

## CHAPTER VI

### CONCLUSION AND RECOMMENDATION

#### 6.1. Conclusion

The main concept of *Bongsuwung*, West Gate *Tugu Yogyakarta* Railway Station was built for solving the traffic jammed problems in East Gate *Tugu Yogyakarta* Railway Station in *Jalan Margoutomo* (previous *Jalan Mangkubumi*), *Yogyakarta*.

Nowadays had been a year, the concept was implemented as the main parking area of *Tugu Yogyakarta* Railway Station. Nevertheless, the problem of traffic jammed not solved completely, there were some serious problems happen. The management, the facilities, the coordination, and the limited parking space had been the main issues.

Based on the survey and the observation in three different type of days: weekend, holiday, and regular day, could be concluded:

1. The available capacity car parking area based on interview was 170 units with total area  $9.460\text{m}^2$  ( $6.714\text{m}^2$  *Bongsuwung* Parking Area,  $2.746\text{m}^2$  *South Station* Parking Area) . Based on the field calculation covered only 95 units. The maximum

accumulation was happen on the second day of the observation May 5, 2016, was 349 units.

2. The maximum parking volume was happen on the second day of observations 519 unit cars, May 5, 2016.
3. The average of parking duration from the observation was 18.8 minutes.
4. The maximum turn over level was happen on May 5<sup>th</sup>, 2016 with 5,46. It showed the parking passangers were using car parking facilities regularly and it would be chaos in holiday.
5. The maximum parking index was over than 100%. It was 367,37% on the second day of observations.
6. The space parking requirement was 5.235m<sup>2</sup> for 349 unit cars.
7. The captured evidence in field of observation, the traffic jammed was happen in the bottle neck area, the pick-up of the passengers. Because the width of the path vanue was narrower than the parking area.
8. The alternatives solution could be offered, by adding professional security employees at the bottle neck area, adding CCTV on the several spots of the crucial paths, facilitating the parking areas for the buses only, facilitating the path for pedestrian until the motorcycle and car parking areas, demolishing the old buildings for widening the path

vanue, adding the progressive parking payment, and separating the queue area in bottle neck / crucial area in pick up/arrival passenger from taxi, visitors cars, and other facilities.

## **6.2. Recommendation**

1. Giving the sign board of parking available include the detailed information of the schedule train arrival at the parking area. The visitors could estimate the time of pick up schedule.
2. Fixing the broken and cracked asphalt street. The maintenance of quality services and facilities could be handled well, including the CCTV at the exit and entrance parking gates.
3. Optimizing the parking employees on the available gates professionally. The traffic jammed occurred at the bottle neck could be minimized.
4. Managing the customer parking when they wanted to go to the expedition services.
5. Adding the sign board of traffic parking system surround the parking area. The visitors would easily get decision to make.

## REFERENCES

- ACT Government, 2009, *Design Standards for Urban Infrastructure 10 Parking Areas, Urban Services* , accessed on April 14, 2016,  
[http://www.tams.act.gov.au/\\_data/assets/pdf\\_file/0012/396867/ds10\\_parking.pdf](http://www.tams.act.gov.au/_data/assets/pdf_file/0012/396867/ds10_parking.pdf)
- Ardiansari, Anna Ferika, 2010, *Analisis Penanganan Kebutuhan Parkir (Studi Kasus: Stasiun Tugu Yogyakarta)*, S1 Thesis, UAJY, accessed on July 10, 2016, <http://e-journal.uajy.ac.id/2583/>
- Ashley, Carol, 1994, *Traffic and Highway Engineering for Developments*, Blackwell Scientific Publication, United Kingdom
- J. Richard Kuzmyak, 2003, Transportation Research Board, *Traveler Response to Transportation System Changes*, Washington
- Kristanti, Ari, 2007, *Analisis Kapasitas Ruang Parkir Di Rumah Belanja Mirota Kampus Yogyakarta*, Skripsi Program Studi Teknik Sipil Fakultas Teknik, Universitas Atma Jaya, Yogyakarta
- Lukac, Morana, 2014, Bridging The Unbridgeable, *Railway Station or Train Station*, accessed on July 12, 2016,  
<https://bridgingtheunbridgeable.com/2014/11/12/railway-station-or-train-station/>
- Mahmud, Fathi, Liputan6, 2015, *Area Parkir di Stasiun Tugu Yogyakarta Dipindah*, June 13, 2016,  
<http://news.liputan6.com/read/2268066/area-parkir-di-stasiun-tugu-yogyakarta-dipindah>
- Mathew, Tom V. Dr., 2014, *Transportation System Engineering*, IIT, Bombay

