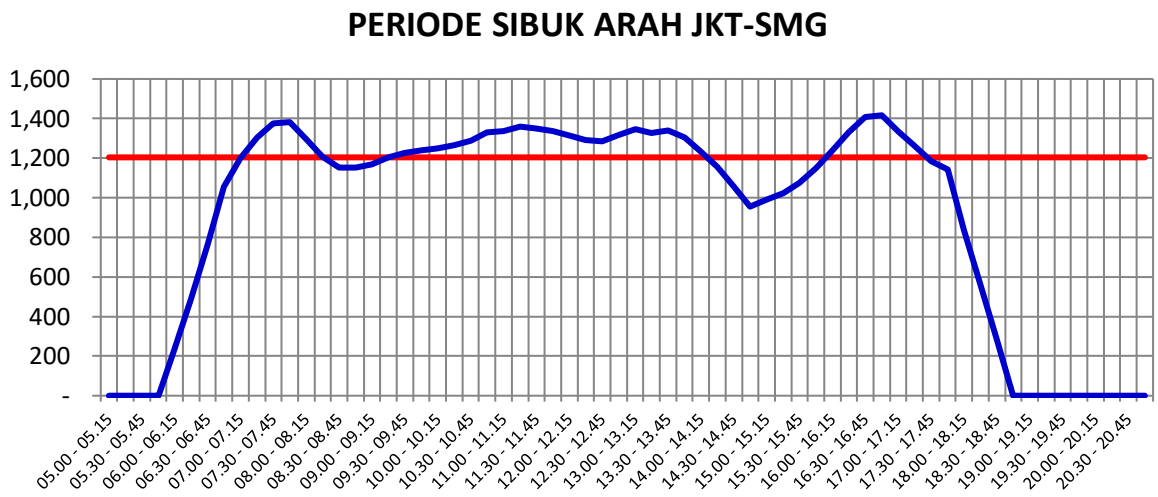
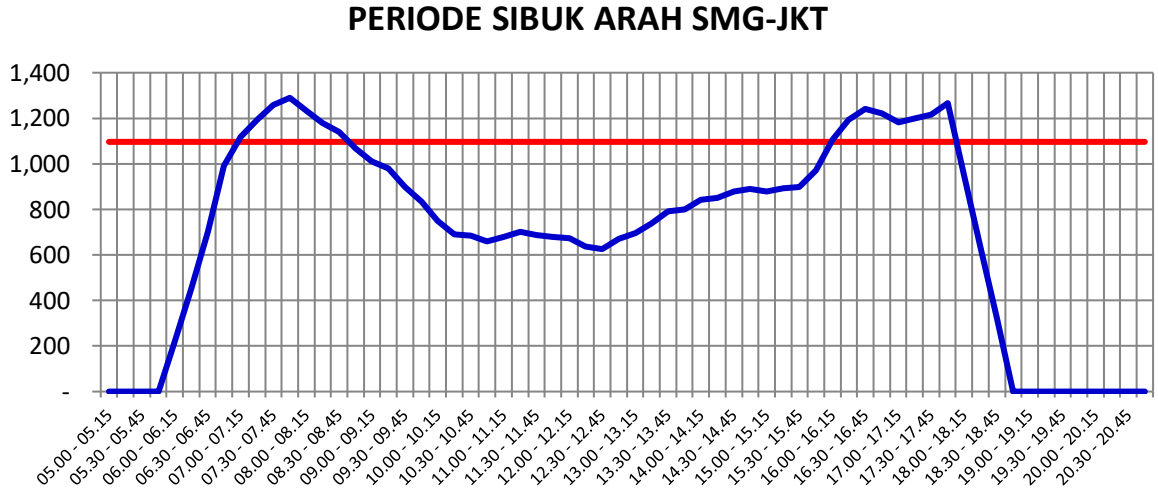
LAMPIRAN I

