMP Negeri 9 Makassar
46			PT Surya Madistrindo
47			Gudang 25
48			SMA Negeri 6 Makassar
49			Tallasa City
50			MAKASSAR TENE 2
51			Pergudangan Parangloe 2
			Gudang 6 (2)
			Citraland Tallasa City 2
			PO Bus Borlindo Mandiri 2
			Dinas Kesehatan Provinsi 2



No	Koridor	Rute	Nama Halte
56			Badan Arsip dan Perpustakaan
57			Universitas Cokroaminoto
58			Dinas Pendidikan 2
59			Kantor Pimpinan Wilayah Muhammadiyah
60			Universits Dipa Makassar 2
61			Bebek Goyang Sulawesi (BEGOS)
62			Mall Makassar Town Square 2
63			Litha CO
64			Balai Latihan Kerja Makassar 2
65			SMA Negeri 5 Makassar 2
66			Indomaret Batua 7 (2)
67			Apotek Berkah Anugerah 2
68			Batua Raya 176 (Air Minum Elim) 2
69			RS Hermina 2
70			Pasar Seger
71			Mall Panakukang

C. Koridor 3

No	Koridor	Rute	Nama Halte
1	Koridor 3	Kampus 2 PNUP – Kampus 2 PIP	Kampus 2 PNUP
2			Pasar Sentral BTP 1
3			Graha Intiland 1
4			Indomaret BTN Kodam III
5			Perumahan Mangga Tiga A
6			Kompleks YPPKG Makassar 1
7			Alfamart Berua Indah
8			Graha Amalia 1
9			Apotek Ocean Medika 1
			Alfamart Batarugi 1
			Samsat Sudiang 1
			Bumi Sudiang
			Wisma Liberty
			The Victoria



No	Koridor	Rute	Nama Halte
15			Indomaret Daeng Ramang 38
16			Griya Athirah Permai 1
17			Perhubungan 1
18			Daya Grand Square 1
19			Pasar Daya
20			Pusat Suku Cadang Kalla Toyota
21			Alfamart KIMA
22			Politeknik bosowa 1
23			Cluster Akasia 1
24			Cargil Indonesia 1
25			SMAN 6 Makassar
26			Makassar TENE 2
27			Makassar TENE 1
28			Tallasa City
29			Gudang 99
30			Bira
31			Daengta Qalia 1
32			Alfamart 1
33			BATM (Balai Anak Toddopuli di Makassar)
34			Kampus 2 PIP
35		Kampus 2 PIP – Kampus 2 PNUP	SMK 9
36			Alfamart 2
37			Daengta Qalia 2
38			Posyandu Flamboyan 1
39			SJAM Sparepart
40			Gudang 25
41			SMAN 6 Makassar 2
42			Cargil Indonesia 2
43			Cluster Akasia 2
44			Politeknik Bosowa 2
45			Kantor PT KIMA
			XCMG
			Terminal Daya
			Daya Grand Square 2
			Perhubungan 2
			Griya Athirah Permai 2



No	Koridor	Rute	Nama Halte
51			Griya Mulya Asri
52			Kantor Balai Latihan Transmigrasi
53			Indomaret Daeng Ramang 38 (2)
54			Nuansa Indah Residence
55			Ramang Royal Regency
56			Samsat Sudiang 2
57			Alfamart Bataraugi 2
58			Apotek Ocean Medika 2
59			Graha Amalia 2
60			SPBU Paccarekkang
61			Kompleks YPPKG Makassar 2
62			Perumahan Mangga Tiga B
63			BTN Kodam III
64			Graha Intiland 2
65			Pasar Sentral BTP 2
66			Royal Sentraland 2
67			Kampus 2 PNUP

D. Koridor 4

No	Koridor	Rute	Nama Halte
1	Koridor 4	Kampus Teknik Unhas – <i>Panakukang Square</i>	Kampus Teknik Unhas Gowa
2			Halte CSA 1
3			Halte Titik Nol Teknik Unhas Gowa
4			Asrama Resimen Induk Dalam XIV Mawang
5			UPDL PLN Makassar
6			Kantor Kelurahan Mawang
7			R3 Sentosa Land
8			Pondok 5 Putri Macanda
9			Masjid Al-Insan
			Grand Aliyah
			BPK Gowa RS Muhammadiyah
			UNISMUH Makassar 1



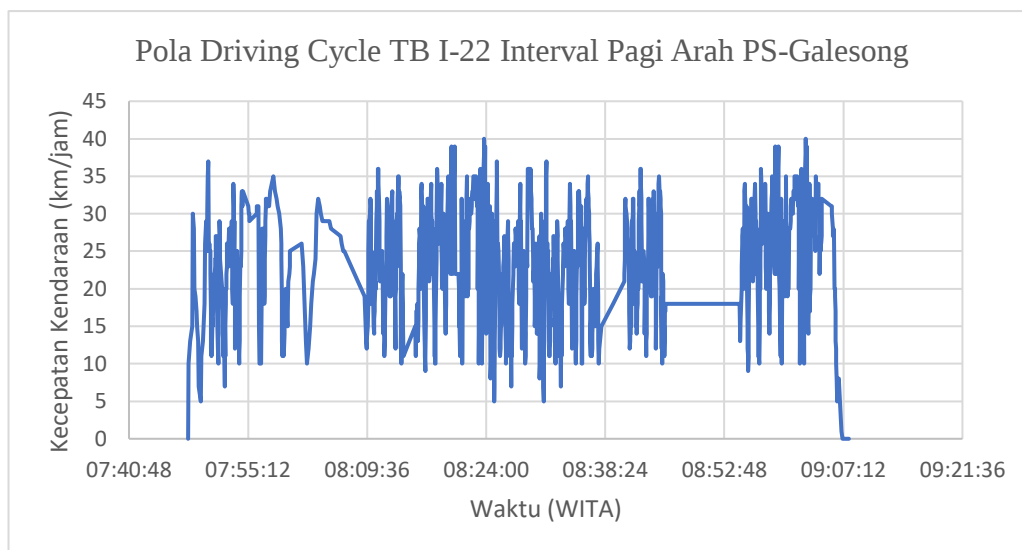
No	Koridor	Rute	Nama Halte
12			Masjid Muhammad Cheng Hoo
13			Bumi Aroepala
14			Daihatsu
15			Pao-Pao Permai
16			Ciputra Citraland Celebes
17			BRI Aroepala
18			Balai Sebaguna Aroepala
19			SMK Mega Rezky 1
20			Balai Pengelola Transportasi Darat Sulselbar
21			SD Katolik Santo Aloysius
22			Hotel Continent Centrepoint
23			Panakukang Square
24		Panakukang Square – Kampus Teknik Unhas	BCA
25			Politeknik STIA LAN
26			Alaska Store
27			Mall Panakukang (Jl. Pengayoman)
28			Carefour
29			JILC Todopuli
30			Asrama Polisi Toddopuli
31			SPBU Hertasning
32			SMK Mega Rezky 2
33			Aroepala Food Court
34			Belmont Residence
35			Komplek Blok AB Minasa Upa
36			Mc'Donalds
37			Satu Sama
38			Universitas Patria Artha
39			Royal Spring
			RS Muhammadiyah UNISMUH Makassar 2
			BPK Gowa 2
			Pintu 1 Kampus II UIN Alauddin Samata



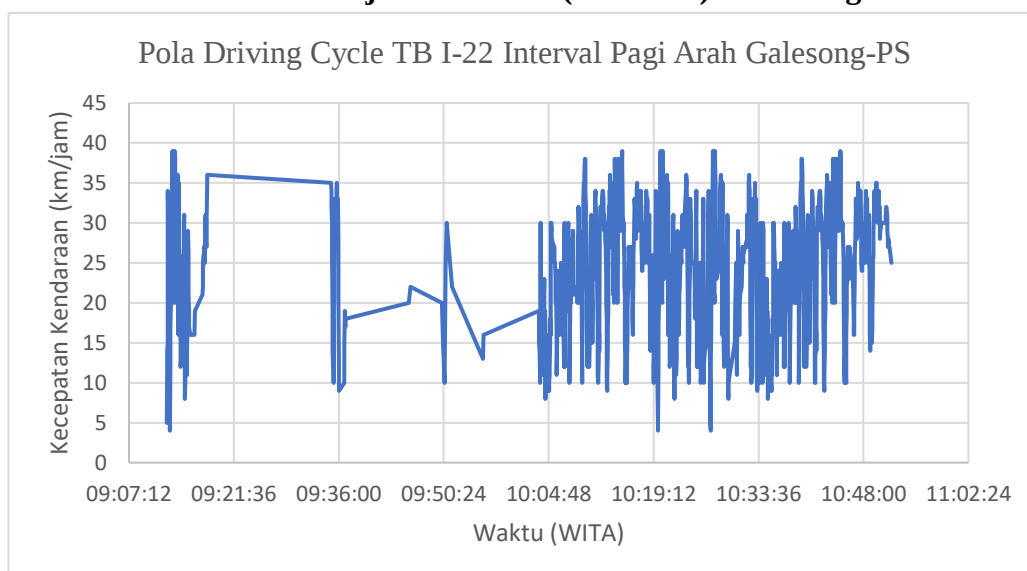
No	Koridor	Rute	Nama Halte
43			Pintu 2 Kampus II UIN Alauddin Samata
44			Pondok Pesantren Guppi
45			Mutiara Indah
46			Masjid Baiturrahman
47			SMK Pelayaran Nusantara Jaya
48			Griya Kenari
49			Politeknik Pertanian Pembangunan Gowa
50			Halte CSA 2
51			Halte A Teknik Unhas (Teknik Industri)
52			Halte B Teknik Unhas (Teknik Pertambangan)
53			Halte C Teknik Unhas (Teknik Perkapalan)
54			Halte D Teknik Unhas (Teknik Elektrikal)
55			Halte E Teknik Unhas (Teknik Sipil)
56			Halte F Teknik Unhas (Teknik Power House)
57			Halte G Teknik Unhas (Asrama Fakultas Teknik Unhas)
58			Halte H Teknik Unhas (Technomart)
59			Kampus Teknik Unhas Gowa



Lampiran 3 Grafik *Driving Cycle* Kendaraan Teman Bus



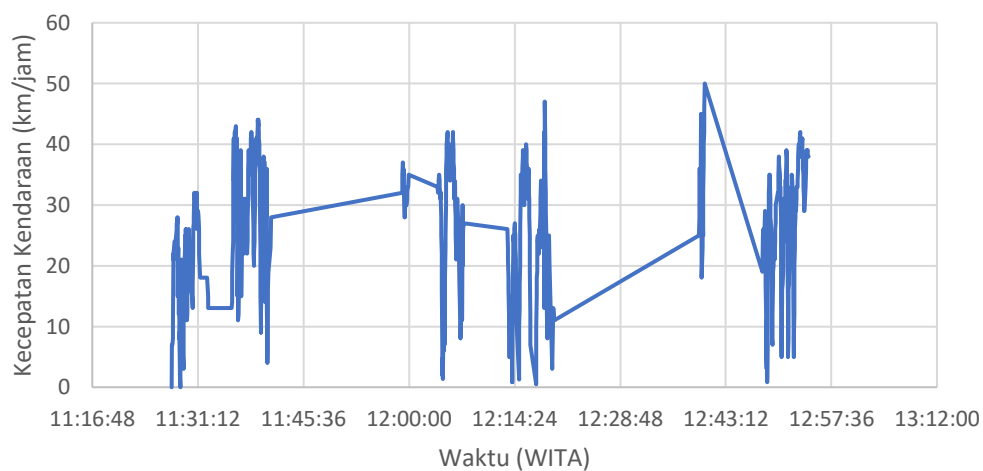
Kendaraan Uji 1 Koridor 1 (TB I – 22) Arah Pergi



Kendaraan Uji 1 Koridor 1 (TB I – 22) Arah Pulang

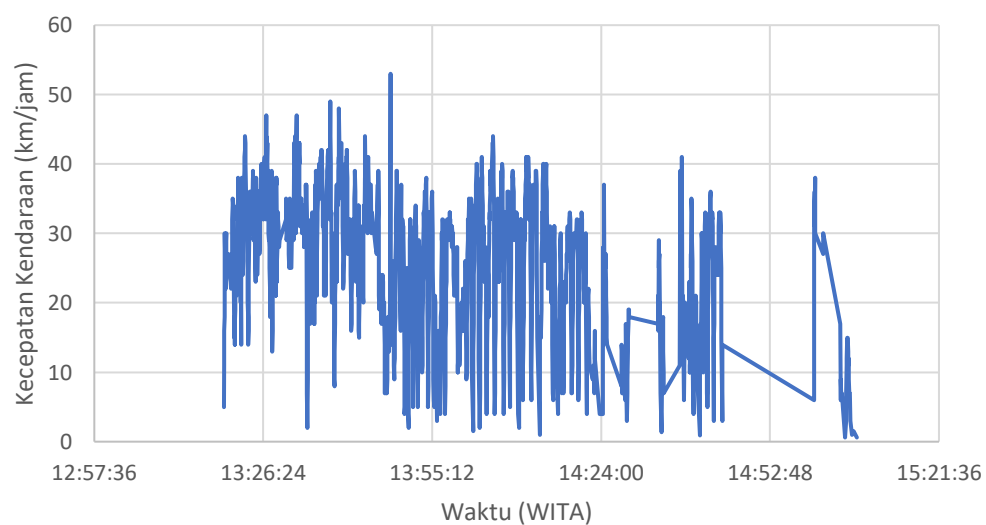


Pola Driving Cycle TB I-18 Interval Siang Arah PS-
Galesong



Kendaraan Uji 2 Koridor 1 (TB I – 18) Arah Pergi

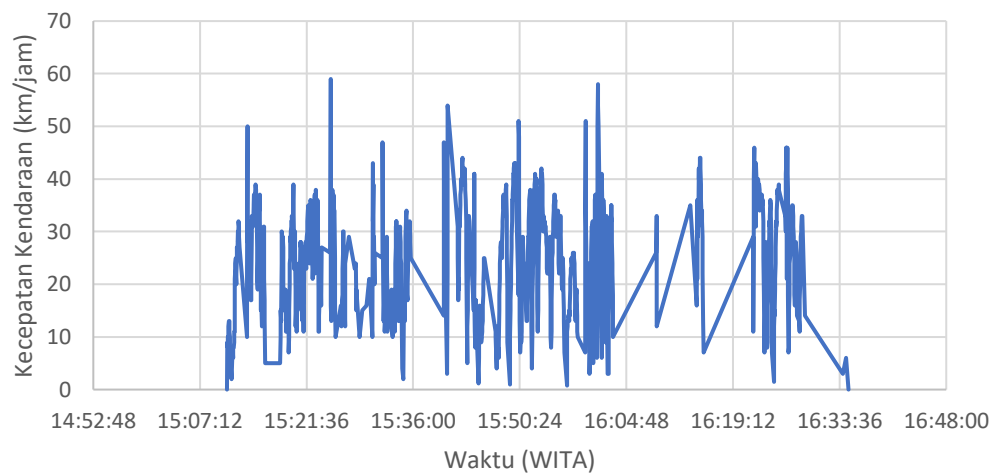
Pola Driving Cycle TB I-18 Interval Siang Arah
Galesong-PS



Kendaraan Uji 2 Koridor 1 (TB I – 18) Arah Pulang

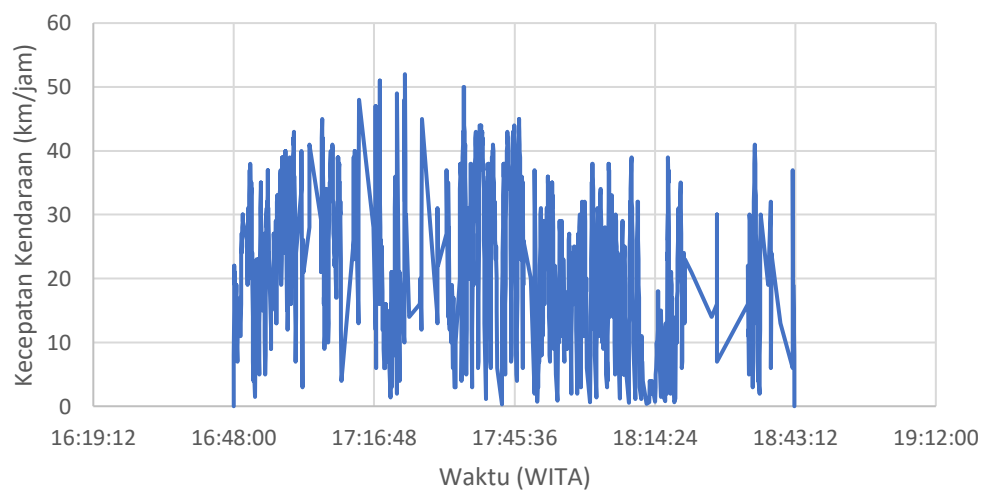


Pola Driving Cycle TB I-12 Interval Sore Arah PS-
Galesong



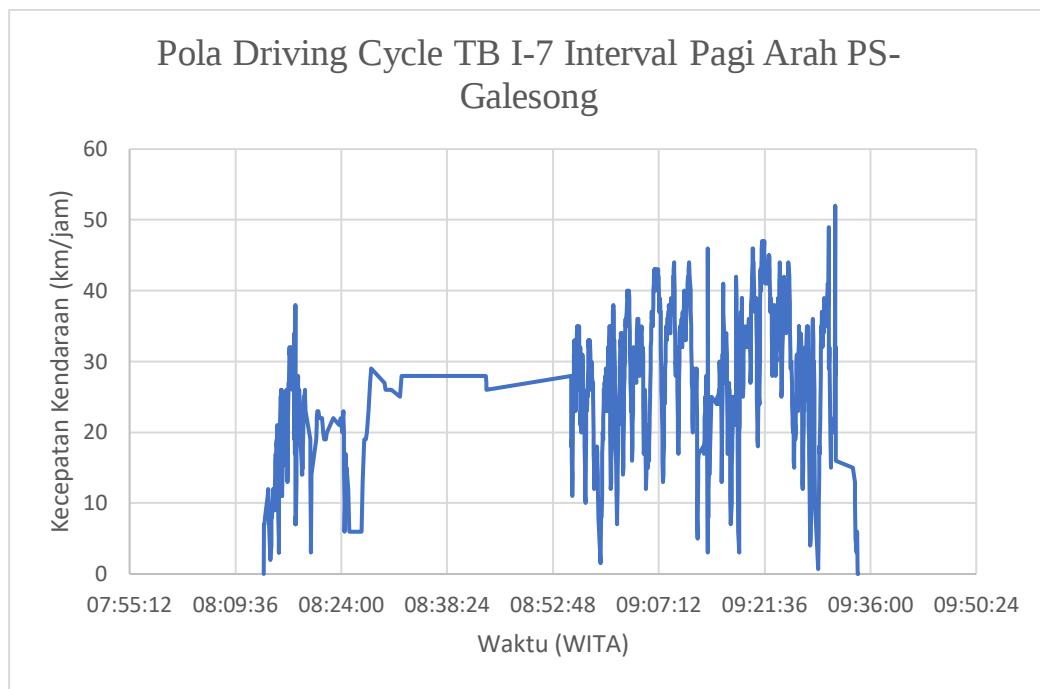
Kendaraan Uji 3 Koridor 1 (TB I – 12) Arah Pergi