ParkingNet, *On- and Off- Street Parking*, accessed on July 12, 2016,  
<http://www.parking-net.com/about-parking/on-and-off-street-parking>

Purnomo Edi, Cahyo, *Berita Jogja*, 2015, *Area Parkir Stasiun Tugu Kini Fasilitas Becak*, July 10, 2016,  
<http://beritajogja.id/area-parkir-stasiun-tugu-kini-fasilitas-becak.html>

Raharjo, Edzan, *Detik News*, 2016, *Puncak Arus Balik, 32 Ribu Penumpang Diprediksi Naik Kereta dari Yogyakarta*, July 11, 2016,  
<https://news.detik.com/berita/3250247/puncak-arus-balik-32-ribu-penumpang-diprediksi-naik-kereta-dari-yogyakarta>

Rail Policy Team, Comhdhail Alba Transport Scotland, 2014, *Rail Station Car Parking Strategy*, April 20, 2016,  
<http://www.transport.gov.scot/system/files/documents/reports/Car%20parking%20strategy%20-%20June%202014.pdf>

Roger P. Roess, etc, 2004, *Traffic Engineering*, Third Edition, Pearson Education International

Tim Penyusun, 2013, *Pedoman Penulisan Laporan Tugas Akhir*, Universitas Atma Jaya, Yogyakarta

Wikipedia, 2016, *Train Station*, accessed on July 12, 2016,  
[https://en.wikipedia.org/wiki/Train\\_station](https://en.wikipedia.org/wiki/Train_station)

Yudha Sj, *Sorot Jogja*, 2015, *Banyak Calon Penumpang Keluhkan Lokasi Parkir Stasiun Tugu yang Baru*, June 10, 2016,  
<http://sorotjogja.com/penumpang-keluhkan-stasiun/>

DAY 2, DATE: THURSDAY, MAY 5, 2016 (HOLIDAY)  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLAT NO	IN	OUT	DUR	NOTE
1	AB 1523 AH	17.00		0	MIN
2	AB 1625 AH	16.59		1	MIN
3	AB 818 MJ	16.58		2	MIN
4	AB 1014 LC	16.57		3	MIN
5	AB 1046 PO	16.29	16.33	4	
6	B 1741 ZM	16.56		4	MIN
7	AD 8768 EF	16.55		5	MIN
8	B 1891 BOD	16.53		7	MIN
9	AD 8612 J	14.41	14.48	7	
10	AB 1497 CN	15.12	15.19	7	
11	AB 1405 KQ	15.13	15.20	7	
12	AB 1303 BH	15.15	15.22	7	
13	AB 1532 KN	16.52		8	MIN
14	AA 8768 KE	14.42	14.50	8	
15	AB 1303 AH	15.14	15.22	8	
16	B 2684 ZN	15.40	15.48	8	
17	AB 1524 NN	15.41	15.49	8	
18	R 2320 T	15.42	15.50	8	
19	B 8923 MU	15.43	15.51	8	
20	E 2488 T	15.44	15.52	8	
21	AB 1013 IC	16.20	16.28	8	
22	AB 1161 ON		14.39	9	MIN
23	B 1604 GUG		14.39	9	MIN
24	B 787 BY		14.39	9	MIN
25	B 8903 IA		14.39	9	MIN
26	AB 1631 XS	14.42	14.51	9	
27	AB 1662 AN	14.55	15.04	9	
28	B 1717 QT	15.02	15.11	9	
29	AB 1695 AH	15.07	15.16	9	TAXI
30	AB 1555 IE	16.35	16.44	9	
31	AB 1653 VE	16.51		9	MIN
32	AB 1885 GA	14.45	14.55	10	
33	AA 8610 TH	15.00	15.10	10	
34	AA 8553 RK	16.40	16.50	10	
35	AB 1087 VA	16.50		10	MIN
36	B 8691 VX	16.50		10	MIN
37	AB 1668 VE	16.50		10	MIN