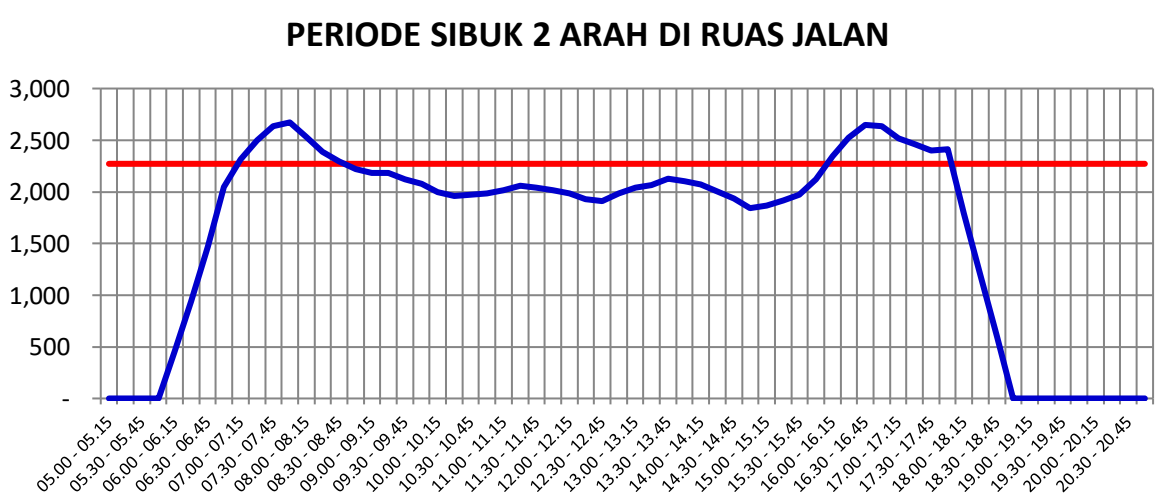
PENGOLAHAN DATA VOLUME LALU LINTAS DI RUAS JALAN JEND. SUDIRMAN

SENIN, 4 MARET 2019

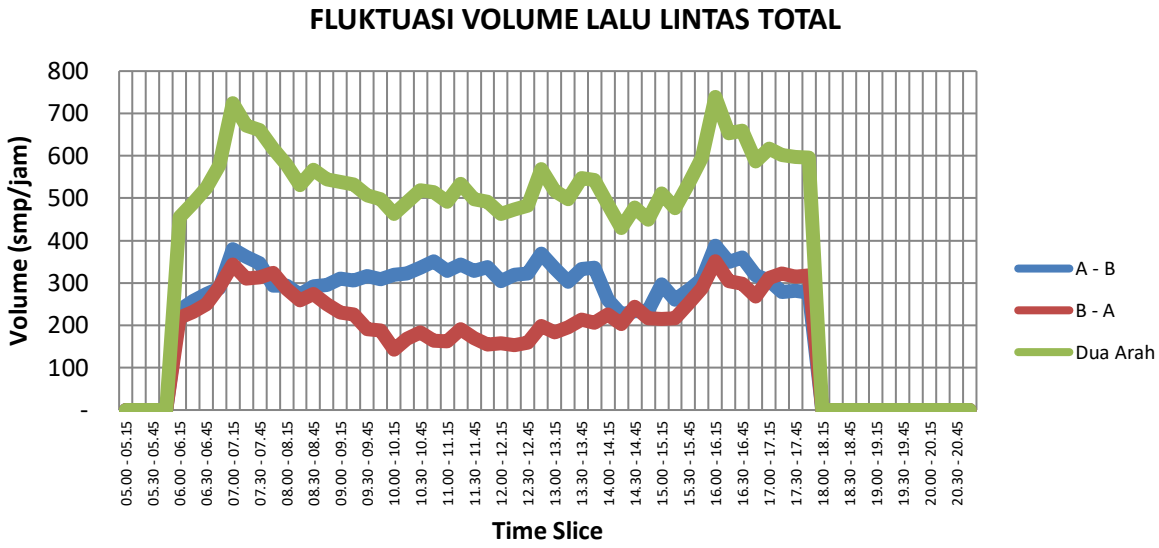
1. PERIODE SIBUK

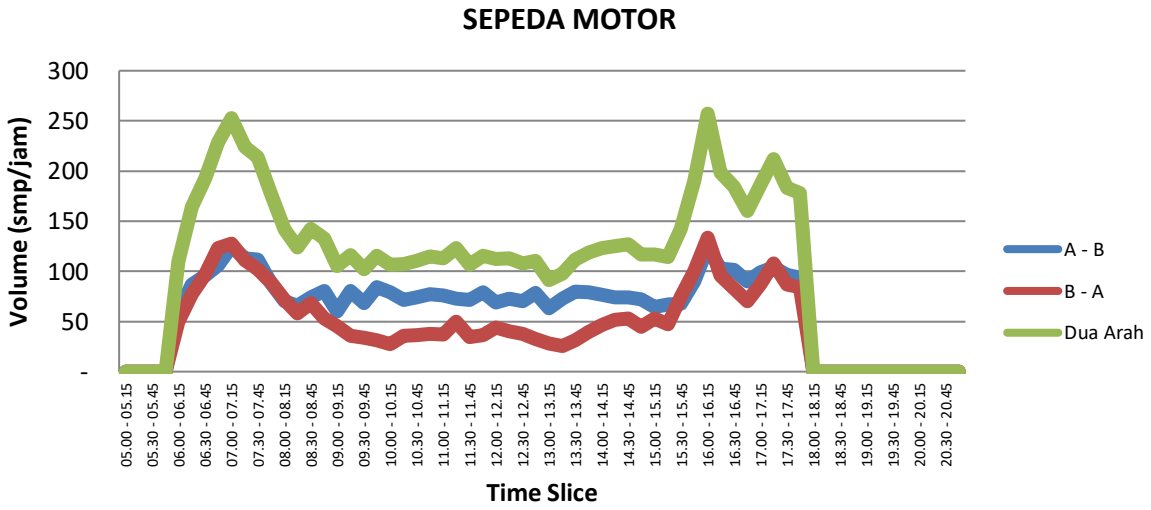


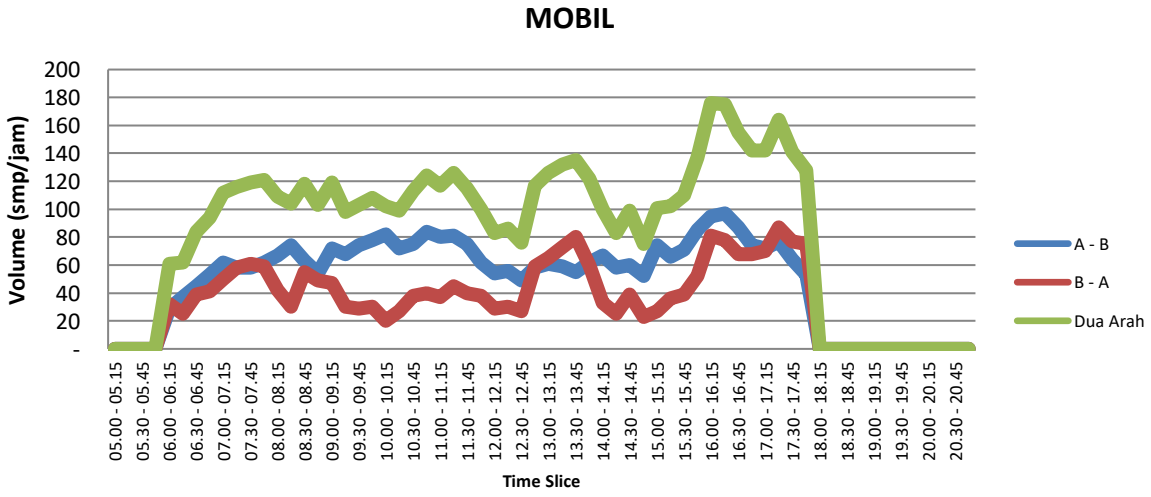


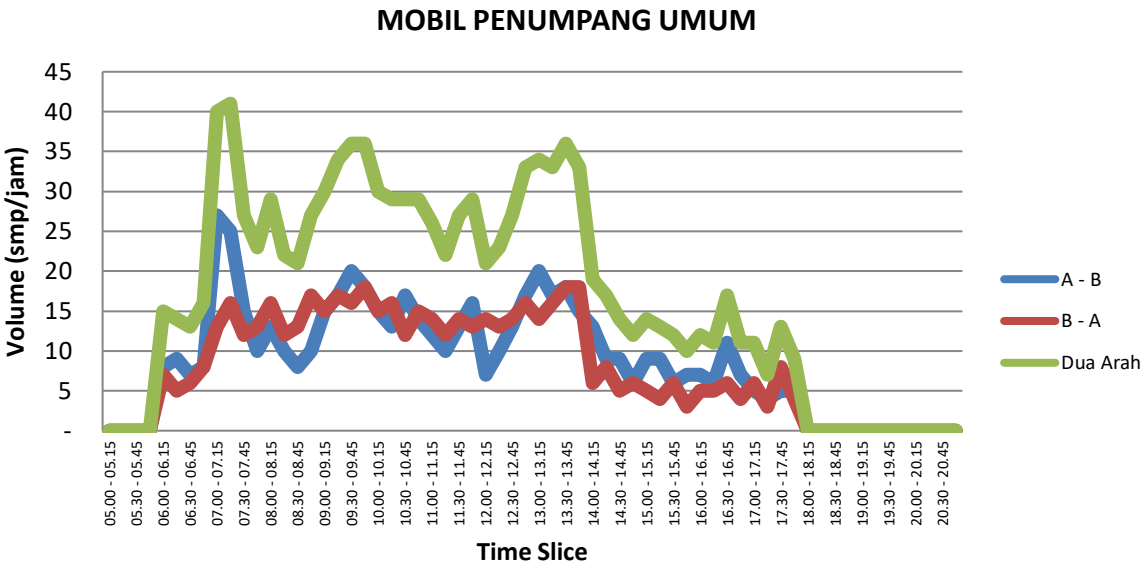


2. FLUKTUASI LALU LINTAS








MOBIL PENUMPANG UMUM
Volume (smp/jam)
45
40
35
30
25
20
15
10
5
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
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09.00 - 09.15