Pola Driving Cycle TB I-12 Interval Sore Arah
Galesong-PS

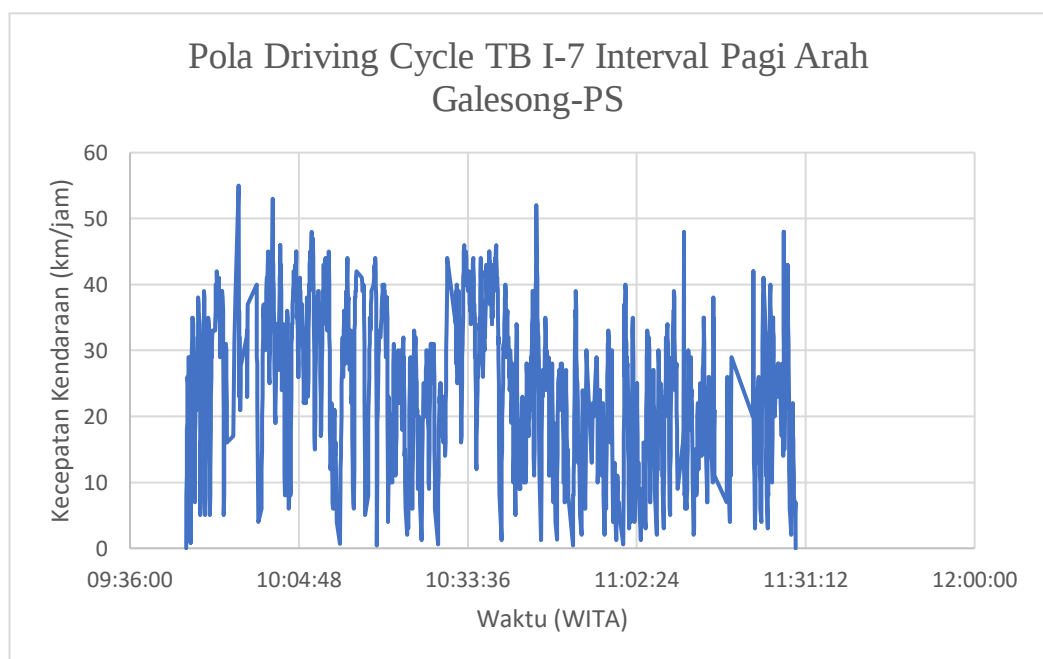


Kendaraan Uji 3 Koridor 1 (TB I – 12) Arah Pulang





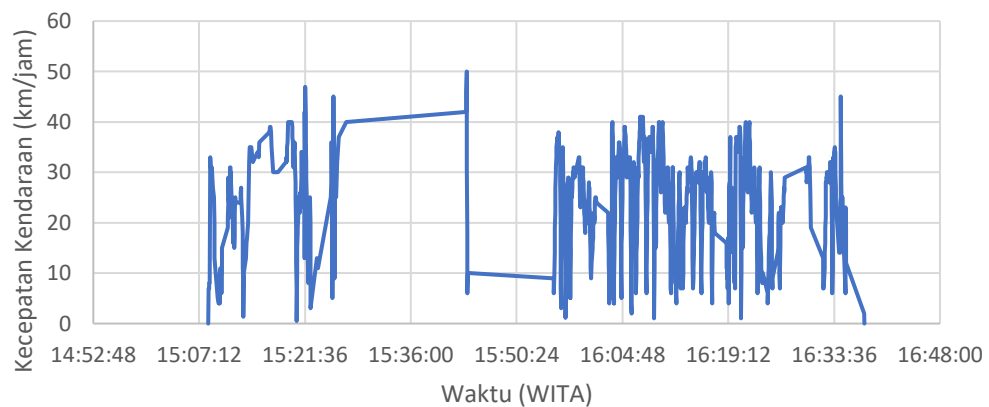
Kendaraan Uji 4 Koridor 1 (TB I – 7) Arah Pergi



Kendaraan Uji 4 Koridor 1 (TB I – 7) Arah Pulang

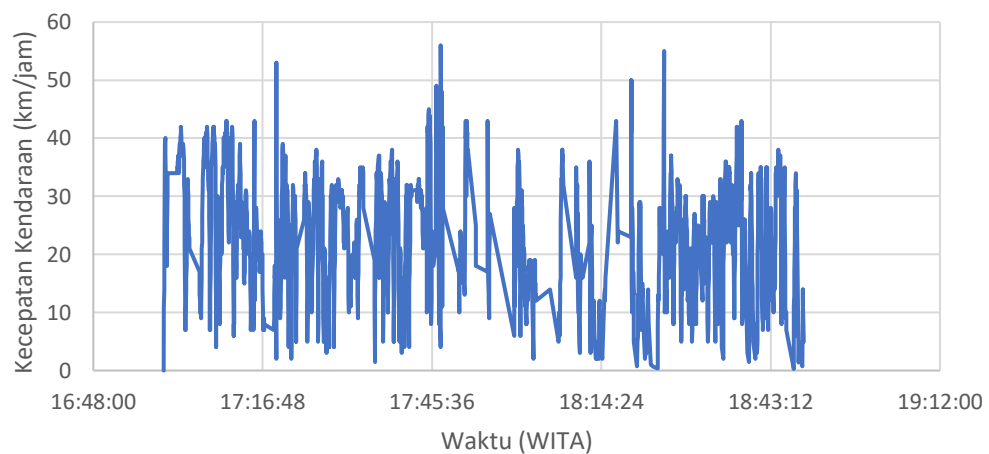


Pola Driving Cycle TB I-14 Interval Sore Arah PS-
Galesong



Kendaraan Uji 5 Koridor 1 (TB I – 14) Arah Pergi

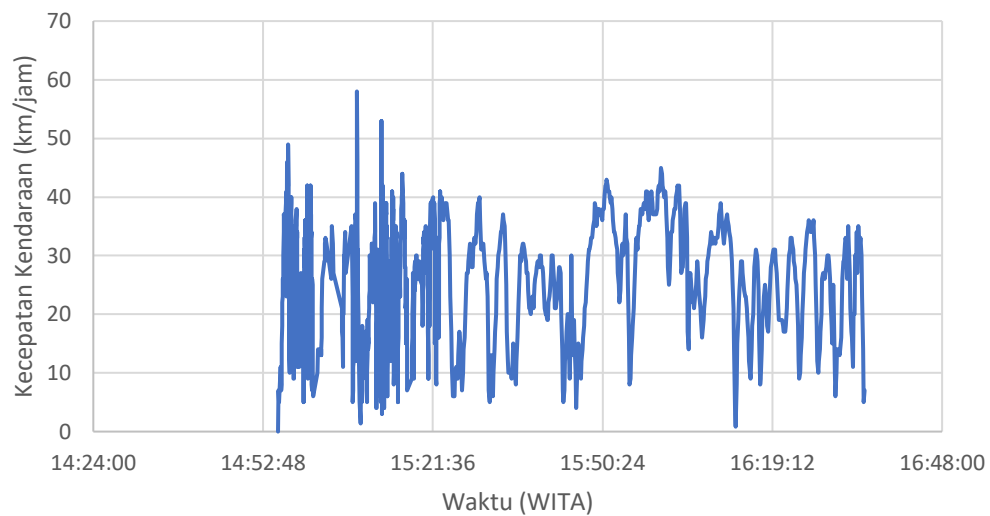
Pola Driving Cycle TB I-14 Interval Sore Arah
Galesong-PS



Kendaraan Uji 5 Koridor 1 (TB I – 14) Arah Pulang

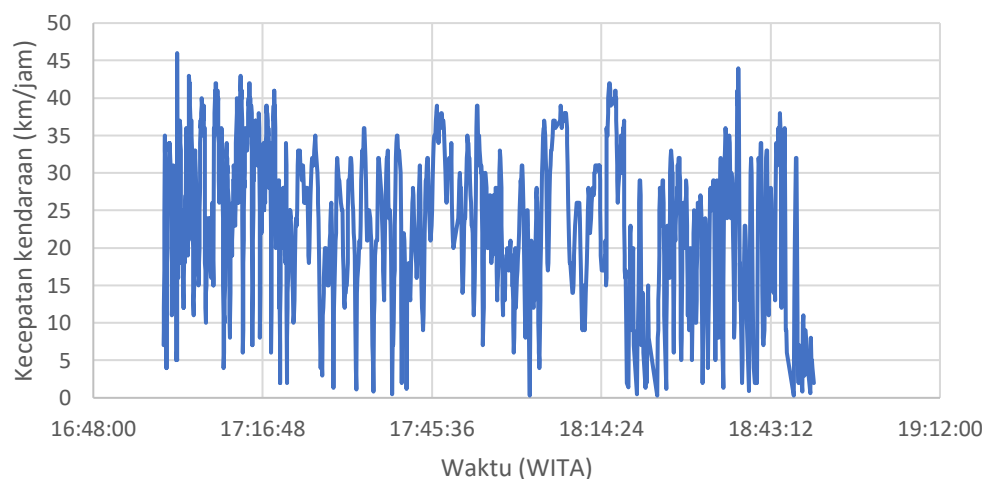


Pola Driving Cycle TB I-11 Interval Sore Arah PS-
Galesong



Kendaraan Uji 6 Koridor 1 (TB I – 11) Arah Pergi

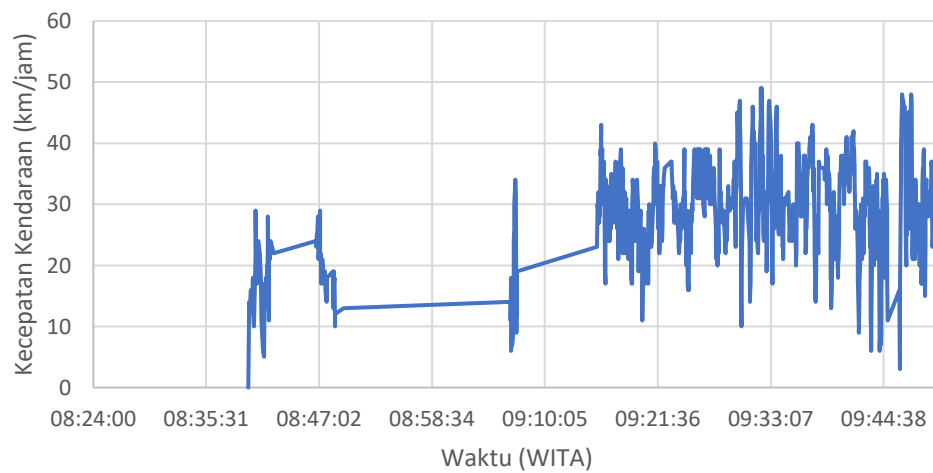
Pola Driving Cycle TB I-11 Interval Sore Arah
Galesong-PS



Kendaraan Uji 6 Koridor 1 (TB I – 11) Arah Pulang

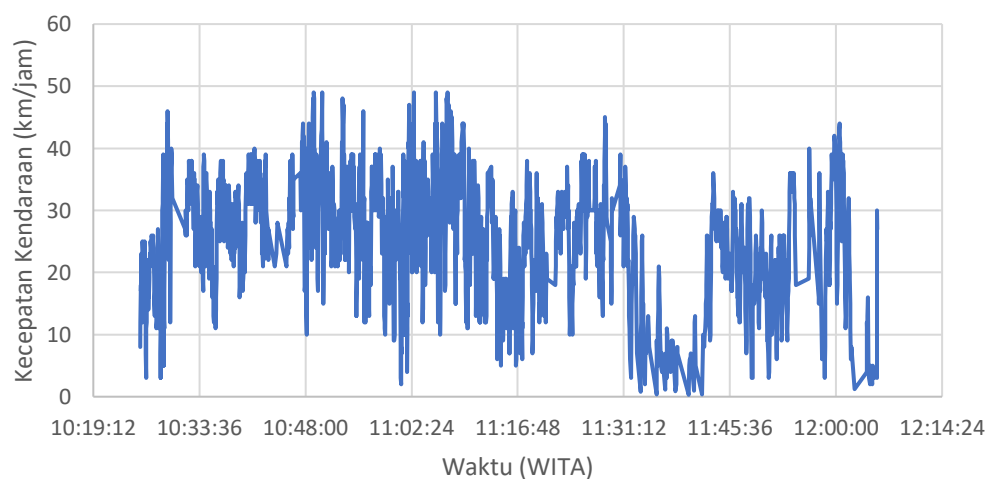


Pola Driving Cycle TB I-1 Interval Pagi Arah PS-Galesong



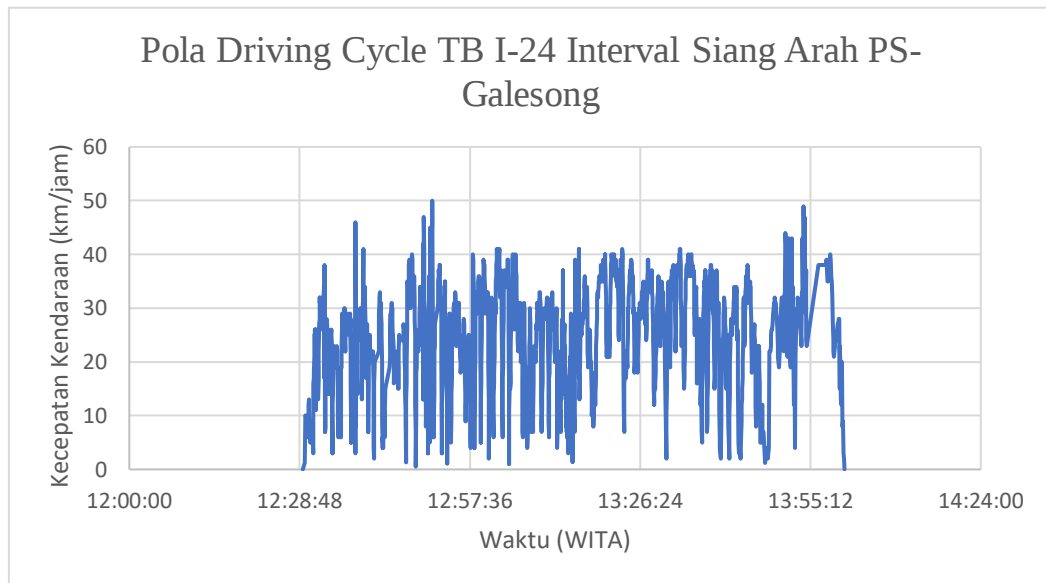
Kendaraan Uji 7 Koridor 1 (TB I – 1) Arah Pergi

Pola Driving Cycle TB I-1 Interval Pagi Arah PS-Galesong

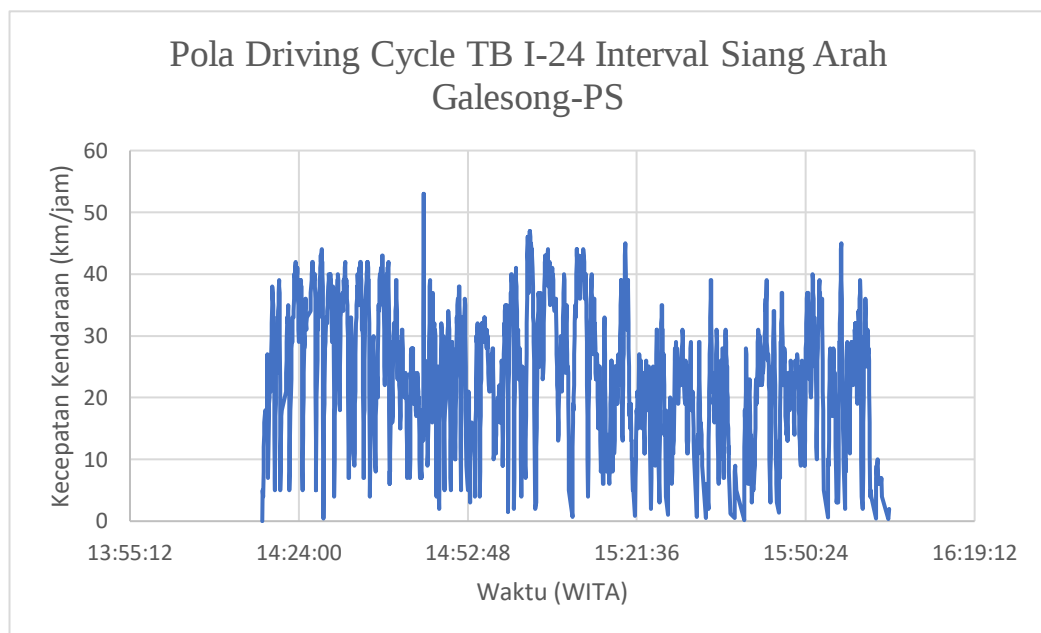


Kendaraan Uji 7 Koridor 1 (TB I – 1) Arah Pulang



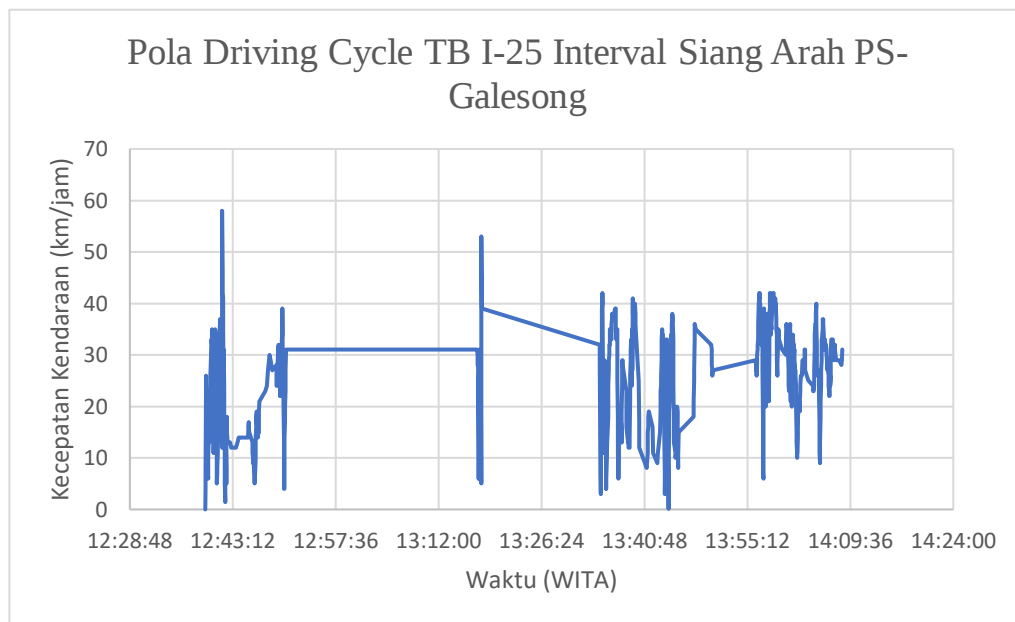


Kendaraan Uji 8 Koridor 1 (TB I – 24) Arah Pergi

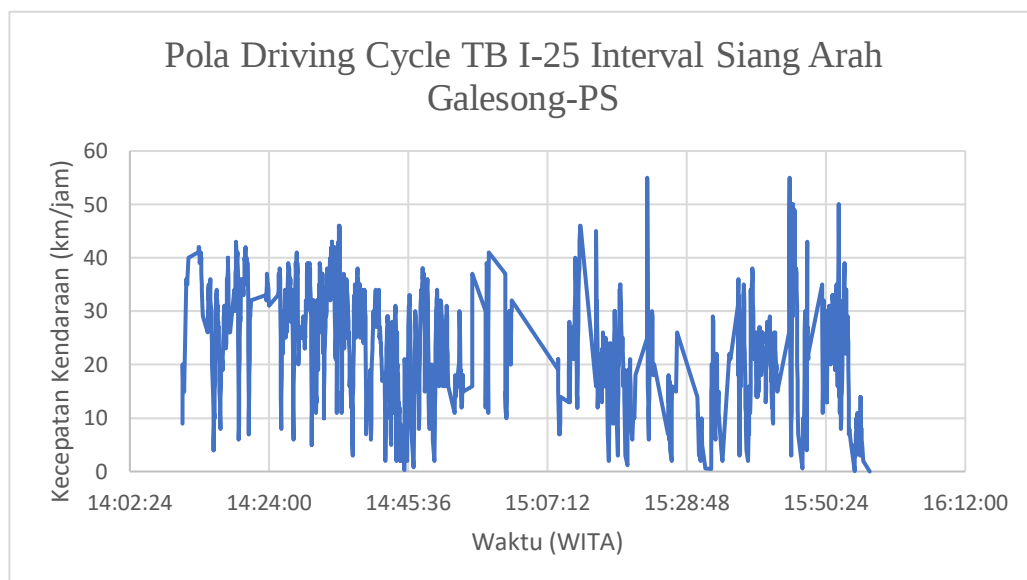


Kendaraan Uji 8 Koridor 1 (TB I – 24) Arah Pulang





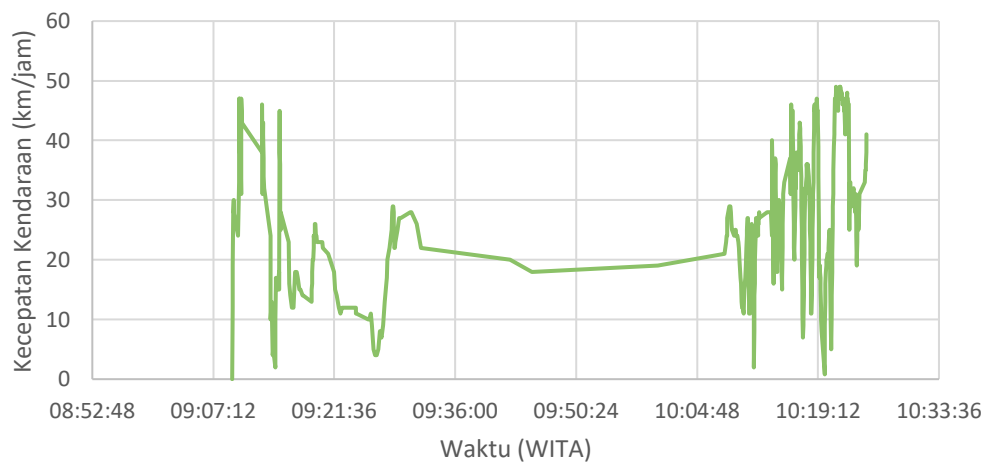
Kendaraan Uji 9 Koridor 1 (TB I – 25) Arah Pergi