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NO	PLAT NO	IN	OUT	DUR	NOTE
38	H 9277 WR	15.02	15.13	11	
39	AB 1396 BD	15.03	15.14	11	
40	AB 1890 UN	15.07	15.18	11	
41	AA 8910 WA	16.15	16.26	11	
42	AB 1249 SA	16.49		11	MIN
43	B 1690 UFW	16.49		11	MIN
44	AB 1735 EA	16.48		12	MIN
45	AB 9009 DY		14.42	12	MIN
46	AB 1635 GH	14.41	15.03	12	
47	B 1579 IY	15.06	15.18	12	
48	B 1527 FFR	15.12	15.24	12	
49	AB 1929 HN	15.17	15.29	12	
50	AB 1152 JI	15.23	15.35	12	
51	AA 8604 WF	16.20	16.32	12	
52	AB 1767 AH	16.48		12	MIN
53	B 1403 POD	14.49	15.02	13	
54	AB 1411 AH	15.22	15.35	13	TAXI
55	B 1940 VUK	15.22	15.35	13	
56	AD 8646 QB	15.24	15.37	13	
57	AB 1435 ND	15.25	15.38	13	
58	AB 1013 LC	16.45	16.58	13	
59	AB 1696 RU	16.47		13	MIN
60	B 8225 R	15.48	16.02	14	
61	B 1499 BLO	16.46		14	MIN
62	AB 1263 HH	14.37	14.52	15	
63	AB 1548 RN	15.14	15.29	15	
64	AB 1577 QN	15.47	16.02	15	
65	DR 1818 YZ	16.11	16.26	15	
66	AB 1567 AE	16.12	16.27	15	
67	AB 1298 RN	15.53	16.08	15	
68	AB 1073 TA	16.44		16	MIN
69	AB 1599 QE	14.45	15.01	16	
70	AB 1365 AH	16.09	16.25	16	
71	B 1321 RH	16.10	16.26	16	
72	W 1221 YA		14.46	16	MIN
73	DT 7316 AB	16.44		16	MIN
74	AB 1291 HC	16.43		17	MIN

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NO	PLAT NO	IN	OUT	DUR	NOTE
75	AB 1355 FE		14.47	17	MIN
76	AB 1149 WK	14.41	14.58	17	
77	AB 9964 EN	14.56	15.13	17	
78	AB 1136	16.04	16.21	17	
79	AB 1558 RE	16.08	16.25	17	
80	AB 1682	16.43		17	MIN
81	AD 8612 J		14.48	18	MIN
82	AB 1594 AH	14.30	14.48	18	TAXI
83	AB 1813 EH	16.03	16.21	18	
84	N 1162 GH	16.06	16.24	18	
85	AB 1587 EH	16.07	16.25	18	
86	AB 8177 HN		14.49	19	MIN
87	AB 1725 NC	15.13	15.32	19	
88	AB 1657 UK	16.00	16.19	19	
89	AB 1386 KF	14.38	14.58	20	
90	BK 1934 RK	15.14	15.34	20	
91	AD 7604 TC	15.58	16.18	20	
92	AB 1576 AE	15.59	16.19	20	
93	AD 7187 IC	16.22	16.42	20	
94	AD 8584 N	16.23	16.43	20	
95	AB 1103 BJ	16.24	16.44	20	
96	AB 1191 AY		14.51	21	MIN
97	AB 1878 NO		14.51	21	MIN
98	AB 9692 RE		14.51	21	MIN
99	B 1477 FDH	15.56	16.17	21	
100	B 2292 YR	15.57	16.18	21	
101	D 1630 XS	16.20	16.41	21	
102	AB 1848 TAA	16.21	16.42	21	
103	AB 1919 CK		14.52	22	MIN
104	H 9318 ER	15.54	16.16	22	
105	AB 1887 WZ	15.55	16.17	22	
106	AB 1402 HA	16.19	16.41	22	
107	AB 1994 QI	16.38		22	MIN
108	AB 1174 XMK		14.53	23	MIN
109	AB 1526 HH		14.53	23	MIN
110	AB 622 WE		14.53	23	MIN
111	AB 1520 CH	14.38	15.01	23	