09.30 - 09.45
10.00 - 10.15
10.30 - 10.45
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11.30 - 11.45
12.00 - 12.15
12.30 - 12.45
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13.30 - 13.45
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15.30 - 15.45
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16.30 - 16.45
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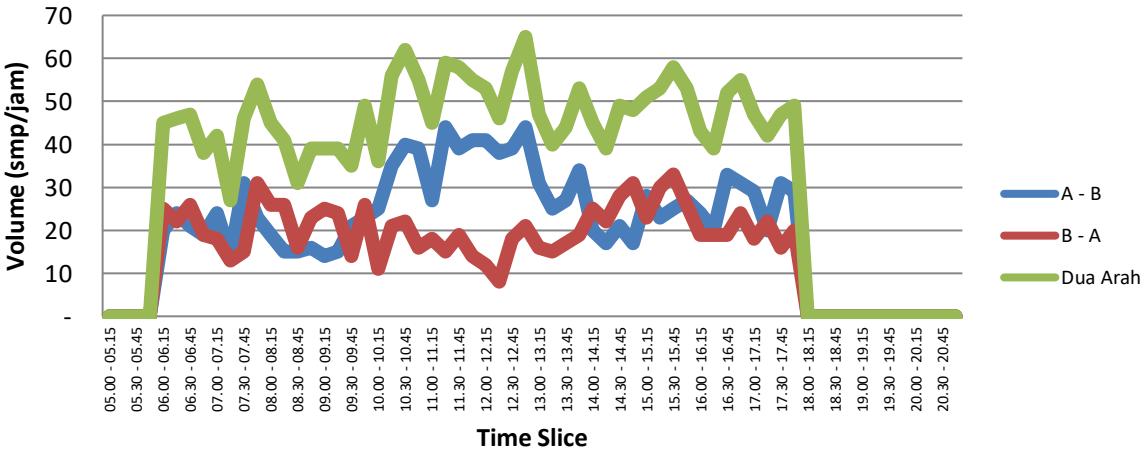
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