Kendaraan Uji 9 Koridor 1 (TB I – 25) Arah Pulang

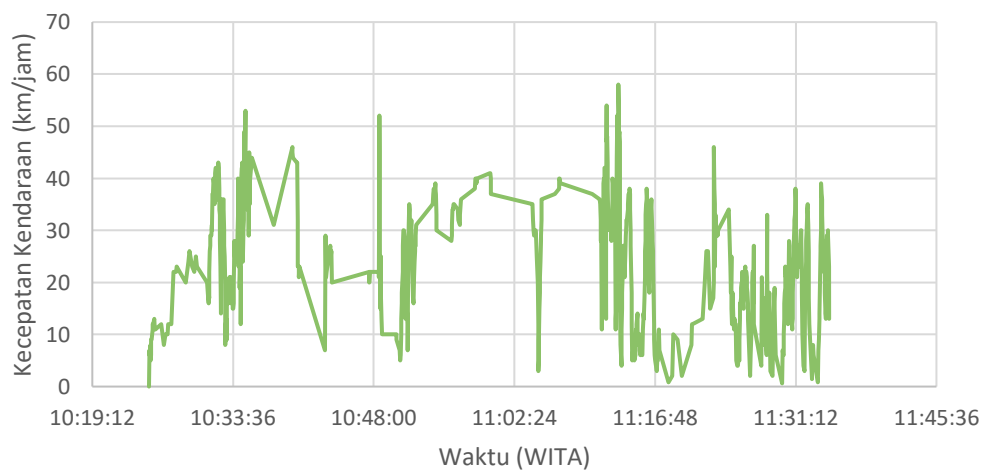


Pola Driving Cycle TB II-7 Interval Pagi Arah MP-Bandara



Kendaraan Uji 1 Koridor 1 (TB II – 7) Arah Pergi

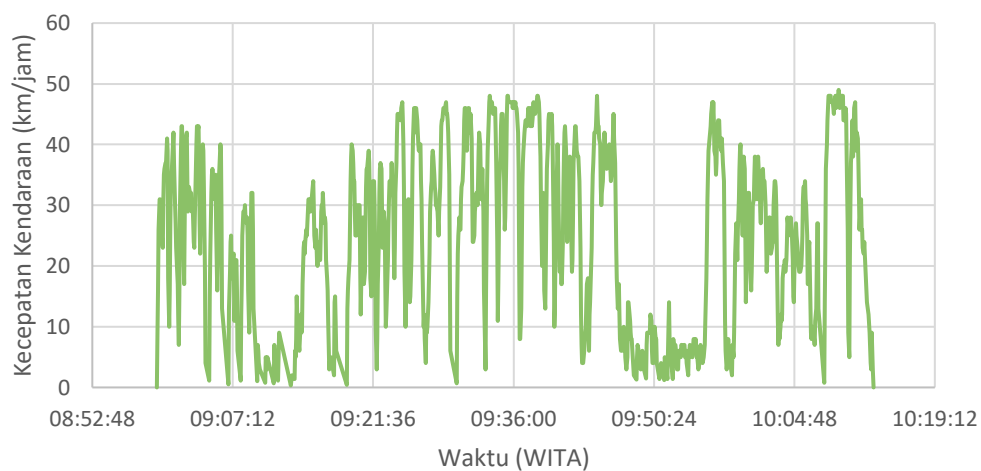
Pola Driving Cycle TB II-7 Interval Pagi Arah Bandara-MP



Kendaraan Uji 1 Koridor 1 (TB II – 7) Arah Pulang

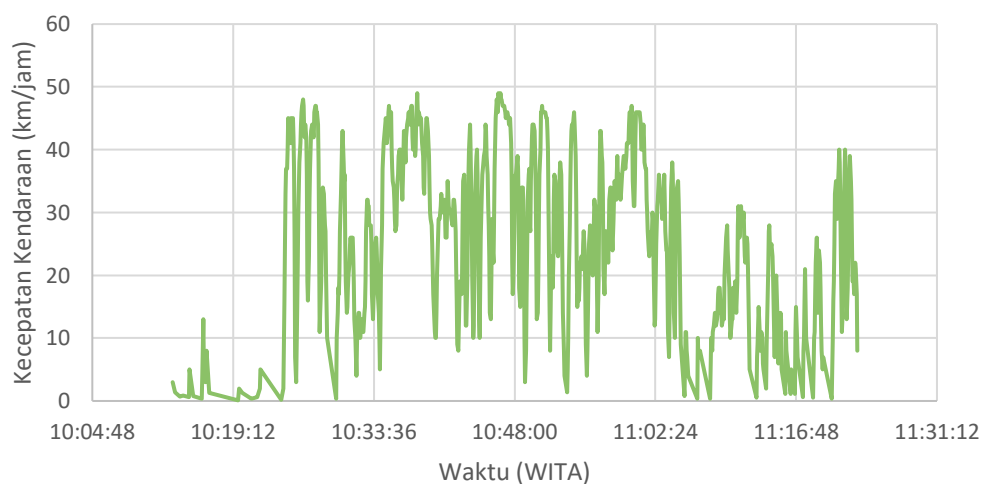


Pola Driving Cycle TB II-5 Interval Pagi Arah MP-Bandara



Kendaraan Uji 2 Koridor 2 (TB II – 5) Arah Pergi

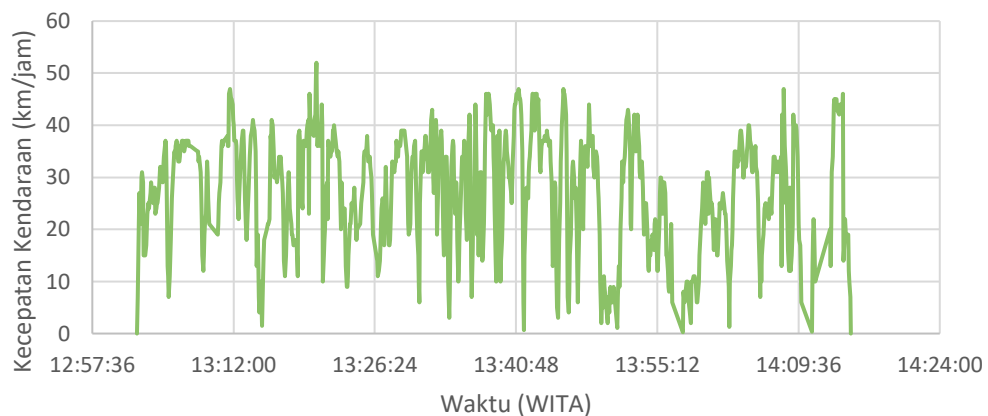
Pola Driving Cycle TB II-5 Interval Pagi Arah Bandara-MP



Kendaraan Uji 2 Koridor 2 (TB II – 5) Arah Pulang

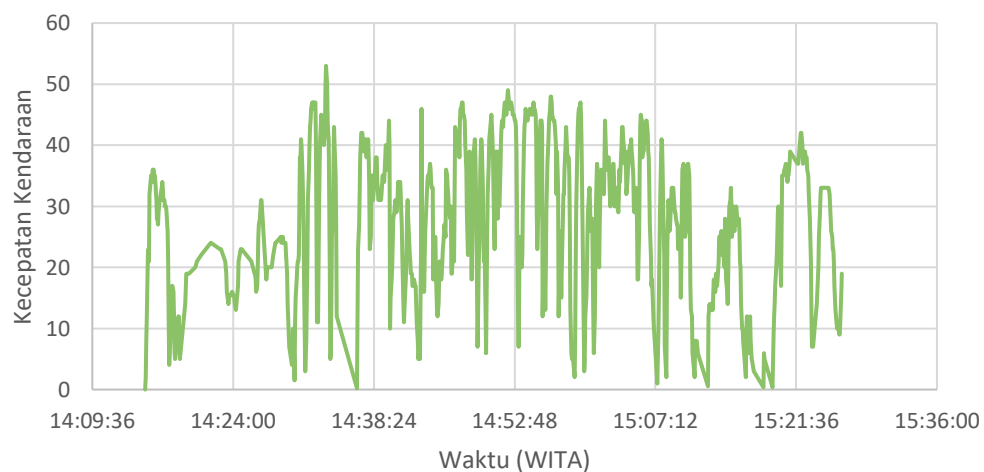


Pola Driving Cycle TB II-10 Interval Siang Arah MP-Bandara



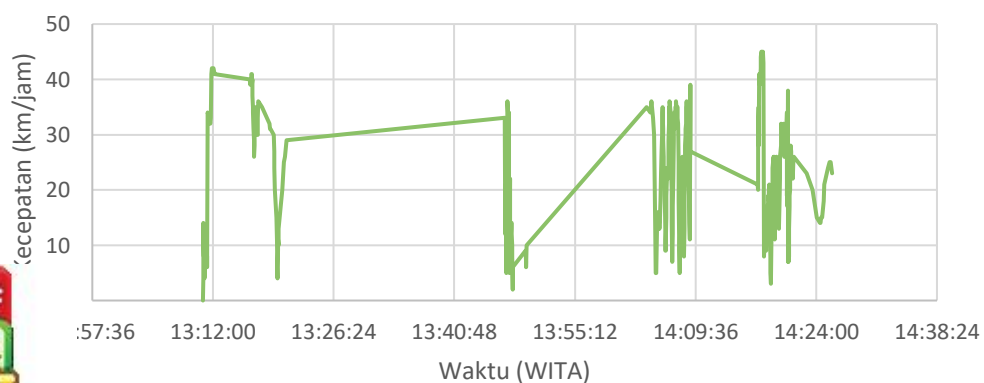
Kendaraan Uji 3 Koridor 2 (TB II – 10) Arah Pergi

Pola Driving Cycle TB II-10 Interval Siang Arah Bandara-MP



Kendaraan Uji 3 Koridor 2 (TB II – 10) Arah Pulang

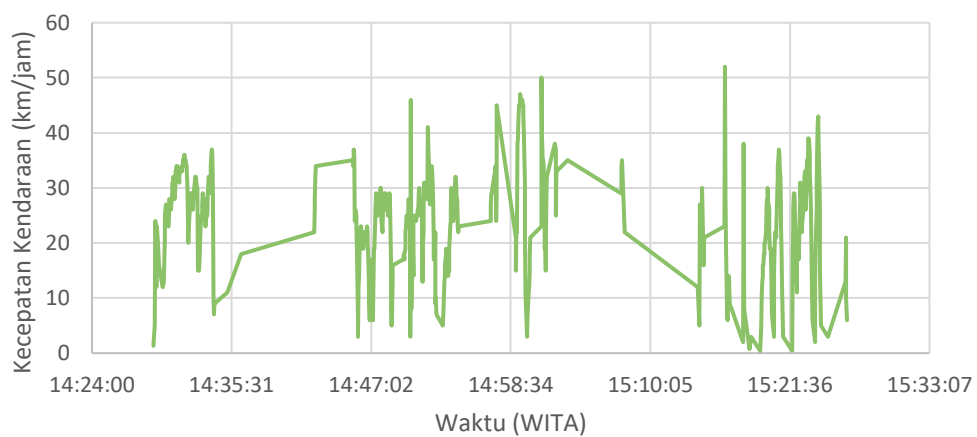
Pola Driving Cycle TB II-11 Interval Siang Arah MP-Bandara



Kendaraan Uji 4 Koridor 2 (TB II – 11) Arah Pergi

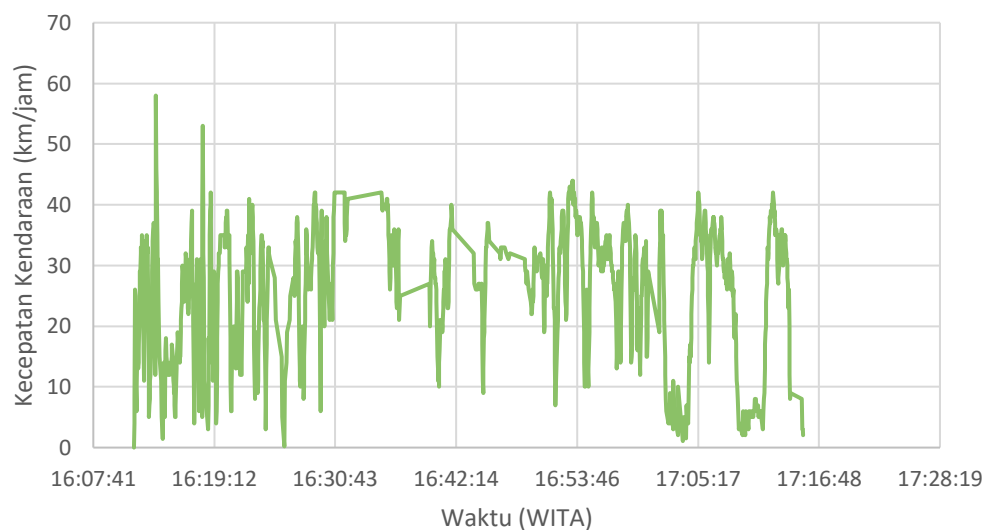


Pola Driving Cycle TB II-11 Interval Siang Arah
Bandara - MP



Kendaraan Uji 4 Koridor 2 (TB II – 11) Arah Pulang

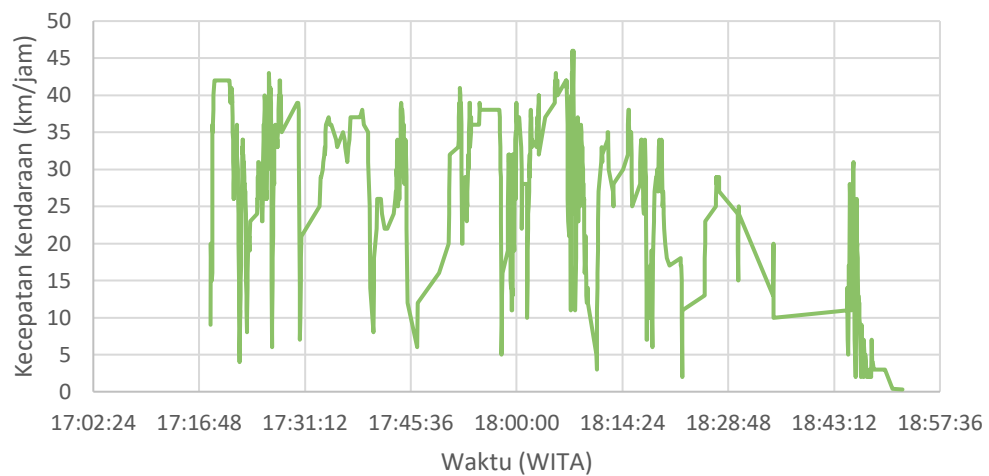
Pola Driving Cycle TB II-8 Interval Siang Arah MP-
Bandara



Kendaraan Uji 5 Koridor 2 (TB II – 8) Arah Pergi

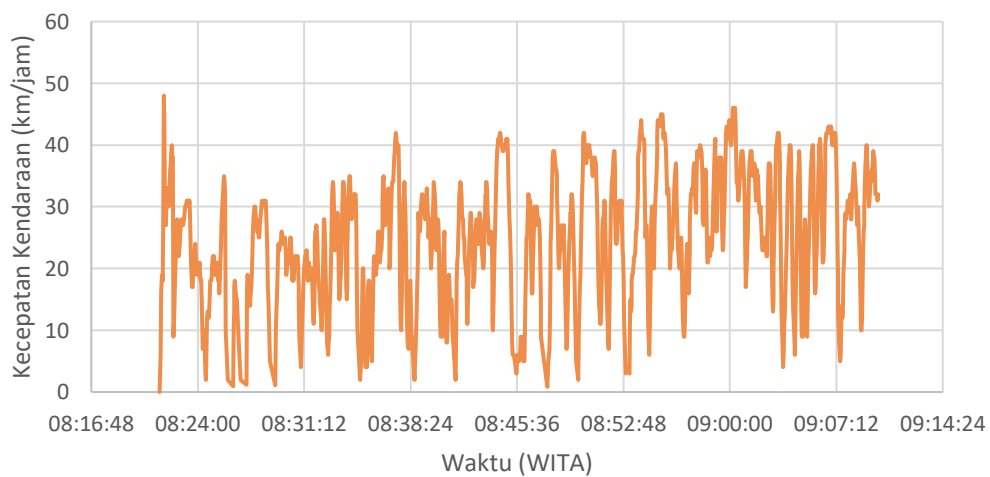


Pola Driving Cycle TB II-8 Interval Siang Arah MP-Bandara



Kendaraan Uji 5 Koridor 2 (TB II – 8) Arah Pulang

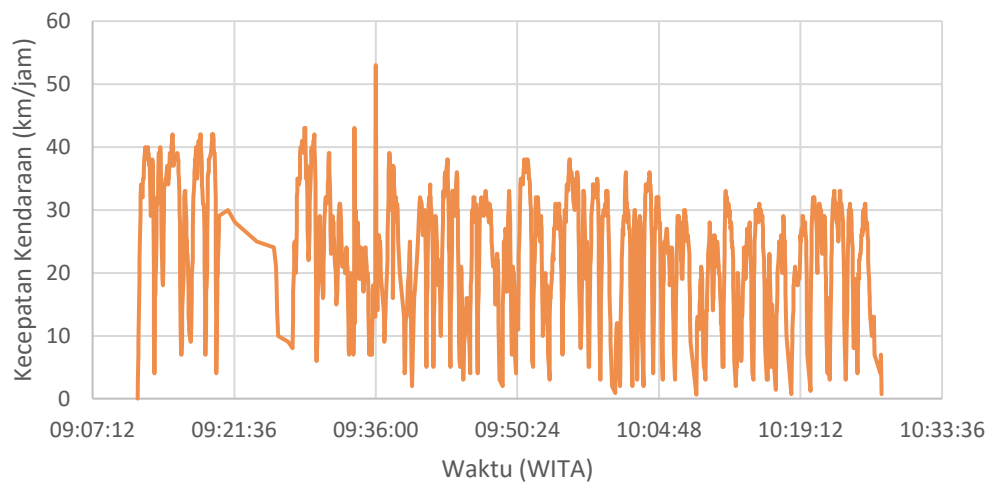
Pola Driving Cycle TB III-9 Interval Pagi Arah PNUP-PIP



Kendaraan Uji 1 Koridor 3 (TB III – 9) Arah Pergi

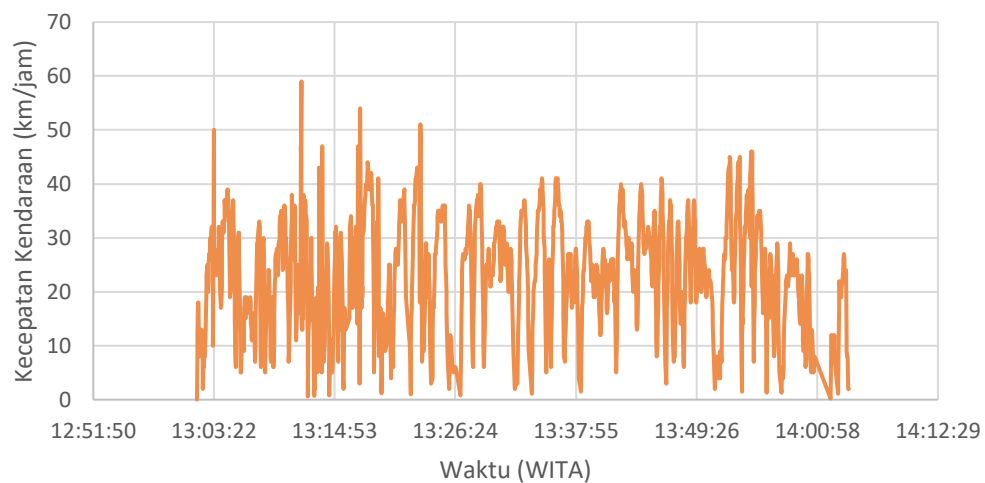


Pola Driving Cycle TB III-9 Interval Pagi Arah PIP-
PNUP



Kendaraan Uji 1 Koridor 3 (TB III – 9) Arah Pulang

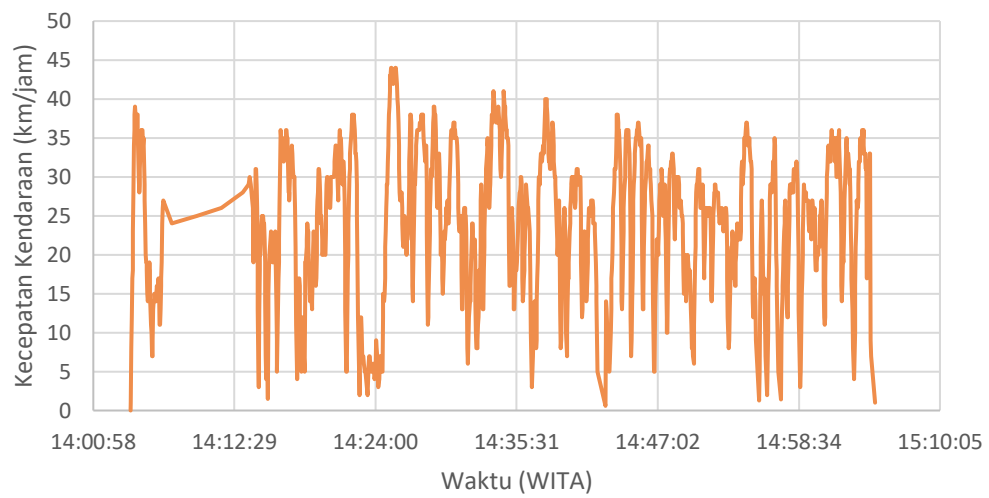
Pola Driving Cycle TB III-5 Interval Siang Arah
PNUP-PIP