PICK UP
Volume (smp/jam)
70
60
50
40
30
20
10
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
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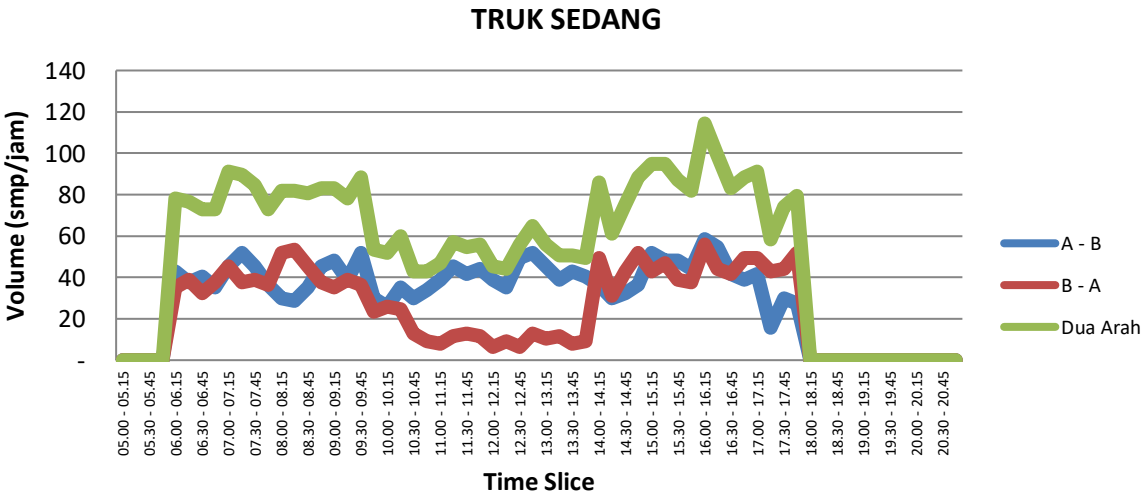
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


TRUK SEDANG
Volume (smp/jam)
140
120
100
80
60
40
20
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
08.30 - 08.45
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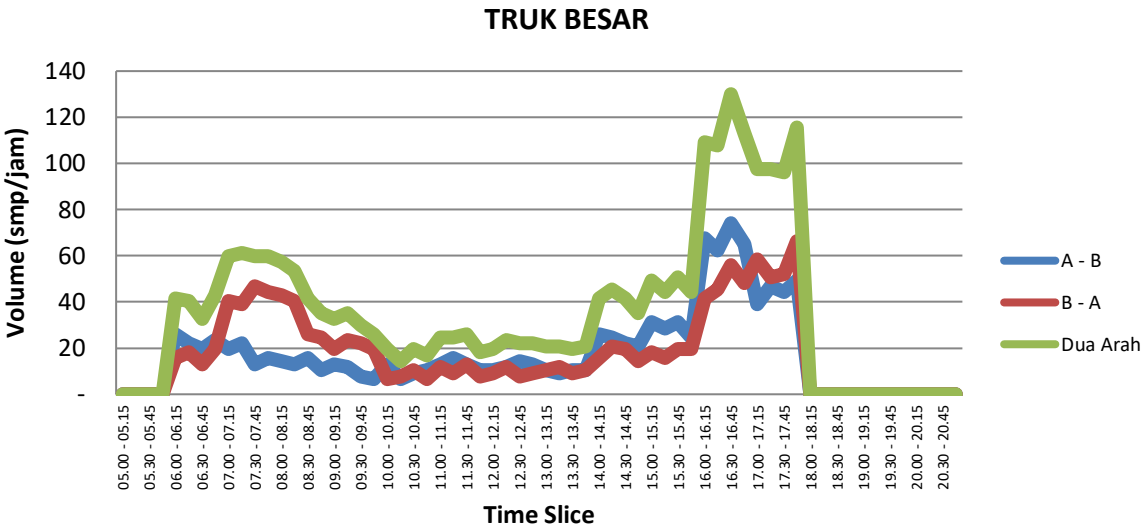
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


TRUK BESAR
Volume (smp/jam)
140
120
100
80
60
40
20
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
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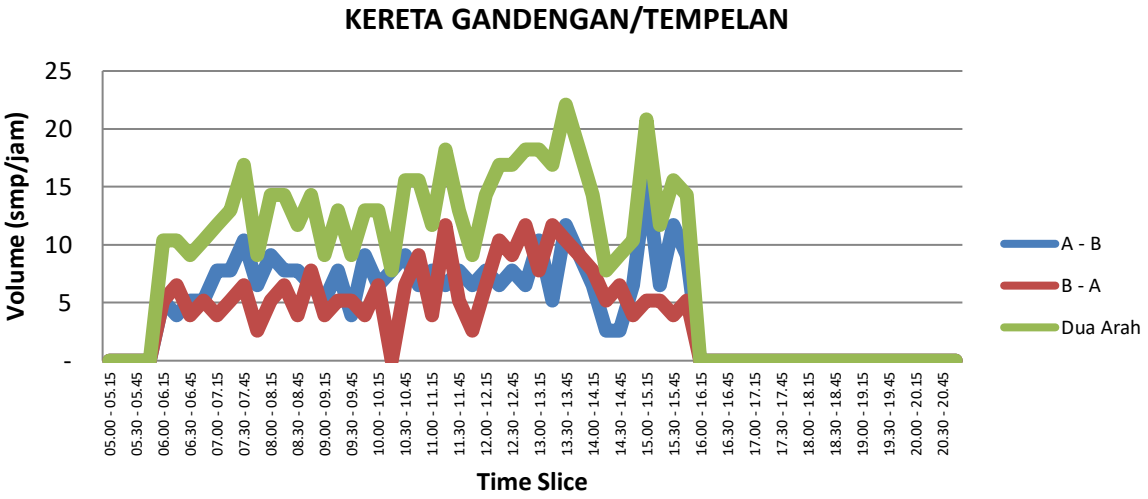
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


KERETA GANDENGAN/TEMPELAN
Volume (smp/jam)
25
20
15
10
5
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
08.30 - 08.45
09.00 - 09.15
09.30 - 09.45
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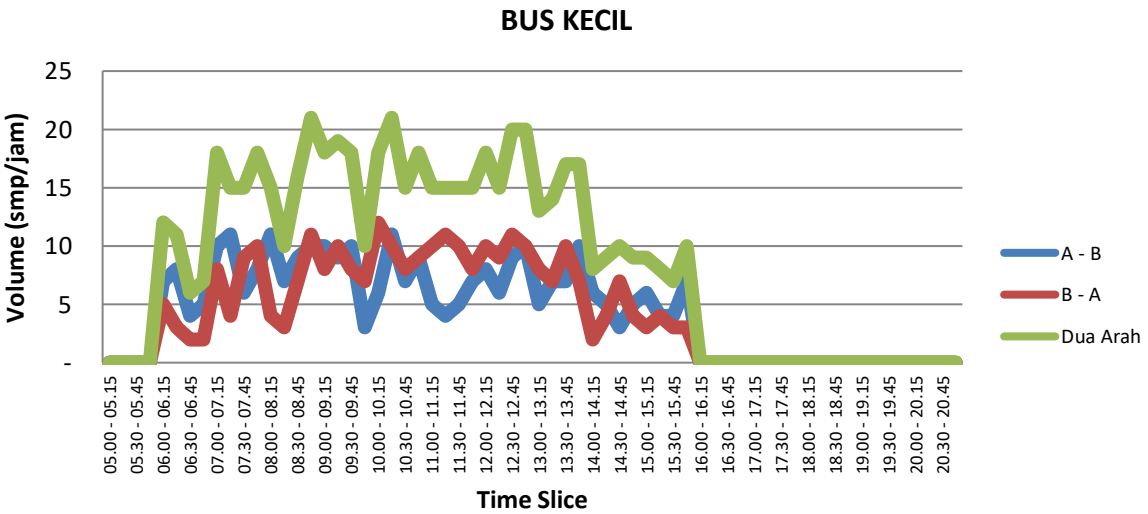
15.00 - 15.15
15.30 - 15.45
16.00 - 16.15
16.30 - 16.45
17.00 - 17.15
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