Kendaraan Uji 2 Koridor 3 (TB III – 5) Arah Pergi

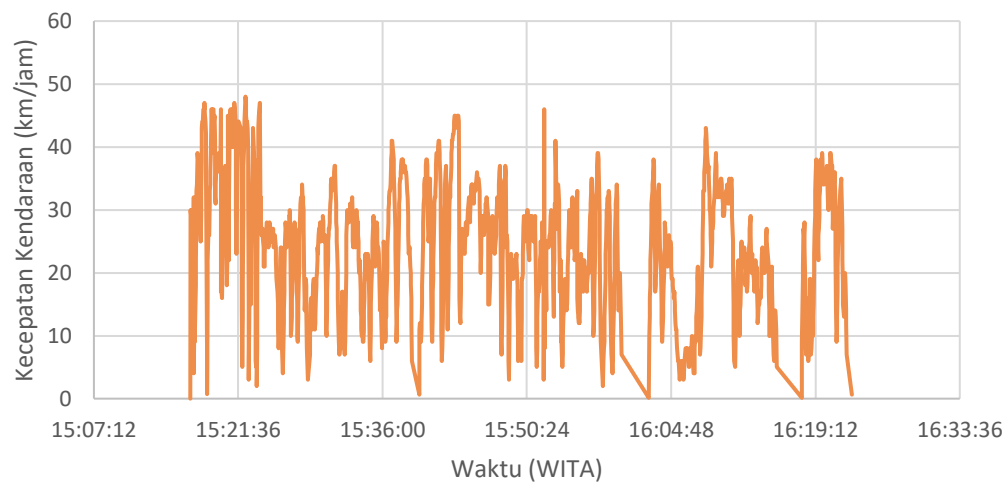


Pola Driving Cycle TB III-5 Interval Siang Arah PIP-
PNUP



Kendaraan Uji 2 Koridor 3 (TB III – 5) Arah Pulang

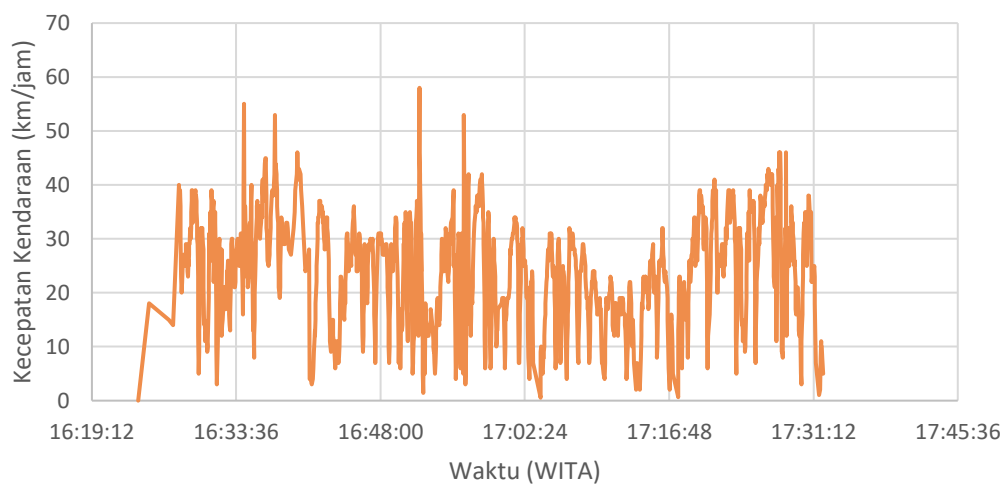
Pola Driving Cycle TB III-15 Interval Sore Arah
PNUP-PIP



Kendaraan Uji 3 Koridor 3 (TB III – 15) Arah Pergi

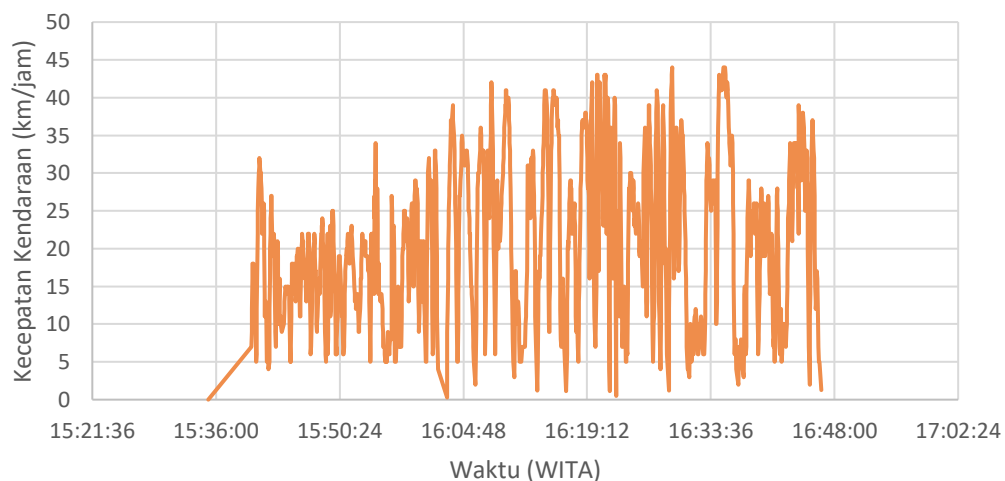


Pola Driving Cycle TB III-15 Interval Sore Arah PIP-
PNUP



Kendaraan Uji 3 Koridor 3 (TB III – 15) Arah Pulang

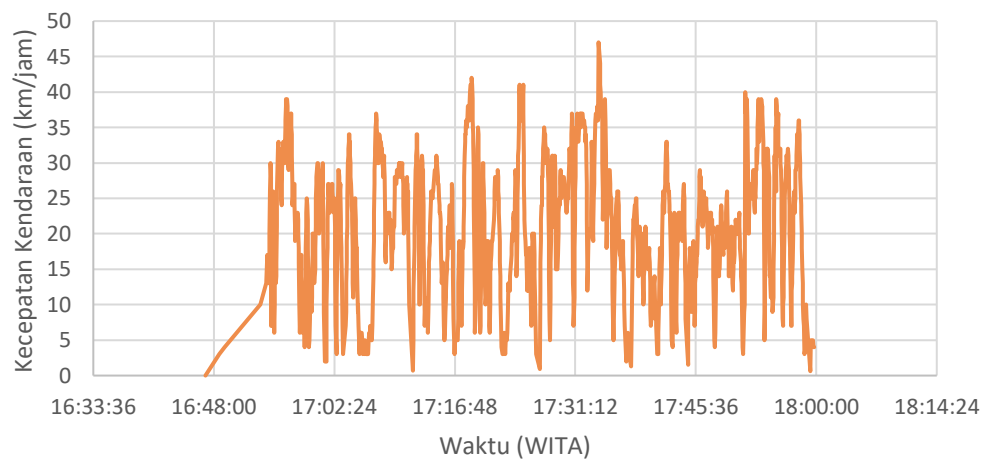
Pola Driving Cycle TB III-16 Interval Sore Arah
PNUP-PIP



Kendaraan Uji 4 Koridor 3 (TB III – 16) Arah Pergi

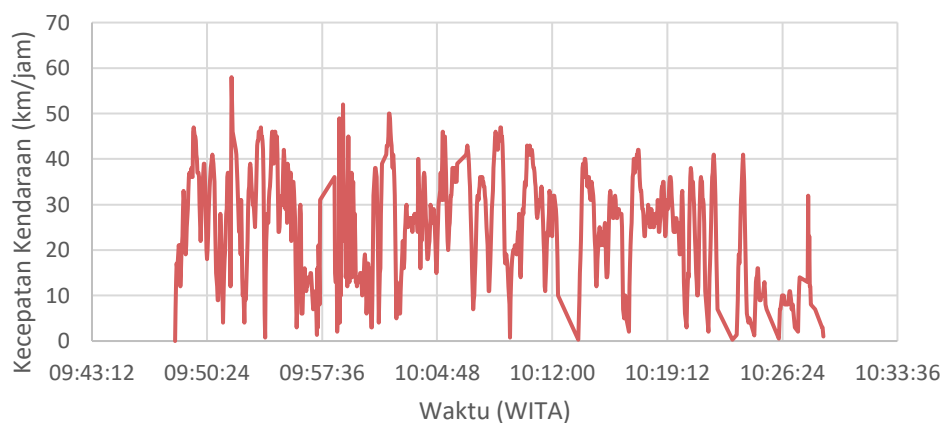


Pola Driving Cycle TB III-16 Interval Sore Arah PIP-
PNUP



Kendaraan Uji 4 Koridor 3 (TB III – 16) Arah Pulang

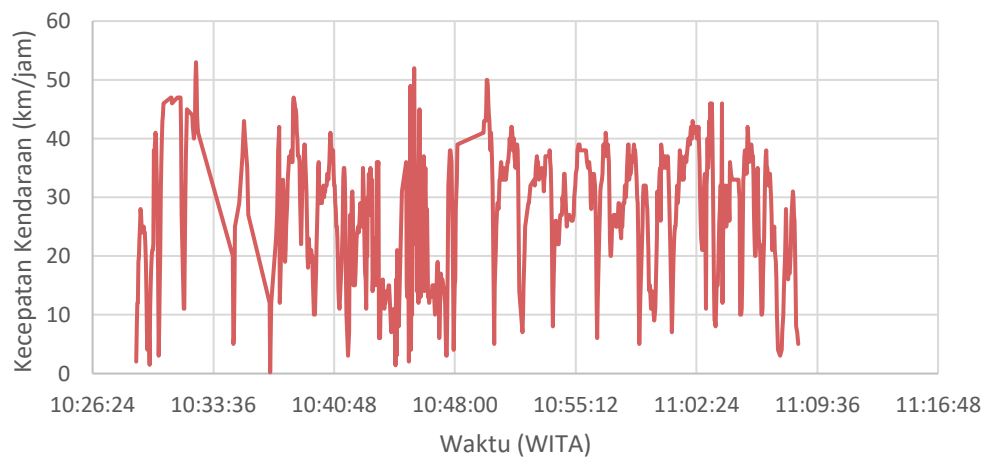
Pola Driving Cycle TB IV-3 Interval Pagi Arah
Teknik-PS



Kendaraan Uji 1 Koridor 4 (TB IV – 3) Arah Pergi

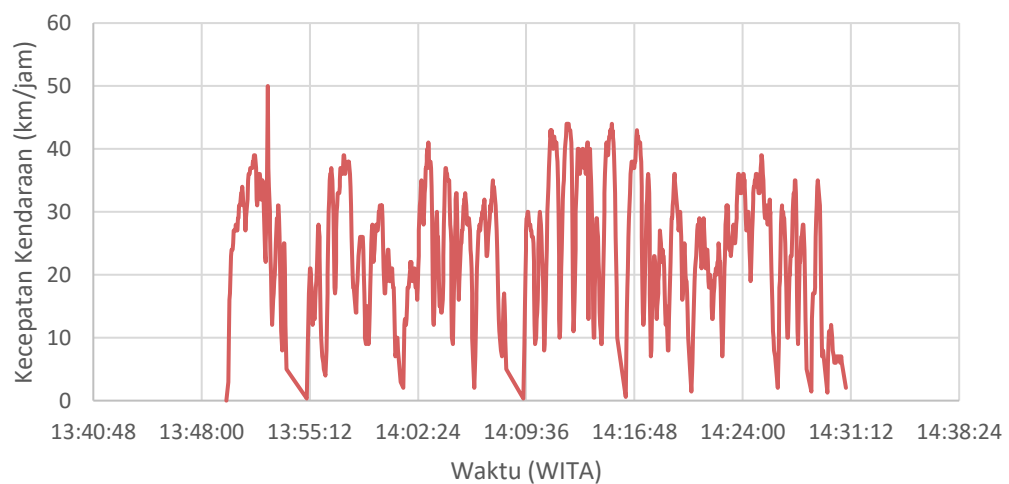


Pola Driving Cycle TB IV-3 Interval Pagi Arah PS-Teknik



Kendaraan Uji 1 Koridor 4 (TB IV – 3) Arah Pulang

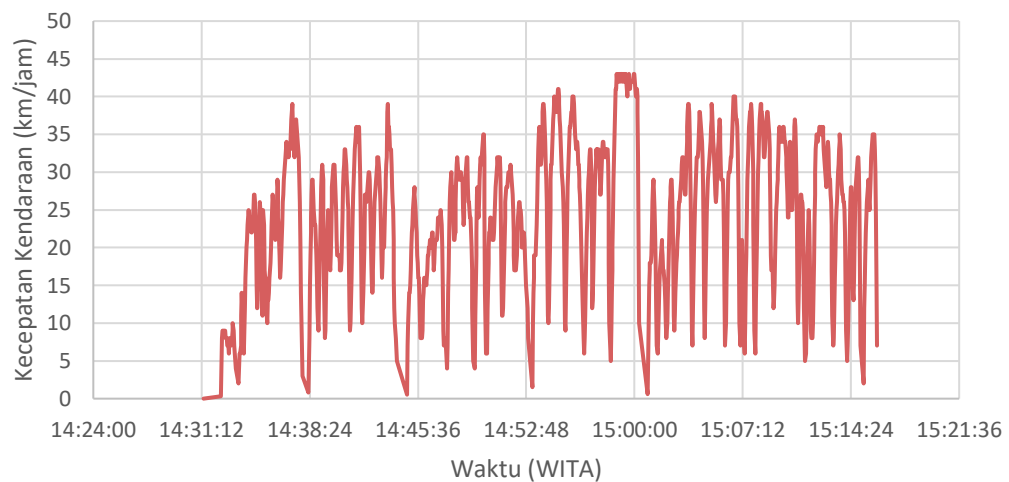
Pola Driving Cycle TB IV-5 Interval Siang Arah Teknik-PS



Kendaraan Uji 2 Koridor 4 (TB IV – 5) Arah Pergi

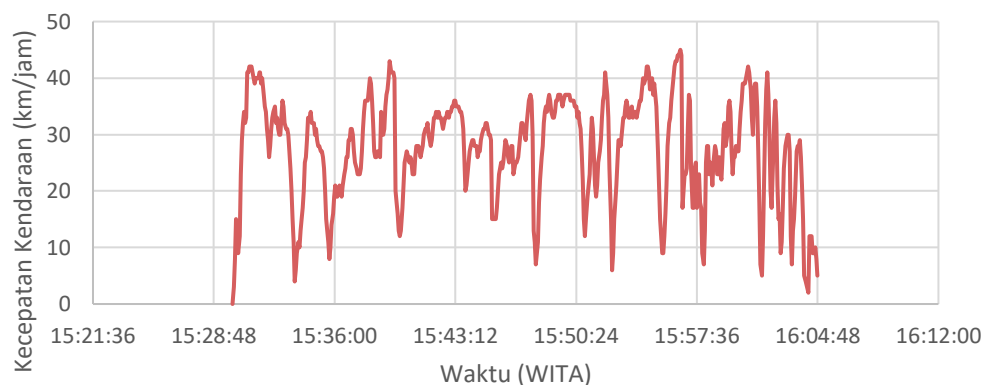


Pola Driving Cycle TB IV-5 Interval Siang Arah PS-Teknik



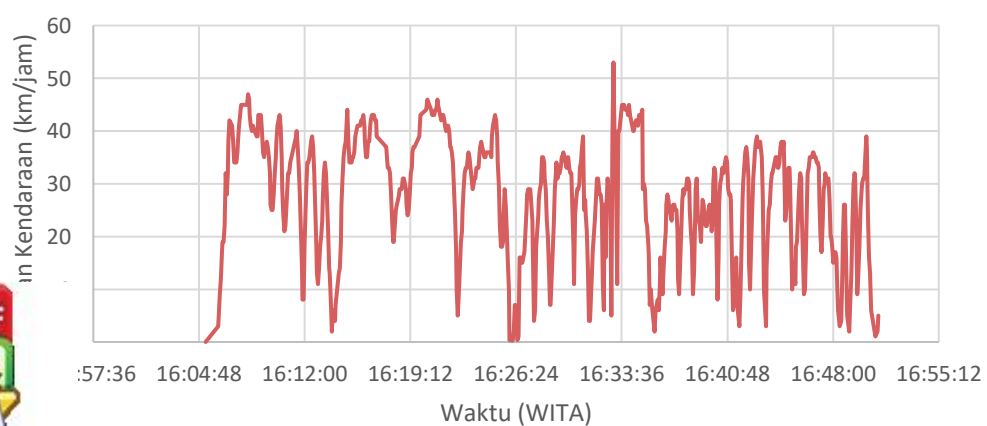
Kendaraan Uji 2 Koridor 4 (TB IV – 5) Arah Pulang

Pola Driving Cycle TB4 02 Interval Sore Arah Teknik-PS



Kendaraan Uji 3 Koridor 4 (TB IV – 2) Arah Pergi

Pola Driving Cycle TB4 02 Interval Sore Arah PS-Teknik



Kendaraan Uji 3 Koridor 4 (TB IV – 2) Arah Pulang

Lampiran 4 Uji Statistik Kecepatan Perjalanan Pergi dan Pulang

Uji Wilcoxon Kendaraan Uji 1 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
KCPULANG - KCPERGI	Negative Ranks	643 ^a	640.12	411599.00
	Positive Ranks	640 ^b	643.89	412087.00
	Ties	138 ^c		
	Total	1421		
a. KCPULANG < KCPERGI				
b. KCPULANG > KCPERGI				
c. KCPULANG = KCPERGI				
Test Statistics ^a				
	KCPULANG - KCPERGI	-		
Z		-.018 ^b		
Asymp. Sig. (2-tailed)		0.985		
a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.				

Uji Wilcoxon Kendaraan Uji 2 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
PULANG - PERGI	Negative Ranks	318 ^a	330.24	105017.00
	Positive Ranks	353 ^b	341.19	120439.00
	Ties	21 ^c		
	Total	692		
a. PULANG < PERGI				
b. PULANG > PERGI				
c. PULANG = PERGI				
Test Statistics ^a				
	PULANG - PERGI	-		
Z		-1.535 ^b		
Asymp. Sig. (2-tailed)		0.125		
a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.				



Uji Wilcoxon Kendaraan Uji 3 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks

KCPULANG - KCPERGI	Negative Ranks	499 ^a	514.10	256535.00
	Positive Ranks	546 ^b	531.14	290000.00
	Ties	41 ^c		
	Total	1086		
a. KCPULANG < KCPERGI				
b. KCPULANG > KCPERGI				
c. KCPULANG = KCPERGI				
Test Statistics^a				
	KCPULANG - KCPERGI			
Z	-1.715 ^b			
Asymp. Sig. (2-tailed)	0.086			
a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.				

Uji Wilcoxon Kendaraan Uji 4 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
KCPULANG - KCPERGI	Negative Ranks	547 ^a	565.00	309057.50
	Positive Ranks	592 ^b	574.62	340172.50
	Ties	32 ^c		
	Total	1171		
a. KCPULANG < KCPERGI				
b. KCPULANG > KCPERGI				
c. KCPULANG = KCPERGI				
Test Statistics^a				
	KCPULANG - KCPERGI			
Z	-1.401 ^b			
Asymp. Sig. (2-tailed)	0.161			
a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.				

Uji Wilcoxon Kendaraan Uji 5 Koridor 1



		N	Mean Rank	Sum of Ranks
KCPULANG - KCPERGI	Negative Ranks	502 ^a	495.20	248591.00
	Positive Ranks	526 ^b	532.92	280315.00
	Ties	37 ^c		

	Total	106 5		
a. KCPULANG < KCPERGI				
b. KCPULANG > KCPERGI				
c. KCPULANG = KCPERGI				
Test Statistics^a				
	KCPULAN G - KCPERGI			
Z	-1.666 ^b			
Asymp. Sig. (2-tailed)	0.096			
a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.				

Sumber : Hasil Analisis (2023)

Uji Wilcoxon Kendaraan Uji 6 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
KCPULANG - KCPERGI	Negative Ranks	647 ^a	648.19	419376.00
	Positive Ranks	647 ^b	646.81	418489.00
	Ties	32 ^c		
	Total	1326		
a. KCPULANG < KCPERGI				
b. KCPULANG > KCPERGI				
c. KCPULANG = KCPERGI				
Test Statistics^a				
	KCPULAN G - KCPERGI			
Z	-.033 ^b			
Asymp. Sig. (2-tailed)	0.974			
a. Wilcoxon Signed Ranks Test				
b. Based on positive ranks.				