BUS KECIL
Volume (smp/jam)
25
20
15
10
5
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
08.30 - 08.45
09.00 - 09.15
09.30 - 09.45
10.00 - 10.15
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11.30 - 11.45
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12.30 - 12.45
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13.30 - 13.45
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16.30 - 16.45
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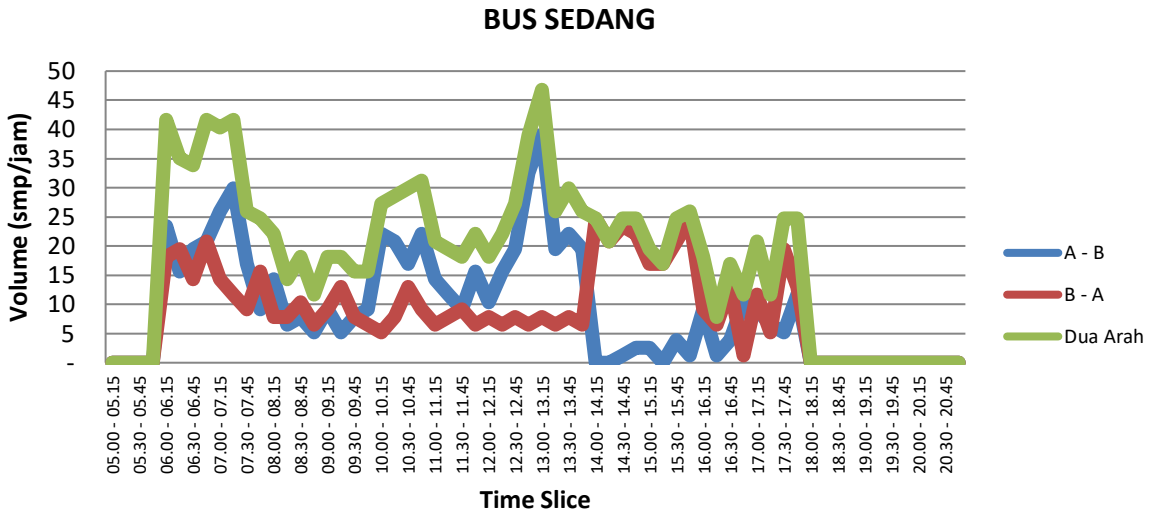
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


BUS SEDANG
Volume (smp/jam)
50
45
40
35
30
25
20
15
10
5
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
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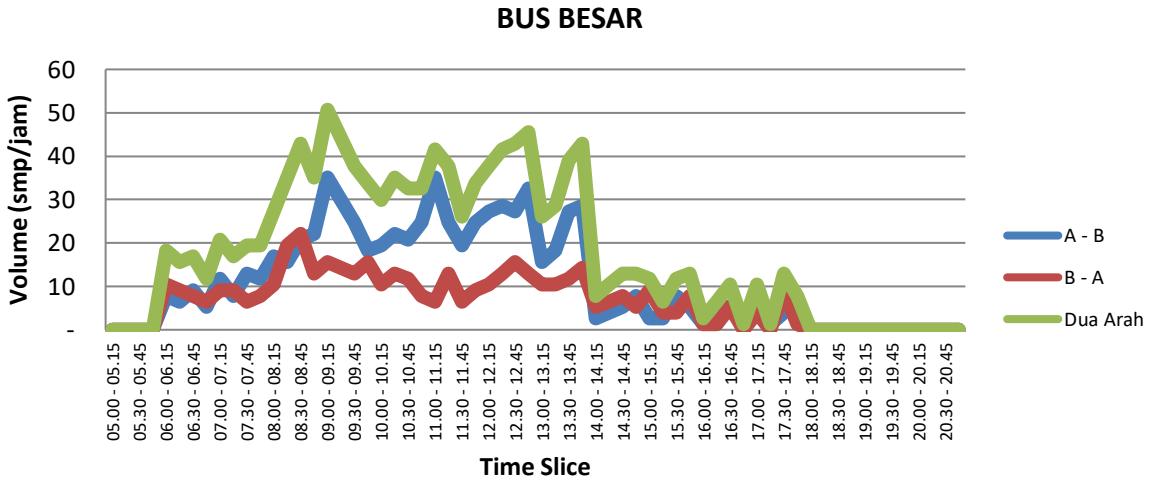
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


BUS BESAR
Volume (smp/jam)
60
50
40
30
20
10
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
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11.30 - 11.45
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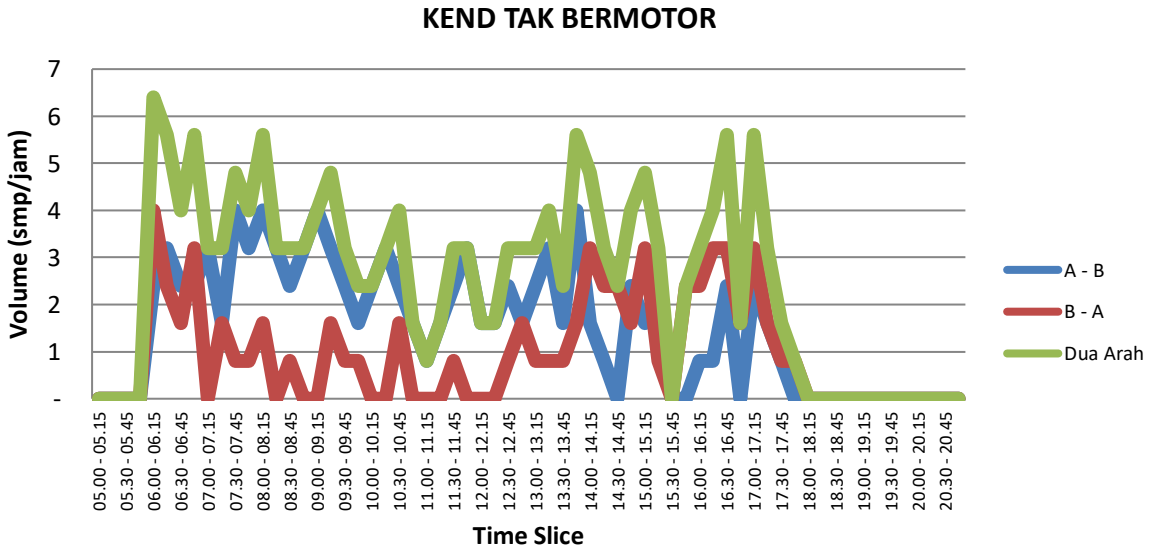
16.00 - 16.15
16.30 - 16.45
17.00 - 17.15
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah


KEND TAK BERMOTOR
Volume (smp/jam)
7
6
5
4
3
2
1
-
05.00 - 05.15
05.30 - 05.45
06.00 - 06.15
06.30 - 06.45
07.00 - 07.15
07.30 - 07.45
08.00 - 08.15
08.30 - 08.45
09.00 - 09.15
09.30 - 09.45
10.00 - 10.15
10.30 - 10.45
11.00 - 11.15
11.30 - 11.45
12.00 - 12.15
12.30 - 12.45
13.00 - 13.15
13.30 - 13.45
14.00 - 14.15
14.30 - 14.45
15.00 - 15.15
15.30 - 15.45
16.00 - 16.15
16.30 - 16.45
17.00 - 17.15
17.30 - 17.45
18.00 - 18.15
18.30 - 18.45
19.00 - 19.15
19.30 - 19.45
20.00 - 20.15
20.30 - 20.45
Time Slice
A - B
B - A
Dua Arah

TIME SLICE	DUA ARAH															VOLUME (smp/jam)		
Menit	MC	Mobil	MPU	Bus Kecil	Bus Sedang	Bus Besar	Pick Up	Truk Kecil	Truk Sedang	Truk Besar	Kereta Gandeng/ Tempel	Roda 3	Sepeda	Becak	Total (smp)	A - B	B - A	Dua Arah
06.00 - 06.15	110	61	15	12	42	18	45	10	78	42	10	3	6	2	455	237	218	455
06.15 - 06.30	164	62	14	11	35	16	46	3	77	40	10	2	6	3	489	493	450	944
06.30 - 06.45	193	84	13	6	34	17	47	5	73	33	9	4	4	4	525	768	700	1.468
06.45 - 07.00	229	94	16	7	42	12	38	3	73	43	10	4	6	2	578	1.056	991	2.046
07.00 - 07.15	253	112	40	18	40	21	42	19	91	60	12	6	3	8	724	1.200	1.116	2.316
07.15 - 07.30	224	116	41	15	42	17	27	12	90	61	13	4	3	6	671	1.304	1.194	2.498
07.30 - 07.45	214	119	27	15	26	20	46	18	85	60	17	6	5	4	660	1.376	1.257	2.633
07.45 - 08.00	177	121	23	18	25	20	54	24	73	60	9	5	4	6	617	1.382	1.290	2.672
08.00 - 08.15	142	109	29	15	22	27	45	21	82	57	14	2	6	8	579	1.296	1.232	2.527
08.15 - 08.30	124	104	22	10	14	35	41	19	82	53	14	1	3	8	530	1.207	1.180	2.387
08.30 - 08.45	142	118	21	16	18	43	31	33	81	42	12	2	3	6	567	1.152	1.141	2.293
08.45 - 09.00	133	103	27	21	12	35	39	30	83	35	14	4	3	6	545	1.153	1.068	2.221
09.00 - 09.15	106	119	30	18	18	51	39	25	83	33	9	1	4	4	539	1.169	1.012	2.181
09.15 - 09.30	116	98	34	19	18	44	39	27	78	35	13	2	5	3	532	1.203	980	2.183
09.30 - 09.45	102	103	36	18	16	38	35	20	88	30	9	3	3	6	507	1.226	897	2.123
09.45 - 10.00	115	108	36	10	16	34	49	23	53	26	13	7	2	5	497	1.241	834	2.075
10.00 - 10.15	107	102	30	18	27	30	36	19	52	20	13	3	2	4	463	1.251	748	1.999
10.15 - 10.30	107	99	29	21	29	35	56	25	60	14	8	2	3	2	491	1.267	691	1.958
10.30 - 10.45	111	113	29	15	30	33	62	38	43	20	16	3	4	4	519	1.287	683	1.970
10.45 - 11.00	115	124	29	18	31	33	55	23	43	17	16	4	2	6	514	1.329	658	1.987
11.00 - 11.15	113	117	26	15	21	42	45	25	47	25	12	2	1	2	491	1.337	678	2.015
11.15 - 11.30	123	126	22	15	20	38	59	24	57	25	18	3	2	3	534	1.359	701	2.059
11.30 - 11.45	107	115	27	15	18	26	58	26	55	26	13	7	3	2	498	1.351	687	2.038
11.45 - 12.00	115	100	29	15	22	34	55	29	56	18	9	3	3	3	492	1.338	678	2.016
12.00 - 12.15	113	83	21	18	18	38	53	30	46	20	14	5	2	3	462	1.313	674	1.987