Sumber : Hasil Analisis (2023)

Uji Wilcoxon Kendaraan Uji 7 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
ANG7 - KCPERGI7	Negative Ranks	758 ^a	760.23	576253.00
	Positive Ranks	795 ^b	792.99	630428.00
	Ties	120 ^c		
	Total	1673		
ANG7 < KCPERGI7				



b. KCPULANG7 > KCPERGI7			
c. KCPULANG7 = KCPERGI7			
Test Statistics^a			
	KCPULANG 7 - KCPERGI7		
Z	-1.536 ^b		
Asymp. Sig. (2-tailed)	0.125		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			

Sumber : Hasil Analisis (2023)

Uji Wilcoxon Kendaraan Uji 8 Koridor 1

Ranks				
		N	Mean Rank	Sum of Ranks
KCPULANG8 - KCPERGI8	Negative Ranks	1064 ^a	1067.19	1135487.50
	Positive Ranks	1053 ^b	1050.73	1106415.50
	Ties	50 ^c		
	Total	2167		
a. KCPULANG8 < KCPERGI8				
b. KCPULANG8 > KCPERGI8				
c. KCPULANG8 = KCPERGI8				
Test Statistics^a				
	KCPULANG8 - KCPERGI8			
Z	-.517 ^b			
Asymp. Sig. (2-tailed)	0.605			
a. Wilcoxon Signed Ranks Test				
b. Based on positive ranks.				

Sumber : Hasil Analisis (2023)

Uji Wilcoxon Kendaraan Uji 9 Koridor 1

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG9 - KCPERGI9	Negative Ranks	354 ^a	380.60	134731.00
	Positive Ranks	405 ^b	379.48	153689.00
	Ties	23 ^c		
	Total	782		

ANG9 < KCPERGI9

ANG9 > KCPERGI9

ANG9 = KCPERGI9



	KCPULANG 9 - KCPERGI9
Z	-1.569 ^b
Asymp. Sig. (2-tailed)	0.117

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 1 Koridor 2

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG1 - KCPERGI1	Negative Ranks	238 ^a	252.70	60143.50
	Positive Ranks	240 ^b	226.41	54337.50
	Ties	12 ^c		
	Total	490		

a. KCPULANG1 < KCPERGI1

b. KCPULANG1 > KCPERGI1

c. KCPULANG1 = KCPERGI1

Test Statistics^a

	KCPULANG 1 - KCPERGI1
Z	-.961 ^b
Asymp. Sig. (2-tailed)	0.337

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

Sumber : Hasil Analisis (2023)

Uji Wilcoxon Kendaraan Uji 2 Koridor 1

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG2 - KCPERGI2	Negative Ranks	364 ^a	387.99	141228.00
	Positive Ranks	414 ^b	390.83	161803.00
	Ties	17 ^c		
	Total	795		

a. KCPULANG2 < KCPERGI2

ANG2 > KCPERGI2

ANG2 = KCPERGI2



tistics^a

	KCPULANG 2 - KCPERGI2
Z	-1.641 ^b
Asymp. Sig. (2-tailed)	0.101

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 3

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG3 - KCPERGI3	Negative Ranks	404 ^a	465.66	188128.50
	Positive Ranks	496 ^b	438.15	217321.50
	Ties	17 ^c		
	Total	917		

a. KCPULANG3 < KCPERGI3

b. KCPULANG3 > KCPERGI3

c. KCPULANG3 = KCPERGI3

Test Statistics^a

	KCPULANG 3 - KCPERGI3
Z	-1.872 ^b
Asymp. Sig. (2-tailed)	0.061

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 4 Koridor 2

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG4 - KCPERGI4	Negative Ranks	157 ^a	182.31	28622.00
	Positive Ranks	195 ^b	171.83	33506.00
	Ties	12 ^c		
	Total	364		

a. KCPULANG4 < KCPERGI4

b. KCPULANG4 > KCPERGI4

c. KCPULANG4 = KCPERGI4



Test Statistics^a

	KCPULANG 4 - KCPERGI4
Z	-1.278 ^b
Asymp. Sig. (2-tailed)	0.201

- a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 5 Koridor 2

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG9 - KCPERGI9	Negative Ranks	354 ^a	380.60	134731.00
	Positive Ranks	405 ^b	379.48	153689.00
	Ties	23 ^c		
	Total	782		

- a. KCPULANG9 < KCPERGI9
b. KCPULANG9 > KCPERGI9
c. KCPULANG9 = KCPERGI9

Test Statistics^a

	KCPULANG9 - KCPERGI9
Z	-1.569 ^b
Asymp. Sig. (2-tailed)	0.117

- a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 1 Koridor 3

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG12 - KCPERGI12	Negative Ranks	680 ^a	654.10	444785.00
	Positive Ranks	616 ^b	642.32	395671.00
	Ties	38 ^c		
	Total	1334		

- a. KCPULANG12 < KCPERGI12
b. KCPULANG12 > KCPERGI12
c. KCPULANG12 = KCPERGI12

Test Statistics^a

	KCPULANG12 - KCPERGI12
Z	-1.823 ^b
Asymp. Sig. (2-tailed)	0.068



- a. Wilcoxon Signed Ranks Test
b. Based on positive ranks.

Uji Wilcoxon Kendaraan Uji 2 Koridor 3

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG2 - KCPERGI2	Negative Ranks	721 ^a	712.65	513821.50
	Positive Ranks	738 ^b	746.95	551248.50
	Ties	42 ^c		
	Total	1501		

a. KCPULANG2 < KCPERGI2

b. KCPULANG2 > KCPERGI2

c. KCPULANG2 = KCPERGI2

Test Statistics^a

	KCPULANG 2 - KCPERGI2
Z	-1.163 ^b
Asymp. Sig. (2-tailed)	0.245

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 3 Koridor 3**Ranks**

		N	Mean Rank	Sum of Ranks
KCPULANG3 - KCPERGI3	Negative Ranks	838 ^a	862.45	722733.00
	Positive Ranks	824 ^b	800.02	659220.00
	Ties	49 ^c		
	Total	1711		

a. KCPULANG3 < KCPERGI3

b. KCPULANG3 > KCPERGI3

c. KCPULANG3 = KCPERGI3

Test Statistics^a

	KCPULANG 3 - KCPERGI3
Z	-1.623 ^b
Asymp. Sig. (2-tailed)	0.105

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

**xon Kendaraan Uji 4 Koridor 3**

	N	Mean Rank	Sum of Ranks
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KCPULANG4 - KCPERGI4	Negative Ranks	736 ^a	778.75	573156.50
	Positive Ranks	813 ^b	771.61	627318.50
	Ties	47 ^c		
	Total	1596		

a. KCPULANG4 < KCPERGI4

b. KCPULANG4 > KCPERGI4

c. KCPULANG4 = KCPERGI4

Test Statistics^a

	KCPULANG4 - KCPERGI4
Z	-1.538 ^b
Asymp. Sig. (2-tailed)	0.124

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 1 Koridor 4**Ranks**

		N	Mean Rank	Sum of Ranks
KCPULANG4 - KCPERGI4	Negative Ranks	390 ^a	445.31	173669.00
	Positive Ranks	463 ^b	411.58	190562.00
	Ties	41 ^c		
	Total	894		

a. KCPULANG4 < KCPERGI4

b. KCPULANG4 > KCPERGI4

c. KCPULANG4 = KCPERGI4

Test Statistics^a

	KCPULANG4 - KCPERGI4
Z	-1.174 ^b
Asymp. Sig. (2-tailed)	0.240

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 2 Koridor 4**Ranks**

		N	Mean Rank	Sum of Ranks
KCPULANG4 - KCPERGI4	Negative Ranks	535 ^a	511.33	273563.00
	Positive Ranks	516 ^b	541.21	279263.00
	Ties	21 ^c		
	Total	1072		

a. KCPULANG4 < KCPERGI4



b. KCPULANG4 > KCPERGI4

c. KCPULANG4 = KCPERGI4

Test Statistics^a

	KCPULANG 4 - KCPERGI4
Z	-.290 ^b
Asymp. Sig. (2-tailed)	0.772

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Uji Wilcoxon Kendaraan Uji 3 Koridor 4

Ranks

		N	Mean Rank	Sum of Ranks
KCPULANG4 - KCPERGI4	Negative Ranks	271 ^a	249.66	67657.00
	Positive Ranks	234 ^b	256.87	60108.00
	Ties	17 ^c		
	Total	522		

a. KCPULANG4 < KCPERGI4

b. KCPULANG4 > KCPERGI4

c. KCPULANG4 = KCPERGI4

Test Statistics^a

	KCPULANG 4 - KCPERGI4
Z	-1.151 ^b
Asymp. Sig. (2-tailed)	0.250

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.



Lampiran 5 Uji Statistik Kendaraan Setiap Interval

A. Koridor 1

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG12 Negative R	961 ^a	960,40	922947,00
Positive Ra	993 ^b	994,05	987088,00
Ties	159 ^c		
Total	2113		
a. KCPULANG12 < KCPRGI12 b. KCPULANG12 > KCPRGI12 c. KCPULANG12 = KCPRGI12			
Test Statistics^a			
ANG12 - KCPRGI12			
Z	-1,287 ^b		
Asymp. Sig.	0,198		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 2			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG13 Negative R	1190 ^a	1199,71	1427658,00
Positive Ra	1232 ^b	1222,89	1506595,00
Ties	170 ^c		
Total	2592		
a. KCPULANG13 < KCPRGI13 b. KCPULANG13 > KCPRGI13 c. KCPULANG13 = KCPRGI13			
Test Statistics^a			
ANG13 - KCPRGI13			
Z	-1,147 ^b		
Asymp. Sig.	0,251		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 3			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG14 Negative R	1190 ^a	1199,71	1427658,00
Positive Ra	1232 ^b	1222,89	1506595,00
Ties	170 ^c		
Total	2592		
a. KCPULANG < KCPRGI b. KCPULANG > KCPRGI c. KCPULANG = KCPRGI			
Test Statistics^a			
LANG - KCPRGI			
Z	-1,147 ^b		
Asymp. Sig.	0,251		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 4			

Ranks			
	N	Mean Rank	Sum of Ranks
PULANG15 Negative R	1145 ^a	1129,77	1293584,00
Positive Ra	1166 ^b	1181,76	1377932,00
Ties	175 ^c		
Total	2486		
a. PULANG15 < PERGI15 b. PULANG15 > PERGI15 c. PULANG15 = PERGI15			
Test Statistics^a			
ANG15 - PERGI15			
Z	-1,315 ^b		
Asymp. Sig.	0,188		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 5			

Ranks			
	N	Mean Rank	Sum of Ranks
PULANG16 Negative R	1290 ^a	1285,54	1658341,00
Positive Ra	1287 ^b	1292,47	1663412,00
Ties	170 ^c		
Total	2747		
a. PULANG16 < PERGI16 b. PULANG16 > PERGI16 c. PULANG16 = PERGI16			
Test Statistics^a			
ANG16 - PERGI16			
Z	-.067 ^b		
Asymp. Sig.	0,946		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 6			

Ranks			
	N	Mean Rank	Sum of Ranks
PULANG17 Negative R	1401 ^a	1405,44	1968615,00
Positive Ra	1435 ^b	1431,25	2064844,00
Ties	258 ^c		
Total	3094		
a. PULANG17 < PERGI17 b. PULANG17 > PERGI17 c. PULANG17 = PERGI17			
Test Statistics^a			
ANG17 - PERGI17			
Z	-.974 ^b		
Asymp. Sig.	0,330		
a. Wilcoxon Signed Ranks Test b. Based on positive ranks.			
K. Uji 1 Terhadap K. Uji 7			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG18 Negative R	1655 ^a	1704,49	2820925,00
Positive Ra	1689 ^b	1641,16	2771915,00
Ties	244 ^c		
Total	3588		
a. KCPULANG18 < KCPRGI18 b. KCPULANG18 > KCPRGI18 c. KCPULANG18 = KCPRGI18			
Test Statistics^a			
ANG18 - KCPRGI18			
Z	-.439 ^b		
Asymp. Sig.	0,660		
a. Wilcoxon Signed Ranks Test b. Based on positive ranks.			
K. Uji 1 Terhadap K. Uji 8			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG19 Negative R	937 ^a	932,89	874120,50
Positive Ra	932 ^b	937,12	873394,50
Ties	210 ^c		
Total	2079		
a. KCPULANG19 < KCPRGI19 b. KCPULANG19 > KCPRGI19 c. KCPULANG19 = KCPRGI19			
Test Statistics^a			
ANG19 - KCPRGI19			
Z	-.016 ^b		
Asymp. Sig.	0,988		
a. Wilcoxon Signed Ranks Test b. Based on positive ranks.			
K. Uji 1 Terhadap K. Uji 9			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG20 Negative R	816 ^a	842,65	687538,50
Positive Ra	906 ^b	878,48	795904,50
Ties	56 ^c		
Total	1778		
a. KCPULANG20 < KCPRGI20 b. KCPULANG20 > KCPRGI20 c. KCPULANG20 = KCPRGI20			
Test Statistics^a			
ANG20 - KCPRGI20			
Z	-2,625 ^b		
Asymp. Sig.	0,087		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 3			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG21 Negative R	865 ^a	895,16	774309,50
Positive Ra	945 ^b	914,97	864645,50
Ties	53 ^c		
Total	1863		
a. KCPULANG21 < KCPRGI21 b. KCPULANG21 > KCPRGI21 c. KCPULANG21 = KCPRGI21			
Test Statistics^a			
ANG21 - KCPRGI21			
Z	-2,032 ^b		
Asymp. Sig.	0,422		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 4			



Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative F	820 ^a	824,26	675894,50
Positive R:	879 ^b	874,01	768255,50
Ties	58 ^c		
Total	1757		
a. KCPULANG < KCPERGI b. KCPULANG > KCPERGI c. KCPULANG = KCPERGI			
Test Statistics^a			
LANG - KCPERGI			
Z	-2,284 ^b		
Asymp. Sig.	0,760		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 5			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative F	965 ^a	977,78	943561,00
Positive R:	1000 ^b	988,03	988034,00
Ties	53 ^c		
Total	2018		
a. KCPULANG < KCPERGI b. KCPULANG > KCPERGI c. KCPULANG = KCPERGI			
Test Statistics^a			
LANG - KCPERGI			
Z	-,884 ^b		
Asymp. Sig.	0,377		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 6			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative F	1076 ^a	1085,46	*****
Positive R:	1148 ^b	1137,85	*****
Ties	141 ^c		
Total	2365		
a. KCPULANG < KCPERGI b. KCPULANG > KCPERGI c. KCPULANG = KCPERGI			
Test Statistics^a			
LANG - KCPERGI			
Z	-2,286 ^b		
Asymp. Sig.	0,062		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 7			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative F	1382 ^a	1396,89	*****
Positive R:	1406 ^b	1392,15	*****
Ties	71 ^c		
Total	2859		
a. KCPULANG < KCPERGI b. KCPULANG > KCPERGI c. KCPULANG = KCPERGI			
Test Statistics^a			
LANG - KCPERGI			
Z	-,316 ^b		
Asymp. Sig.	0,752		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 8			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative F	612 ^a	616,25	377143,50
Positive R:	645 ^b	641,10	413509,50
Ties	93 ^c		
Total	1350		
a. KCPULANG < KCPERGI b. KCPULANG > KCPERGI c. KCPULANG = KCPERGI			
Test Statistics^a			
LANG - KCPERGI			
Z	-1,413 ^b		
Asymp. Sig.	0,158		
a. Wilcoxon Signed Ranks Test b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 9			

| | | | | | |---|---------------------|-----------|--------------| | Ranks | | | | | | N | Mean Rank | Sum of Ranks | | KCPULAN Negative Ra | 1046 ^a | 1080,74 | ***** | | Positive Ra | 1138 ^b | 1103,31 | ***** | | Ties | 73 ^c | | | | Total | 2257 | | | | a. KCPULANG < KCPERGI
b. KCPULANG > KCPERGI
c. KCPULANG = KCPERGI | | | | | Test Statistics^a | | | | | LANG - KCPERGI | | | | | Z | -2,123 ^b | | | | Asymp. Sig. | 0,338 | | | | a. Wilcoxon Signed Ranks Test
b. Based on negative ranks. | | | | | K. Uji 3 Terhadap K. Uji 4 | | | | | | | | | | |---|---------------------|-----------|--------------| | Ranks | | | | | | N | Mean Rank | Sum of Ranks | | KCPULAN Negative Ra | 1001 ^a | 1007,23 | 1008239,50 | | Positive Ra | 1066 ^b | 1059,14 | 1129038,50 | | Ties | 78 ^c | | | | Total | 2145 | | | | a. KCPULANG < KCPERGI
b. KCPULANG > KCPERGI
c. KCPULANG = KCPERGI | | | | | Test Statistics^a | | | | | LANG - KCPERGI | | | | | Z | -2,226 ^b | | | | Asymp. Sig. | 0,260 | | | | a. Wilcoxon Signed Ranks Test
b. Based on negative ranks. | | | | | K. Uji 3 Terhadap K. Uji 5 | | | | | | | | | | |---|---------------------|-----------|--------------| | Ranks | | | | | | N | Mean Rank | Sum of Ranks | | KCPULAN Negative Ra | 1146 ^a | 1163,49 | 1333359,50 | | Positive Ra | 1193 ^b | 1176,25 | 1403270,50 | | Ties | 73 ^c | | | | Total | 2412 | | | | a. KCPULANG < KCPERGI
b. KCPULANG > KCPERGI
c. KCPULANG = KCPERGI | | | | | Test Statistics^a | | | | | LANG - KCPERGI | | | | | Z | -1,070 ^b | | | | Asymp. Sig. | 0,284 | | | | a. Wilcoxon Signed Ranks Test
b. Based on negative ranks. | | | | | K. Uji 3 Terhadap K. Uji 6 | | | | | | | | | | |---|---------------------|-----------|--------------| | Ranks | | | | | | N | Mean Rank | Sum of Ranks | | PULANG37 Negative Ra | 1257 ^a | 1270,69 | ***** | | Positive Ra | 1341 ^b | 1326,50 | ***** | | Ties | 161 ^c | | | | Total | 2759 | | | | a. PULANG37 < PERGI37
b. PULANG37 > PERGI37
c. PULANG37 = PERGI37 | | | | | Test Statistics^a | | | | | LANG37 - PERGI37 | | | | | Z | -2,377 ^b | | | | Asymp. Sig. | 0,175 | | | | a. Wilcoxon Signed Ranks Test
b. Based on negative ranks. | | | | | K. Uji 3 Terhadap K. Uji 7 | | | | | | | | | | |---|--------------------|-----------|--------------| | Ranks | | | | | | N | Mean Rank | Sum of Ranks | | KCPULAN Negative Ra | 1563 ^a | 1581,66 | ***** | | Positive Ra | 1599 ^b | 1581,35 | ***** | | Ties | 91 ^c | | | | Total | 3253 | | | | a. KCPULANG < KCPERGI
b. KCPULANG > KCPERGI
c. KCPULANG = KCPERGI | | | | | Test Statistics^a | | | | | LANG - KCPERGI | | | | | Z | -,550 ^b | | | | Asymp. Sig. | 0,582 | | | | a. Wilcoxon Signed Ranks Test
b. Based on negative ranks. | | | | | K. Uji 3 Terhadap K. Uji 8 | | | | |


Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	793 ^a	800,91	635122,00
Positive Ra	838 ^b	830,28	695774,00
Ties	113 ^c		
Total	1744		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-1,595 ^b		
Asymp. Sig.	0,111		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 3 Terhadap K. Uji 9			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1049 ^a	1060,61	1112580,50
Positive Ra	1118 ^b	1105,95	1236447,50
Ties	69 ^c		
Total	2236		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-2,127 ^b		
Asymp. Sig.	0,335		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 4 Terhadap K. Uji 5			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1194 ^a	1212,19	1447360,00
Positive Ra	1239 ^b	1221,63	1513601,00
Ties	64 ^c		
Total	2497		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-,956 ^b		
Asymp. Sig.	0,339		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 4 Terhadap K. Uji 6			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1305 ^a	1333,36	1740038,50
Positive Ra	1387 ^b	1358,86	1884739,50
Ties	152 ^c		
Total	2844		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-1,795 ^b		
Asymp. Sig.	0,073		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 4 Terhadap K. Uji 7			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1611 ^a	1631,34	2628093,50
Positive Ra	1645 ^b	1625,72	2674302,50
Ties	82 ^c		
Total	3338		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-,431 ^b		
Asymp. Sig.	0,667		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 4 Terhadap K. Uji 8			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	841 ^a	854,96	719020,50
Positive Ra	884 ^b	870,65	769654,50
Ties	104 ^c		
Total	1829		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-1,224 ^b		
Asymp. Sig.	0,221		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 4 Terhadap K. Uji 9			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1149 ^a	1144,14	1314613,50
Positive Ra	1173 ^b	1178,51	1382389,50
Ties	69 ^c		
Total	2391		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-1,049 ^b		
Asymp. Sig.	0,294		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 5 Terhadap K. Uji 6			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1260 ^a	1257,80	1584822,50
Positive Ra	1321 ^b	1322,67	1747248,50
Ties	157 ^c		
Total	2738		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-2,147 ^b		
Asymp. Sig.	0,318		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 5 Terhadap K. Uji 7			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1566 ^a	1562,83	2447398,00
Positive Ra	1579 ^b	1583,08	2499687,00
Ties	87 ^c		
Total	3232		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-,514 ^b		
Asymp. Sig.	0,608		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 5 Terhadap K. Uji 8			

Ranks			
	N	Mean Rank	Sum of Ranks
KCPULAN Negative Ra	1149 ^a	1144,14	1314613,50
Positive Ra	1173 ^b	1178,51	1382389,50
Ties	69 ^c		
Total	2391		
a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI			
Test Statistics ^a			
LANG - KCPERGI			
Z	-1,049 ^b		
Asymp. Sig.	0,294		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 5 Terhadap K. Uji 9			



Ranks				Ranks				Ranks				Ranks				Ranks			
	N	Mean Rank	Sum of Ranks		N	Mean Rank	Sum of Ranks		N	Mean Rank	Sum of Ranks		N	Mean Rank	Sum of Ranks		N	Mean Rank	Sum of Ranks
KCPULAN(Negative Ra	1405 ^a	1418,51	1993005,00	KCPULAN(Negative Ra	1711 ^a	1714,66	2933791,00	KCPULAN(Negative Ra	941 ^a	939,83	884378,00	KCPULAN(Negative Ra	1822 ^a	1837,26	3347490,50	KCPULAN(Negative Ra	1052 ^a	1055,44	#####
Positive Ran	1442 ^b	1429,35	2061123,00	Positive Ran	1700 ^b	1697,28	2885375,00	Positive Ran	939 ^b	941,17	883762,00	Positive Ra	1848 ^b	1833,76	3388794,50	Positive Ra	1087 ^b	1084,09	#####
Ties	152 ^c			Ties	82 ^c			Ties	104 ^c			Ties	170 ^c			Ties	192 ^c		
Total	2999			Total	3493			Total	1984			Total	3840			Total	2331		
a. KCPULANG < KCPERGI				a. KCPULANG < KCPERGI				a. KCPULANG < KCPERGI				a. KCPULANG78 < KCPERGI78				a. KCPULANG < KCPERGI			
b. KCPULANG > KCPERGI				b. KCPULANG > KCPERGI				b. KCPULANG > KCPERGI				b. KCPULANG78 > KCPERGI78				b. KCPULANG > KCPERGI			
c. KCPULANG = KCPERGI				c. KCPULANG = KCPERGI				c. KCPULANG = KCPERGI				c. KCPULANG78 = KCPERGI78				c. KCPULANG = KCPERGI			
Test Statistics^a				Test Statistics^a				Test Statistics^a				Test Statistics^a				Test Statistics^a			
LANG - KCPERGI				LANG - KCPERGI				LANG - KCPERGI				LANG78 - KCPERGI78				LANG - KCPERGI			
Z	-,777 ^b			Z	-,421 ^b			Z	-,013 ^b			Z	-,322 ^b			Z	-1,194 ^b		
Asymp. Sig.	0,437			Asymp. Sig.	0,674			Asymp. Sig.	0,990			Asymp. Sig.	0,748			Asymp. Sig.	0,232		
a. Wilcoxon Signed Ranks Test				a. Wilcoxon Signed Ranks Test				a. Wilcoxon Signed Ranks Test				a. Wilcoxon Signed Ranks Test				a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.				b. Based on positive ranks.				b. Based on positive ranks.				b. Based on negative ranks.				b. Based on negative ranks.			
K. Uji 6 Terhadap K. Uji 7				K. Uji 6 Terhadap K. Uji 8				K. Uji 6 Terhadap K. Uji 9				K. Uji 7 Terhadap K. Uji 8				K. Uji 7 Terhadap K. Uji 9			
Ranks																			
	N	Mean Rank	Sum of Ranks																
KCPULAN(Negative Ra	1358 ^a	1357,48	1843462,00																
Positive Ran	1345 ^b	1346,46	1810994,00																
Ties	122 ^c																		
Total	2825																		
a. KCPULANG89 < KCPERGI89																			
b. KCPULANG89 > KCPERGI89																			
c. KCPULANG89 = KCPERGI89																			
Test Statistics^a																			
LANG89 - KCPERGI89																			
Z	-,400 ^b																		
Asymp. Sig.	0,689																		
a. Wilcoxon Signed Ranks Test																			
b. Based on positive ranks.																			
K. Uji 8 Terhadap K. Uji 9																			



B. Koridor 2

Ranks					Ranks					Ranks					Ranks					Ranks					Ranks				
	N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks	
KCPULAN(Negative Ran	602 ^a	640,75	385733,50		KCPULAN(Negative Ran	642 ^a	718,48	461264,50		KCPULAN(Negative Ran	395 ^a	435,65	172083,00		KCPULAN(Negative Ran	589 ^a	633,64	373216,00		KCPULAN(Negative Ran	768 ^a	851,62	654040,50		KCPULAN(Negative Ran	508 ^a	561,27	285123,50	
Positive Ran	654 ^b	617,22	403662,50		Positive Ran	736 ^b	664,22	488866,50		Positive Ran	435 ^b	397,20	172782,00		Positive Ran	651 ^b	608,61	396204,00		Positive Ran	910 ^b	829,28	754640,50		Positive Ran	606 ^b	554,34	335931,50	
Ties	29 ^c				Ties	29 ^c				Ties	24 ^c				Ties	32 ^c				Ties	34 ^c				Ties	32 ^c			
Total	1285				Total	1407				Total	854				Total	1272				Total	1712				Total	1146			
a. KCPULANG12 < KCPERGI12					a. KCPULANG13 < KCPERGI13					a. KCPULANG14 < KCPERGI14					a. KCPULANG15 < KCPERGI115					a. KCPULANG23 < KCPERGI23					a. KCPULANG45 < KCPERGI45				
b. KCPULANG12 > KCPERGI12					b. KCPULANG13 > KCPERGI13					b. KCPULANG14 > KCPERGI14					b. KCPULANG15 > KCPERGI115					b. KCPULANG23 > KCPERGI23					b. KCPULANG45 > KCPERGI45				
c. KCPULANG12 = KCPERGI12					c. KCPULANG13 = KCPERGI13					c. KCPULANG14 = KCPERGI14					c. KCPULANG15 = KCPERGI115					c. KCPULANG23 = KCPERGI23					c. KCPULANG45 = KCPERGI45				
Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a				
ANG12 - KCPERGI12					ANG13 - KCPERGI13					ANG14 - KCPERGI14					ANG15 - KCPERGI115					ANG23 - KCPERGI23					ANG45 - KCPERGI45				
Z		-.697 ^b			Z		-.934 ^b			Z		-.051 ^b			Z		-.911 ^b			Z		-2.534 ^b			Z		-2.366 ^b		
Asymp. Sig.		0,486			Asymp. Sig.		0,350			Asymp. Sig.		0,960			Asymp. Sig.		0,362			Asymp. Sig.		0,113			Asymp. Sig.		0,080		
a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.				
K. Uji 1 Terhadap K. Uji 2					K. Uji 1 Terhadap K. Uji 3					K. Uji 1 Terhadap K. Uji 4					K. Uji 1 Terhadap K. Uji 5					K. Uji 2 Terhadap K. Uji 3					K. Uji 2 Terhadap K. Uji 5				
Ranks					Ranks					Ranks					Ranks					Ranks					Ranks				
	N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks	
KCPULAN(Negative Ran	521 ^a	569,13	296514,50		KCPULAN(Negative Ran	715 ^a	767,36	548659,00		KCPULAN(Negative Ran	561 ^a	647,41	363197,50		KCPULAN(Negative Ran	755 ^a	843,36	636735,50		KCPULAN(Negative Ran	508 ^a	561,27	285123,50		KCPULAN(Negative Ran	508 ^a	561,27	285123,50	
Positive Ran	609 ^b	562,40	342500,50		Positive Ran	825 ^b	773,23	637911,00		Positive Ran	691 ^b	609,52	421180,50		Positive Ran	907 ^b	821,63	745217,50		Positive Ran	606 ^b	554,34	335931,50		Positive Ran	606 ^b	554,34	335931,50	
Ties	29 ^c				Ties	37 ^c				Ties	29 ^c				Ties	37 ^c				Ties	32 ^c				Ties	32 ^c			
Total	1159				Total	1577				Total	1281				Total	1699				Total	1146				Total	1146			
a. KCPULANG24 < KCPERGI24					a. KCPULANG25 < KCPERGI25					a. KCPULANG34 < KCPERGI34					a. KCPULANG35 < KCPERGI35					a. KCPULANG45 < KCPERGI45					a. KCPULANG45 < KCPERGI45				
b. KCPULANG24 > KCPERGI24					b. KCPULANG25 > KCPERGI25					b. KCPULANG34 > KCPERGI34					b. KCPULANG35 > KCPERGI35					b. KCPULANG45 > KCPERGI45					b. KCPULANG45 > KCPERGI45				
c. KCPULANG24 = KCPERGI24					c. KCPULANG25 = KCPERGI25					c. KCPULANG34 = KCPERGI34					c. KCPULANG35 = KCPERGI35					c. KCPULANG45 = KCPERGI45					c. KCPULANG45 = KCPERGI45				
Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a				
ANG24 - KCPERGI24					ANG25 - KCPERGI25					ANG34 - KCPERGI34					ANG35 - KCPERGI35					ANG45 - KCPERGI45					ANG45 - KCPERGI45				
Z		-2.096 ^b			Z		-2.557 ^b			Z		-2.266 ^b			Z		-2.772 ^b			Z		-2.366 ^b			Z		-2.366 ^b		
Asymp. Sig.		0,610			Asymp. Sig.		0,106			Asymp. Sig.		0,445			Asymp. Sig.		0,056			Asymp. Sig.		0,080			Asymp. Sig.		0,080		
a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test				
b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.					b. Based on negative ranks.				
K. Uji 2 Terhadap K. Uji 5					K. Uji 2 Terhadap K. Uji 5					K. Uji 3 Terhadap K. Uji 4					K. Uji 3 Terhadap K. Uji 5					K. Uji 3 Terhadap K. Uji 5					K. Uji 4 Terhadap K. Uji 5				



C. Koridor 3

Ranks				Ranks				Ranks				Ranks				Ranks			
		N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks
KCPULANG12	Negative Rank	1403 ^a	1367,30	1918317,00	KCPULANG13	Negative Rank	1520 ^a	1517,89	2307193,00	KCPULANG14	Negative Rank	1418 ^a	1435,96	2036192,50	KCPULANG23	Negative Rank	1421 ^a	1412,65	1913821,50
	Positive Rank	1352 ^b	1389,11	1878073,00		Positive Rank	1438 ^b	1438,92	2069168,00		Positive Rank	1427 ^b	1410,12	2012242,50		Positive Rank	1338 ^b	1346,95	1851248,50
	Ties	80 ^c				Ties	87 ^c				Ties	85 ^c				Ties	83 ^c		
	Total	2835				Total	3045				Total	2930				Total	2759		
a. KCPULANG12 < KCPERGI12					a. KCPULANG13 < KCPERGI13					a. KCPULANG14 < KCPERGI14					a. KCPULANG23 < KCPERGI23				
b. KCPULANG12 > KCPERGI12					b. KCPULANG13 > KCPERGI13					b. KCPULANG14 > KCPERGI14					b. KCPULANG23 > KCPERGI23				
c. KCPULANG12 = KCPERGI12					c. KCPULANG13 = KCPERGI13					c. KCPULANG14 = KCPERGI14					c. KCPULANG23 = KCPERGI23				
Test Statistics^a					Test Statistics^a					Test Statistics^a					Test Statistics^a				
LANG12 - KCPERGI12					LANG13 - KCPERGI13					LANG14 - KCPERGI14					LANG23 - KCPERGI23				
Z		-1.482 ^b			Z		-2.563 ^b			Z		-.273 ^b			Z		-1.163 ^b		
Asymp. Sig.		0,630			Asymp. Sig.		0,104			Asymp. Sig.		0,785			Asymp. Sig.		0,245		
a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test					a. Wilcoxon Signed Ranks Test				
b. Based on positive ranks.					b. Based on positive ranks.					b. Based on positive ranks.					b. Based on negative ranks.				
K. Uji 1 Terhadap K. Uji 2					K. Uji 1 Terhadap K. Uji 3					K. Uji 1 Terhadap K. Uji 4					K. Uji 2 Terhadap K. Uji 3				
Ranks				Ranks				Ranks				Ranks				Ranks			
		N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks			N	Mean Rank	Sum of Ranks
KCPULANG34	Negative Rank	1538 ^a	862,45	1822733,00															
	Positive Rank	1524 ^b	800,02	1759220,00															
	Ties	14 ^c																	
	Total	3062																	
a. KCPULANG34 < KCPERGI34																			
b. KCPULANG34 > KCPERGI34																			
c. KCPULANG34 = KCPERGI34																			
Test Statistics^a																			
LANG34 - KCPERGI34																			
Z		-1.623 ^b																	
Asymp. Sig.																			
a. Wilcoxon Signed Ranks Test																			
b. Based on positive ranks.																			



D. Koridor 4

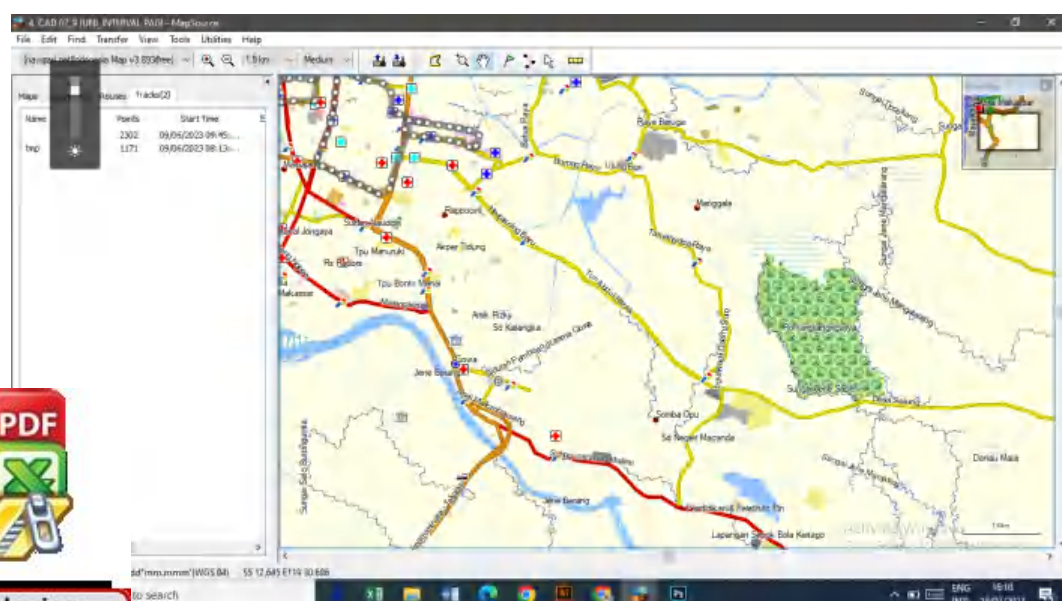
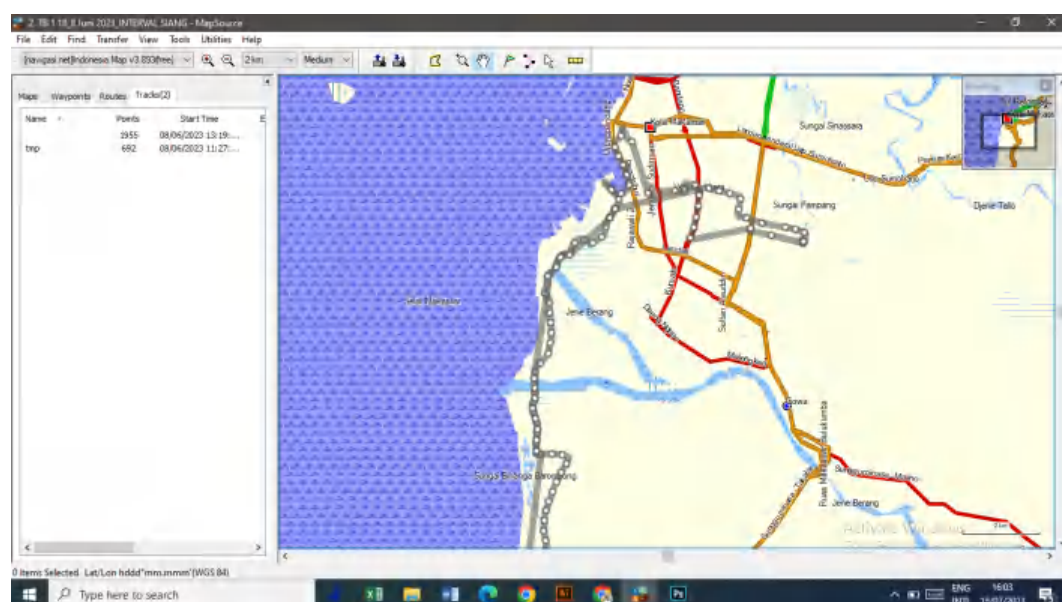
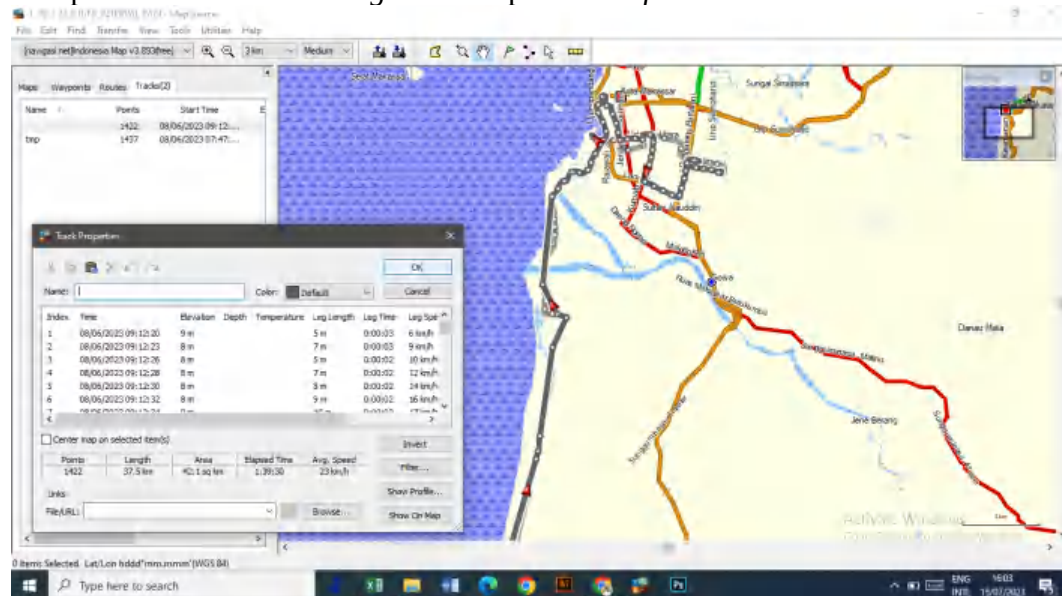
Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG12 (Negative Ranks)	1236 ^a	1228,75	973156,50
Positive Ranks	1213 ^b	1210,61	827318,50
Ties	23 ^c		
Total	2449		
a. KCPULANG12 < KCPERGI12			
b. KCPULANG12 > KCPERGI12			
c. KCPULANG12 = KCPERGI12			
Test Statistics ^a			
KCPULANG12 - KCPERGI12			
Z	-1.538 ^b		
Asymp. Sig.	0,446		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 2			