TIME SLICE	DUA ARAH															VOLUME (smp/jam)		
Menit	MC	Mobil	MPU	Bus Kecil	Bus Sedang	Bus Besar	Pick Up	Truk Kecil	Truk Sedang	Truk Besar	Kereta Gandeng/ Tempel	Roda 3	Sepeda	Becak	Total (smp)	A - B	B - A	Dua Arah
12.15 - 12.30	113	86	23	15	22	42	46	27	44	23	17	6	2	7	474	1.290	636	1.926
12.30 - 12.45	108	76	27	20	27	43	57	16	56	22	17	5	3	5	482	1.285	625	1.910
12.45 - 13.00	111	117	33	20	39	46	65	19	65	22	18	4	3	6	568	1.316	670	1.986
13.00 - 13.15	91	126	34	13	47	26	47	25	56	21	18	6	3	4	518	1.345	696	2.041
13.15 - 13.30	98	132	33	14	26	29	40	28	51	21	17	3	4	2	497	1.328	737	2.065
13.30 - 13.45	112	135	36	17	30	39	44	33	51	20	22	6	2	1	547	1.339	792	2.130
13.45 - 14.00	119	122	33	17	26	43	53	30	49	21	18	3	6	2	542	1.305	799	2.104
14.00 - 14.15	123	100	19	8	25	8	45	4	86	42	14	3	5	4	485	1.232	841	2.072
14.15 - 14.30	125	83	17	9	21	10	39	3	61	46	8	3	3	2	430	1.156	849	2.005
14.30 - 14.45	127	99	14	10	25	13	49	4	75	42	9	4	2	4	477	1.056	879	1.935
14.45 - 15.00	117	75	12	9	25	13	48	4	88	35	10	6	4	4	450	954	888	1.843
15.00 - 15.15	117	101	14	9	20	12	51	8	95	49	21	6	5	5	512	990	879	1.869
15.15 - 15.30	115	102	13	8	17	7	53	3	95	44	12	5	3	1	477	1.024	891	1.915
15.30 - 15.45	142	110	12	7	25	12	58	3	87	51	16	9	-	3	534	1.073	899	1.972
15.45 - 16.00	190	137	10	10	26	13	53	3	82	44	14	9	2	2	596	1.148	971	2.118
16.00 - 16.15	257	176	12	-	18	3	43	-	114	109	-	-	3	3	739	1.240	1.106	2.346
16.15 - 16.30	199	175	11	-	8	7	39	-	99	108	-	-	4	5	653	1.329	1.194	2.523
16.30 - 16.45	185	155	17	-	17	10	52	-	83	130	-	-	6	4	659	1.407	1.240	2.647
16.45 - 17.00	161	142	11	-	12	1	55	-	88	113	-	-	2	2	586	1.416	1.221	2.637
17.00 - 17.15	186	142	11	-	21	10	47	-	91	98	-	-	6	6	617	1.334	1.182	2.515
17.15 - 17.30	212	164	7	-	12	1	42	-	59	98	-	-	3	4	601	1.263	1.200	2.463
17.30 - 17.45	183	141	13	-	25	13	47	-	74	96	-	-	2	3	597	1.184	1.217	2.401
17.45 - 18.00	178	128	9	-	25	8	49	-	79	116	-	-	1	3	596	1.144	1.267	2.411

LAMPIRAN II
HASIL PENGUJIAN STATISTIK
HUBUNGAN ANTARA KECEPATAN (S) DAN KEPADATAN (D)
PERMODELAN GREENSHIELD, GREENBERG DAN UNDERWOOD

1. MODEL GREENSHIELD

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.944[a]	.890	.888	.440	.890	373.117	1	46	.000

a. Predictors: (Constant), kecepatan

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	72.388	1	72.388	373.117	.000[a]
	Residual	8.924	46	.194		
	Total	81.312	47			

a. Predictors: (Constant), kecepatan

b. Dependent Variable: kepadatan

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	35.404	1.647		21.500	.000					
	kecepatan	.747	.039	.944	19.316	.000	.944	.944	.944	1.000	1.000

a. Dependent Variable: kepadatan

2. MODEL GREENBERG

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.981[a]	.963	.962	.875	.963	1202.223	1	46	.000

a. Predictors: (Constant), kecepatan

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	919.806	1	919.806	1.202E3	.000[a]
	Residual	35.194	46	.765		
	Total	955.000	47			

a. Predictors: (Constant), kecepatan

b. Dependent Variable: kepadatan

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	130.035	3.169		41.036	.000					
	kecepatan	-2.582	.074	-.981	-34.673	.000	-.981	-.981	-.981	1.000	1.000

a. Dependent Variable: kepadatan

3. MODEL UNDERWOOD

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.549[a]	.301	.286	1.956	.301	19.852	1	46	.000

a. Predictors: (Constant), kecepatan

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	75.945	1	75.945	19.852	.000[a]
	Residual	175.972	46	3.825		
	Total	251.917	47			

a. Predictors: (Constant), kecepatan

b. Dependent Variable: kepadatan

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	219.860	46.437		4.735	.000					
	kecepatan	-5.049	1.133	-.549	-4.456	.000	-.549	-.549	-.549	1.000	1.000

a. Dependent Variable: kepadatan