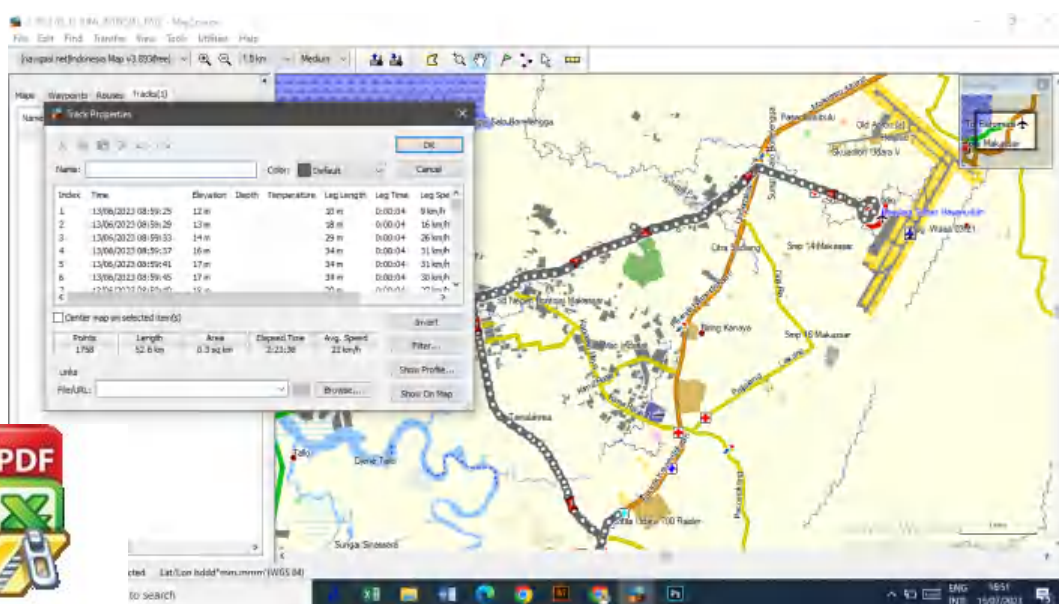
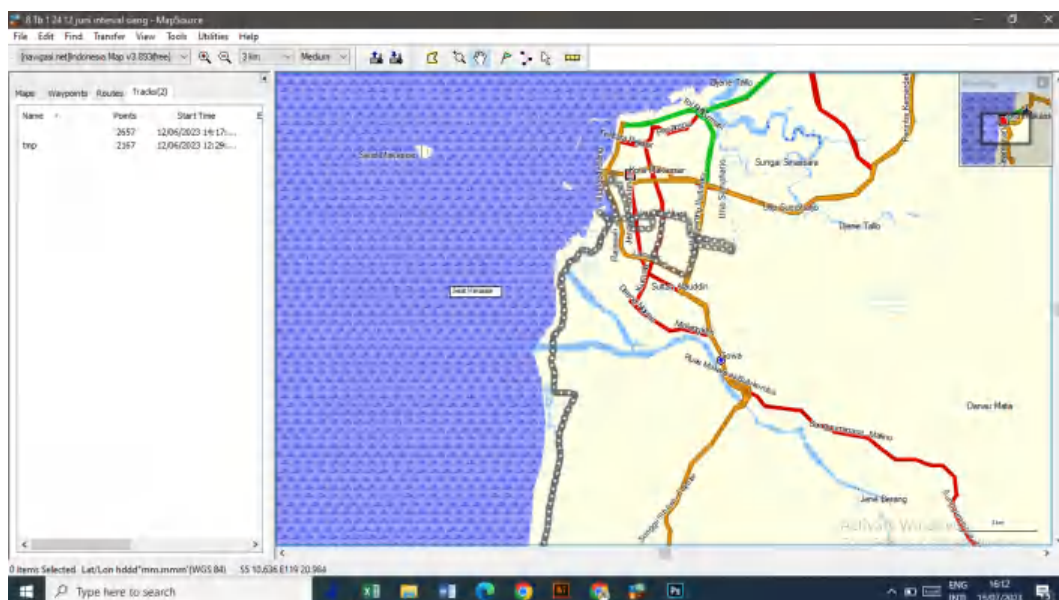
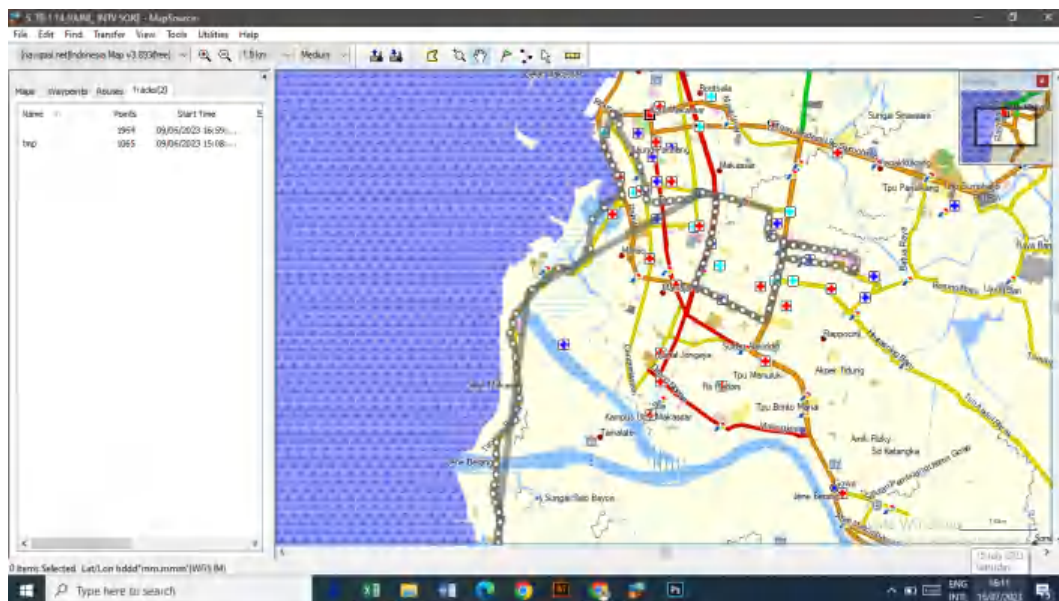
Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG13 (Negative Ranks)	1202 ^a	1193,52	930203,40
Positive Ranks	1253 ^b	1249,47	848388,30
Ties	51 ^c		
Total	2455		
a. KCPULANG13 < KCPERGI13			
b. KCPULANG13 > KCPERGI13			
c. KCPULANG13 = KCPERGI13			
Test Statistics ^a			
KCPULANG13 - KCPERGI13			
Z	-1.451 ^b		
Asymp. Sig.	0,590		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 1 Terhadap K. Uji 3			

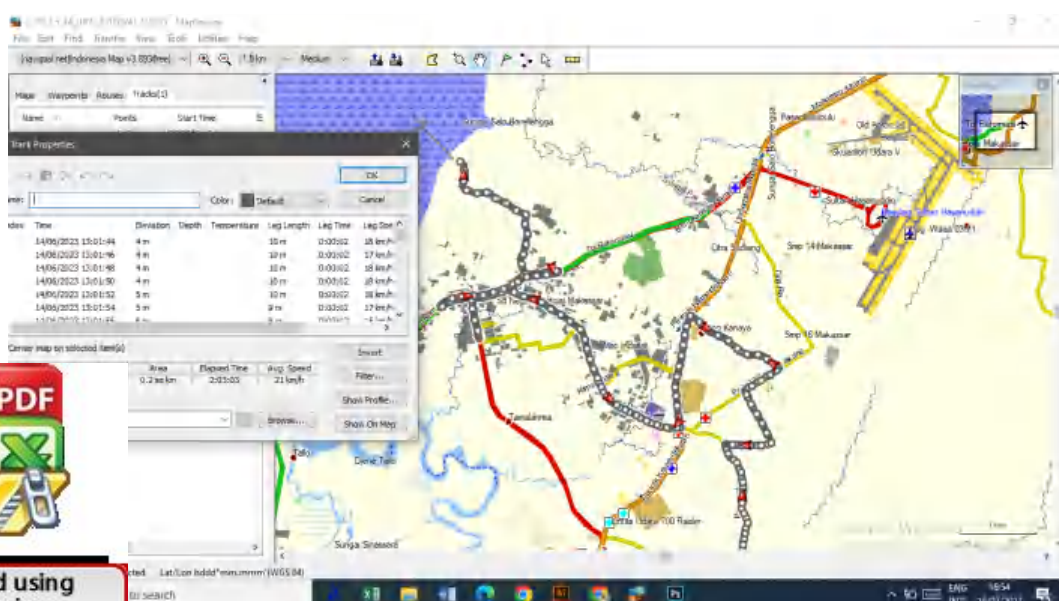
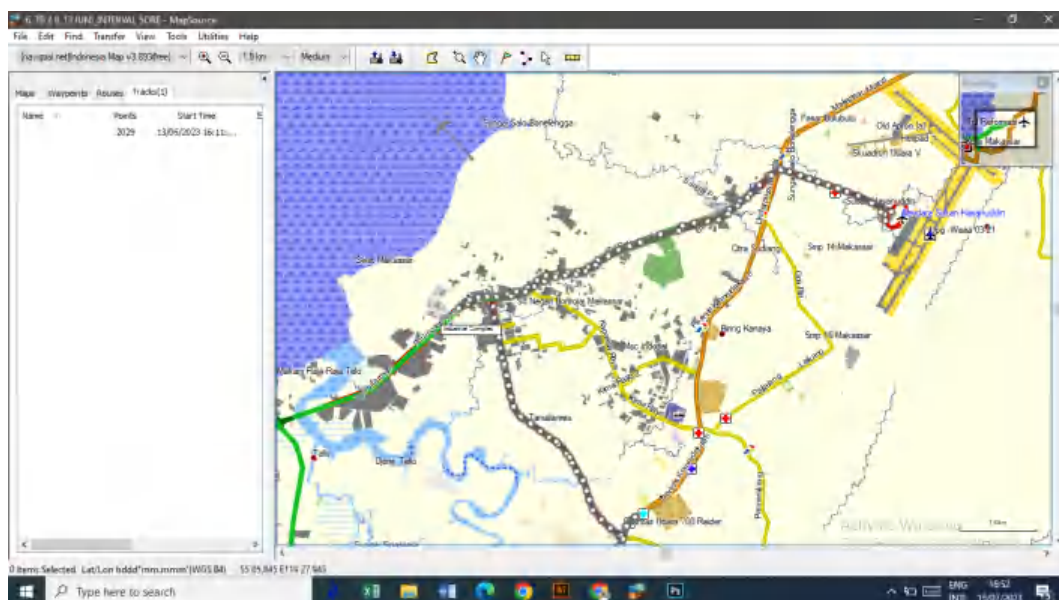
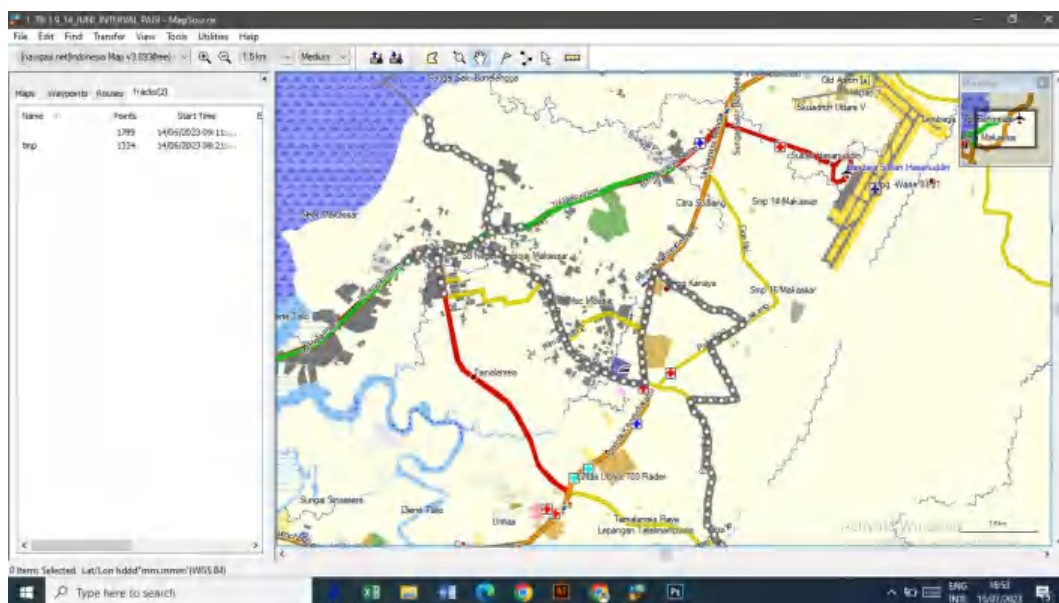
Ranks			
	N	Mean Rank	Sum of Ranks
KCPULANG23 (Negative Ranks)	1187 ^a	1179,46	983023,30
Positive Ranks	1229 ^b	1218,71	858298,30
Ties	42 ^c		
Total	2416		
a. KCPULANG23 < KCPERGI23			
b. KCPULANG23 > KCPERGI23			
c. KCPULANG23 = KCPERGI23			
Test Statistics ^a			
KCPULANG23 - KCPERGI23			
Z	-1.536 ^b		
Asymp. Sig.	0,365		
a. Wilcoxon Signed Ranks Test			
b. Based on negative ranks.			
K. Uji 2 Terhadap K. Uji 3			

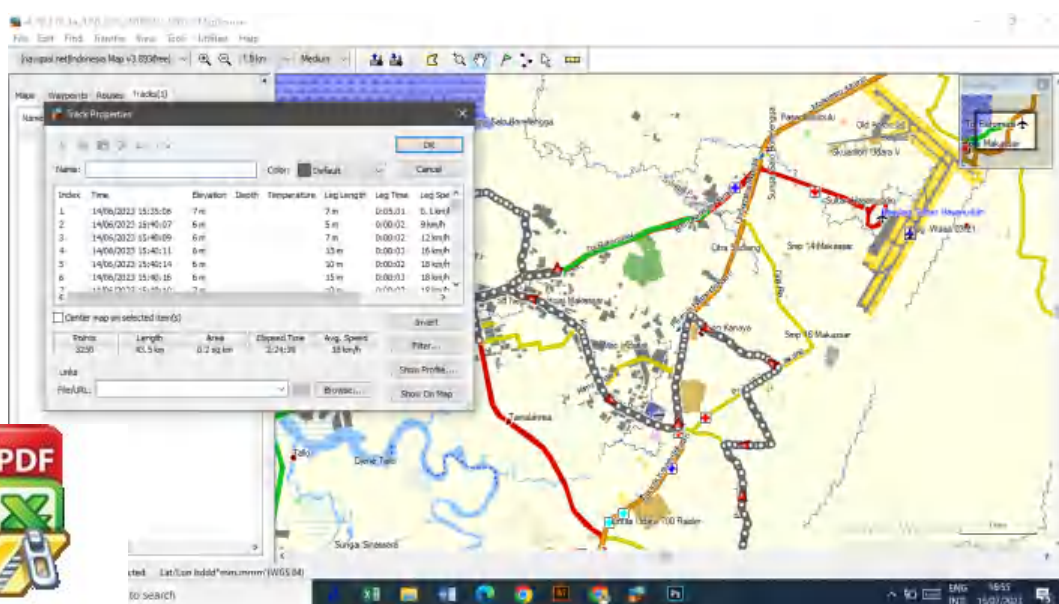
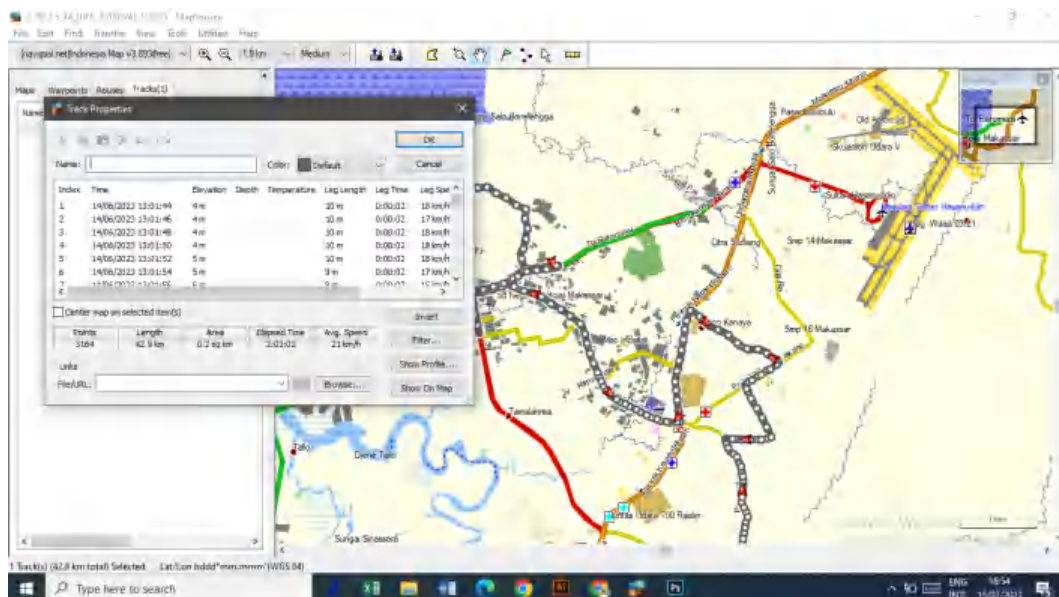
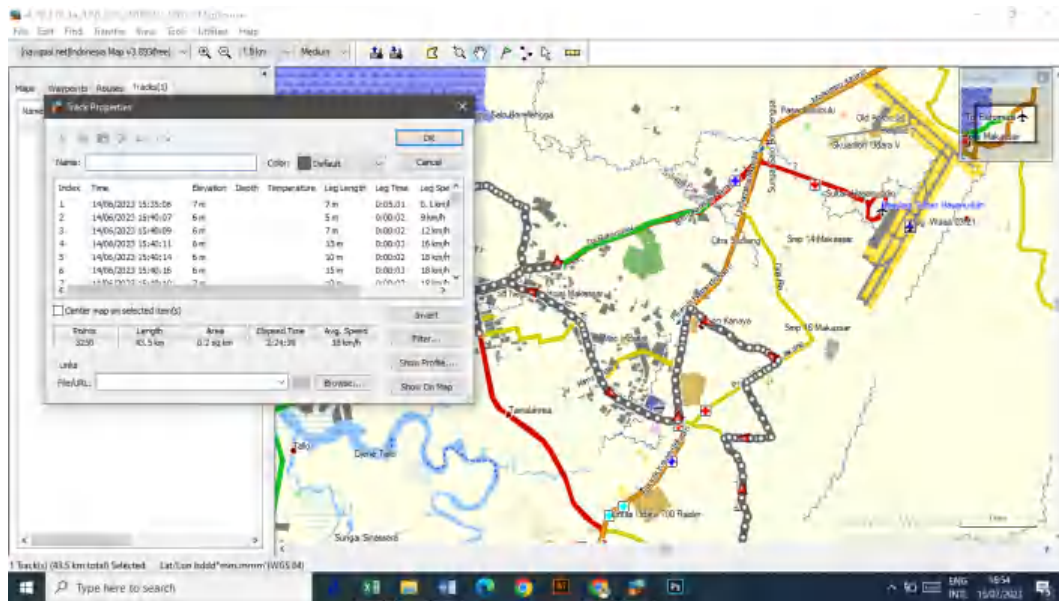


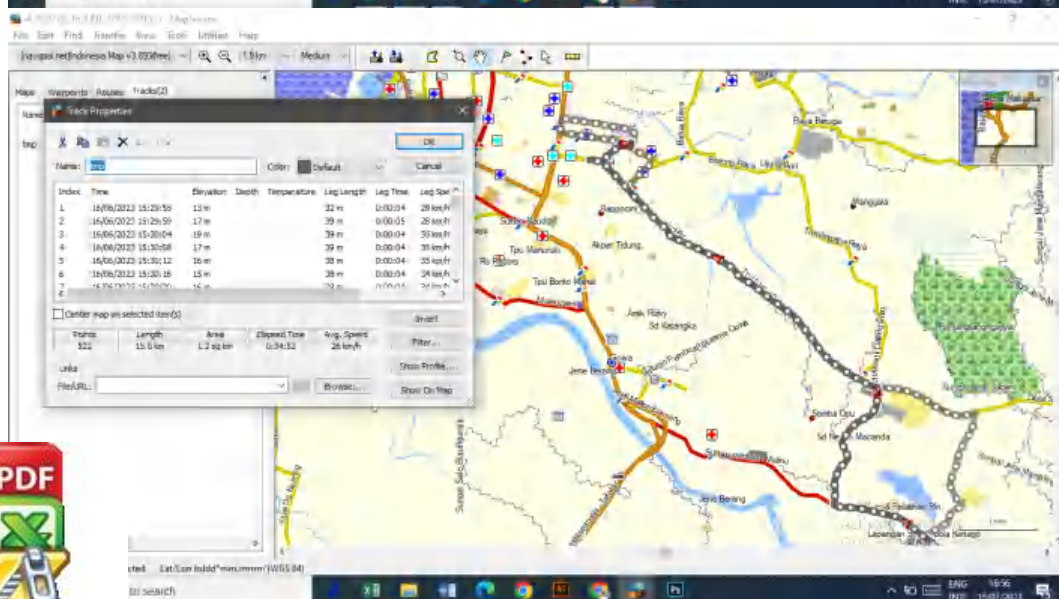
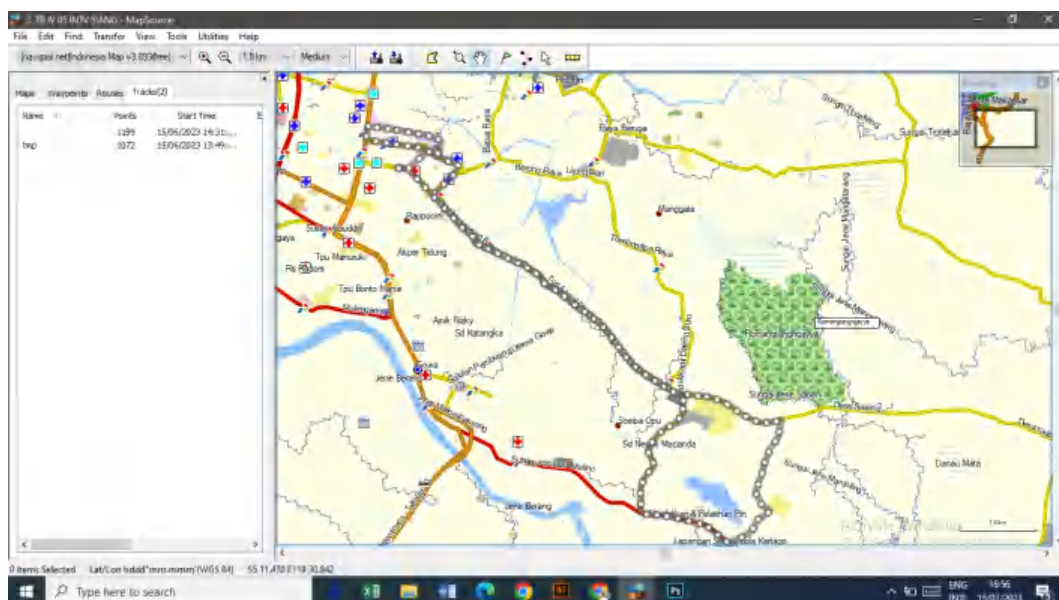
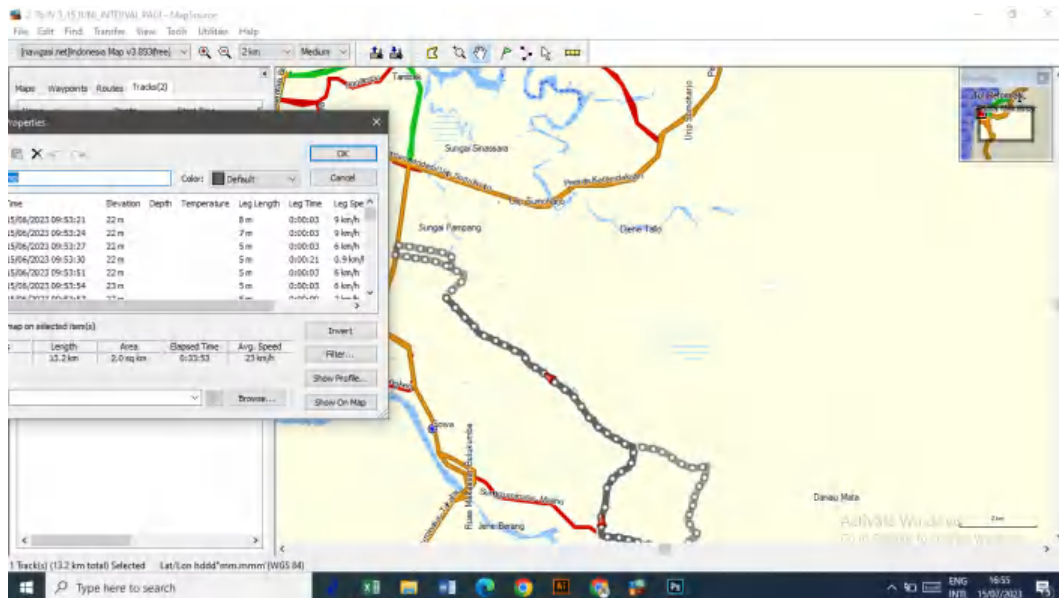
Lampiran 6 Contoh Tracking GPS di aplikasi Mapsource











Lampiran 7 Konversi Satuan Faktor Emisi

A. Karbon Monoksida (CO)

Di bawah ini merupakan contoh perhitungan konversi satuan FE CO.

Diketahui :

FE CO kendaraan uji 1 koridor 1 = 11 gram/km

Jarak tempuh kendaraan uji 1 koridor 1 = 596,5 km

Waktu tempuh kendaraan uji 1 koridor 1 = 29,43 jam

Ditanya :

FE CO = . . . (gram/jam)

Jawab :

$$FE\ CO = 11 \frac{gram}{km} \times \frac{596,5\ km}{29,43\ jam}$$

$$FE\ CO = 222,94\ gram/jam$$

Koridor 1

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	I-22	11	30.60	1.33	252.71
2	I-18	11	28.30	1.45	214.98
3	I-12	11	29.50	1.40	231.92
4	I-7	11	29.40	1.35	239.90
5	I-14	11	29.10	1.49	215.11
6	I-11	11	28.50	1.65	189.90
7	I-1	11	30.00	1.76	187.47
8	I-24	11	31.70	1.53	228.36
9	I-25	11	29.80	1.49	220.70

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	I-22	11	37.50	1.66	248.74
2	I-18	11	36.30	1.80	221.90
3	I-12	11	36.70	1.92	210.60
4	I-7	11	36.30	1.73	230.59
5	I-14	11	37.00	1.81	224.31
	I-11	11	35.50	1.86	209.85
	I-1	11	37.00	1.65	246.17
	I-24	11	36.50	1.78	225.39
	I-25	11	36.80	1.78	227.84



Koridor 2

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	II-7	11	25.9	1.26	226.51
2	II-5	11	25.4	1.23	227.67
3	II-10	11	26.4	1.20	241.61
4	II-11	11	26.5	1.26	231.60
5	II-13	11	25.5	1.08	259.99

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	II-7	11	24.2	1.16	230.20
2	II-5	11	24.3	1.17	229.01
3	II-10	11	26.3	1.20	240.69
4	II-11	11	25.1	0.95	289.36
5	II-13	11	24.8	1.57	173.85

Koridor 3

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	III-9	11	20.30	0.81	275.58
2	III-5	11	21.60	1.04	229.07
3	III-15	11	22.20	1.10	221.94
4	III-16	11	23.31	1.19	215.53

Koridor 4

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	III-9	11	23.2	1.2611111	202.3612335
2	III-5	11	22.1	1.0130556	239.9670962
3	III-15	11	21.3	1.1555556	202.7596154
4	III-16	11	22.1	1.2125	200.4948454

No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
	IV-3	11	15.84	0.68	257.68
	IV-5	11	15.20	0.69	243.40
	IV-2	11	15.00	0.58	283.94



No	Kode Bus	FE CO (g/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO (g/jam)
1	IV-3	11	15.4	0.6577778	257.5337838
2	IV-5	11	16.9	0.7466667	248.9732143
3	IV-2	11	16.8	0.7638889	241.92

B. Karbon Dioksida (CO₂)

Di bawah ini merupakan contoh perhitungan konversi satuan FE CO₂.

Diketahui :

$$\text{FE CO}_2 \text{ kendaraan uji 1 koridor 1} = 3172 \text{ gram/km}$$

$$\text{Ekonomi Bahan Bakar Bus} = 4 \text{ km/L}$$

$$= 0,25 \text{ L/km}$$

$$= 0,25 \text{ kg/km}$$

$$\text{Jarak tempuh kendaraan uji 1 koridor 1} = 596,5 \text{ km}$$

$$\text{Waktu tempuh kendaraan uji 1 koridor 1} = 29,43 \text{ jam}$$

$$\text{FE CO}_2 = \dots (\text{gram/jam})$$

Jawab :

$$\text{FE CO}_2 = 3172 \frac{\text{gram}}{\text{kg BBM}} \times \frac{596,5 \text{ km}}{29,43 \text{ jam}} \times 0,25 \frac{\text{kg}}{\text{km}}$$

$$\text{FE CO} = 16071,96 \text{ gram/jam}$$

Koridor 1

No	Kode Bus	FE CO2 (g/kg BBM)	Ekonomi BB (km/L)	Ekonomi BB (L/km)	Total Jarak Tempuh (km)	Total Waktu Tempuh (jam)	FE CO2 (g/jam)
1	I-22	3172	4	0.25	30.60	1.33	18218.33
2	I-18	3172	4	0.25	28.30	1.45	15497.96
3	I-12	3172	4	0.25	29.50	1.40	16719.59
4	I-7	3172	4	0.25	29.40	1.35	17294.69
5	I-14	3172	4	0.25	29.10	1.49	15507.69
6	I-11	3172	4	0.25	28.50	1.65	13690.36
7	I-1	3172	4	0.25	30.00	1.76	13514.91
	I-24	3172	4	0.25	31.70	1.53	16463.01
	I-25	3172	4	0.25	29.80	1.49	15910.42



No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	I-22	3172	4	0.25	37.50	1.66	17932.1 6
2	I-18	3172	4	0.25	36.30	1.80	15997.1 0
3	I-12	3172	4	0.25	36.70	1.92	15182.0 3
4	I-7	3172	4	0.25	36.30	1.73	16623.2 3
5	I-14	3172	4	0.25	37.00	1.81	16170.7 9
6	I-11	3172	4	0.25	35.50	1.86	15128.4 4
7	I-1	3172	4	0.25	37.00	1.65	17746.5 7
8	I-24	3172	4	0.25	36.50	1.78	16248.2 8
9	I-25	3172	4	0.25	36.80	1.78	16425.3 7

Koridor 2

No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	II-7	3172	4	0.25	25.9	1.26	16329.3 6
2	II-5	3172	4	0.25	25.4	1.23	16412.8 4
3	II-10	3172	4	0.25	26.4	1.20	17417.7 8
4	II-11	3172	4	0.25	26.5	1.26	16696.5 8
5	II-13	3172	4	0.25	25.5	1.08	18742.8 9

No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	II-7	3172	4	0.25	24.2	1.16	16595.2 8
2	II-5	3172	4	0.25	24.3	1.17	16509.2 0
	II-10	3172	4	0.25	26.3	1.20	17351.8 0
	II-11	3172	4	0.25	25.1	0.95	20860.4 0
	II-13	3172	4	0.25	24.8	1.57	12533.0 2



Koridor 3

No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	III-9	3172	4	0.25	20.30	0.81	19867.1 4
2	III-5	3172	4	0.25	21.60	1.04	16514.1 1
3	III-15	3172	4	0.25	22.20	1.10	16000.1 4
4	III-16	3172	4	0.25	23.31	1.19	15538.0 6

No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	III-9	3172	4	0.25	23.20	1.26	14588.4 1
2	III-5	3172	4	0.25	22.10	1.01	17299.4 5
3	III-15	3172	4	0.25	21.30	1.16	14617.1 3
4	III-16	3172	4	0.25	22.10	1.21	14453.8 6

Koridor 4

No	Kode Bus	FE CO2 (g/kg BBM)	Ekono mi BB (km/L)	Ekono mi BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	IV-3	3172	4	0.25	15.838	0.67611 1	18576.1 4
2	IV-5	3172	4	0.25	15.2	0.68694 4	17546.6 9
3	IV-2	3172	4	0.25	15	0.58111 1	20469.4 1

No	Kode Bus	FE CO2 (g/kg BBM)	Ekonom i BB (km/L)	Ekonom i BB (L/km)	Total Jarak Tempu h (km)	Total Waktu Tempu h (jam)	FE CO2 (g/jam)
1	IV-3	3172	4	0.25	15.4	0.65777 8	18565.8 4
2	IV-5	3172	4	0.25	16.9	0.74666 7	17948.7 1
	IV-2	3172	4	0.25	16.8	0.76388 9	17440.2 3



Lampiran 8 Perhitungan Besaran Emisi

A. Karbon Monoksida

Berikut merupakan contoh perhitungan besaran emisi di koridor 1

Diketahui :

FE CO koridor 1 = 222,94 gram/jam

% Frekuensi Kec. Kendaraan (0-3,8 km/jam)

= 1,20 %

Waktu Tempuh

= 29,43 jam

EV = ... (gram)

Jawab :

$$\begin{aligned} EV_{\text{koridor 1, CO}} &= 1,20 \times 29,43 \times 222,94 \\ &= 7856,3 \text{ gram} \\ &= 7,8 \text{ kilogram} \end{aligned}$$

Contoh Rekapitulasi Besaran Emisi CO Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 1

No	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	3.5	0.28	0.37	93.7	0.1	0.00009
2	3.6	7.1	0.77	1.02	257.7	0.3	0.00026
3	7.2	10.7	2.44	3.24	819.8	0.8	0.00082
4	10.8	14.3	9.39	12.51	3162.2	3.2	0.00316
5	14.4	17.9	8.70	11.59	2928.0	2.9	0.00293
6	18	21.5	16.77	22.34	5645.1	5.6	0.00565
7	21.6	25.1	18.09	24.10	6090.2	6.1	0.00609
8	25.2	28.7	12.60	16.78	4239.7	4.2	0.00424
9	28.8	32.3	21.36	28.46	7191.1	7.2	0.00719
10	32.4	35.9	7.24	9.64	2436.1	2.4	0.00244
11	36	39.5	2.23	2.97	749.6	0.7	0.00075
12	39.6	43.1	0.14	0.19	46.8	0.0	0.00005
Total					33660.0	33.7	0.03366
Rata-rata					2805.0	2.8	0.00281

Contoh Rekapitulasi Besaran Emisi CO Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 2

	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
	0	5	2.24	2.82	639.6	0.6	0.00064
	5.1	10.1	3.27	4.11	930.3	0.9	0.00093



No	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
3	10.2	15.2	10.61	13.35	3023.4	3.0	0.00302
4	15.3	20.3	11.84	14.89	3372.3	3.4	0.00337
5	20.4	25.4	18.78	23.62	5349.1	5.3	0.00535
6	25.5	30.5	17.55	22.08	5000.3	5.0	0.00500
7	30.6	35.6	11.43	14.37	3256.0	3.3	0.00326
8	35.7	40.7	6.33	7.96	1802.4	1.8	0.00180
9	40.8	45.8	7.55	9.50	2151.3	2.2	0.00215
10	45.9	50.9	10.41	13.09	2965.3	3.0	0.00297
Total					28490.0	28.5	0.02849
Rata-rata					2849.0	2.8	0.00285

Contoh Rekapitulasi Besaran Emisi CO Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 3

No	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	4.2	1.57	1.28	351.5	0.4	0.00035
2	4.3	8.5	3.15	2.55	703.0	0.7	0.00070
3	8.6	12.8	5.92	4.80	1322.4	1.3	0.00132
4	12.9	17.1	9.00	7.29	2008.7	2.0	0.00201
5	17.2	21.4	13.27	10.75	2962.8	3.0	0.00296
6	21.5	25.7	14.32	11.60	3197.2	3.2	0.00320
7	25.8	30	18.82	15.25	4201.5	4.2	0.00420
8	30.1	34.3	12.52	10.14	2795.4	2.8	0.00280
9	34.4	38.6	9.15	7.41	2042.2	2.0	0.00204
10	38.7	42.9	9.97	8.08	2226.3	2.2	0.00223
11	43	47.2	2.25	1.82	502.2	0.5	0.00050
12	47.3	51.5	0.07	0.06	16.7	0.0	0.00002
Total					21811.1	21.8	0.02181
Rata-rata					2181.1	2.2	0.00218

Contoh Rekapitulasi Besaran Emisi CO Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 4

No	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	5.3	3.16	2.14	550.5	0.6	0.00055
	5.4	10.7	8.66	5.86	1509.5	1.5	0.00151
	10.8	16.1	13.86	9.37	2415.3	2.4	0.00242
	16.2	21.5	9.68	6.55	1687.1	1.7	0.00169
	21.6	26.9	13.76	9.30	2397.5	2.4	0.00240
	27	32.3	20.29	13.72	3534.1	3.5	0.00353
	32.4	37.7	15.29	10.34	2663.9	2.7	0.00266



8	37.8	43.1	10.09	6.82	1758.2	1.8	0.00176
9	43.2	48.5	4.59	3.10	799.2	0.8	0.00080
10	48.6	53.9	0.51	0.34	88.8	0.1	0.00009
11	54	59.3	0.10	0.07	17.8	0.0	0.00002
Total					17404.0	17.4	0.01740
Rata-rata					1740.4	1.7	0.00174

B. Karbon Dioksida

Berikut merupakan contoh perhitungan besaran emisi di koridor 1

Diketahui :

FE CO₂ koridor 1 = 16071,96 gram/jam

% Frekuensi Kec. Kendaraan (0-3,8 km/jam)

= 1,20 %

Waktu Tempuh

= 29,43 jam

EV = ... (gram)

Jawab :

$EV_{Koridor\ 1, CO_2} = 1,20 \times 29,43 \times 16071,96$

= 566369 gram

= 566 kilogram

= 0,56 ton

Contoh Rekapitulasi Besaran Emisi CO₂ Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 1

No	Interval (km/jam)		%	Fraksi Waktu Tempuh	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	3.5	0.28	0.37	6754.6	6.8	0.00675
2	3.6	7.1	0.77	1.02	18575.1	18.6	0.01858
3	7.2	10.7	2.44	3.24	59102.5	59.1	0.05910
4	10.8	14.3	9.39	12.51	227966.8	228.0	0.22797
5	14.4	17.9	8.70	11.59	211080.4	211.1	0.21108
6	18	21.5	16.77	22.34	406963.0	407.0	0.40696
7	21.6	25.1	18.09	24.10	439047.2	439.0	0.43905
8	25.2	28.7	12.60	16.78	305644.4	305.6	0.30564
9	28.8	32.3	21.36	28.46	518413.4	518.4	0.51841
10	32.4	35.9	7.24	9.64	175618.9	175.6	0.17562
11	36	39.5	2.23	2.97	54036.6	54.0	0.05404
12	39.6	43.1	0.14	0.19	3377.3	3.4	0.00338
Total					2426580.0	2426.6	2.42658
Rata-rata					202215.0	202.2	0.20222



Contoh Rekapitulasi Besaran Emisi CO₂ Setiap Distribusi Kecepatan Kendaraan Uji
1 Koridor 2

No	Interval (km/jam)		%	Fraksi Waktu Tempu h	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	5	2.24	2.82	46107.3	46.1	0.04611
2	5.1	10.1	3.27	4.11	67065.1	67.1	0.06707
3	10.2	15.2	10.61	13.35	217961.7	218.0	0.21796
4	15.3	20.3	11.84	14.89	243111.1	243.1	0.24311
5	20.4	25.4	18.78	23.62	385624.6	385.6	0.38562
6	25.5	30.5	17.55	22.08	360475.1	360.5	0.36048
7	30.6	35.6	11.43	14.37	234728.0	234.7	0.23473
8	35.7	40.7	6.33	7.96	129938.7	129.9	0.12994
9	40.8	45.8	7.55	9.50	155088.1	155.1	0.15509
10	45.9	50.9	10.41	13.09	213770.1	213.8	0.21377
Total					2053870.0	2053.9	2.05387
Rata-rata					205387.0	205.4	0.20539

Contoh Rekapitulasi Besaran Emisi CO₂ Setiap Distribusi Kecepatan Kendaraan Uji
1 Koridor 3

No	Interval (km/jam)		%	Fraksi Waktu Tempu h	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	4.2	1.57	1.28	25341.5	25.3	0.02534
2	4.3	8.5	3.15	2.55	50683.0	50.7	0.05068
3	8.6	12.8	5.92	4.80	95332.4	95.3	0.09533
4	12.9	17.1	9.00	7.29	144808.7	144.8	0.14481
	17.2	21.4	13.27	10.75	213592.8	213.6	0.21359
	21.5	25.7	14.32	11.60	230487.2	230.5	0.23049
	25.8	30	18.82	15.25	302891.5	302.9	0.30289



No	Interval (km/jam)		%	Fraksi Waktu Tempu h	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
8	30.1	34.3	12.52	10.14	201525.4	201.5	0.20153
9	34.4	38.6	9.15	7.41	147222.2	147.2	0.14722
10	38.7	42.9	9.97	8.08	160496.3	160.5	0.16050
11	43	47.2	2.25	1.82	36202.2	36.2	0.03620
12	47.3	51.5	0.07	0.06	1206.7	1.2	0.00121
Total					1572381.1	1572.4	1.57238
Rata-rata					157238.1	157.2	0.15724

Contoh Rekapitulasi Besaran Emisi CO₂ Setiap Distribusi Kecepatan Kendaraan Uji

1 Koridor 4

No	Interval (km/jam)		%	Fraksi Waktu Tempu h	EV (g)	EV (kg)	EV (ton)
	Batas Bawah	Batas Atas					
1	0	5.3	3.16	2.14	39688.6	39.7	0.03969
2	5.4	10.7	8.66	5.86	108823.7	108.8	0.10882
3	10.8	16.1	13.86	9.37	174117.9	174.1	0.17412
4	16.2	21.5	9.68	6.55	121626.5	121.6	0.12163
5	21.6	26.9	13.76	9.30	172837.6	172.8	0.17284
6	27	32.3	20.29	13.72	254775.5	254.8	0.25478
7	32.4	37.7	15.29	10.34	192041.8	192.0	0.19204
8	37.8	43.1	10.09	6.82	126747.6	126.7	0.12675
9	43.2	48.5	4.59	3.10	57612.5	57.6	0.05761
10	48.6	53.9	0.51	0.34	6401.4	6.4	0.00640
11	54	59.3	0.10	0.07	1280.3	1.3	0.00128
Total					1254673.1	1254.7	1.25467
Rata-rata					125467.3	125.5	0.12547



Lampiran 9 Dokumentasi Kegiatan