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NO	PLAT NO	IN	OUT	DUR	NOTE
112	AB 7752 AS	14.44	15.07	23	DAMRI
113	AB 1253 UE	15.53	16.16	23	
114	AB 1407 QH	16.18	16.41	23	
115	AB 1384 AH	16.37		23	MIN
116	AB 1391 KI		14.54	24	MIN
117	AB 1965 PJ	14.32	14.56	24	
118	AR 912 NN	16.15	16.39	24	
119	AB 1744 DA	16.16	16.40	24	
120	AB 1226 EZ	16.36		24	MIN
121	AB 1445 FN	14.31	14.56	25	
122	DS 1476 AN	16.14	16.39	25	
123	AA 8483 HV		14.55	25	MIN
124	AB 1386 LF		14.55	25	MIN
125	B 1013 LC		14.56	26	MIN
126	AB 1598 MN	14.36	15.02	26	
127	AB 1417 IE	14.49	15.15	26	
128	B 243 DR	14.51	15.17	26	
129	AB 1744 JI	15.32	15.58	26	
130	AB 1414 H	16.34		26	MIN
131	B 1307 ZFA	16.33		27	MIN
132	B 9187 W	14.54	15.22	28	HERONA
133	AB 1815 F	16.32		28	MIN
134	AB 1762 BH	15.28	15.57	29	
135	B 1458 GEO	16.31		29	MIN
136	AB 1977 XQ	14.43	15.13	30	
137	AB 1128 HI	16.30		30	MIN
138	AB 1991 XE		15.01	31	MIN
139	AB 1094 UK		15.02	32	MIN
140	B 1403 POO		15.02	32	MIN
141	B 2630 ZQ		15.02	32	MIN
142	H 8695 EF		15.02	32	MIN
143	AB 1306 IE	15.33	16.05	32	
144	AB 1209 KN		15.03	33	MIN
145	AB 1370 TK		15.03	33	MIN
146	AB 1582 ON		15.03	33	MIN
147	AB 1582 VA		15.03	33	MIN
148	AB 8457 UD		15.03	33	MIN

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NO	PLAT NO	IN	OUT	DUR	NOTE
149	AB 1421 FA	14.41	15.15	34	
150	AB 1180 EH		15.06	36	MIN
151	AB 1504 ET		15.06	36	MIN
152	AD 1699 RZ		15.06	36	MIN
153	D 1094 SE	16.23		37	MIN
154	R 8834 GB	16.23		37	MIN
155	AB 1610 YX	16.22		38	MIN
156	B 1422 SIJ	14.51	15.29	38	
157	AB 1304 YQ	16.14	16.52	38	
158	AB 1896 CN	16.22		38	MIN
159	H 8841 CZ	14.35	15.14	39	
160	B 8830 FG	16.20		40	MIN
161	AB 1608 EH		15.11	41	MIN
162	B 9075 BCH		15.11	41	MIN
163	AB 1562 BN	14.49	15.31	42	
164	AB 9131 HN		15.14	44	MIN
165	AD 8902 TB	16.15		45	MIN
166	AA 4378 FN	16.01	16.46	45	
167	AD 8953 DU	16.14		46	MIN
168	AB 1541 WS	14.52	15.38	46	
169	AB 1367 YN	16.03	16.49	46	
170	AB 1534 RE		15.16	46	MIN
171	AB 1074 SH	16.14		46	MIN
172	W 804 AN	16.13		47	MIN
173	AB 1570 AB	14.51	15.38	47	
174	AB 1573 AE	16.13		47	MIN
175	AB 1926 YS	16.12		48	MIN
176	AB 8999 GP		15.18	48	MIN
177	AB 1512 LH	16.12		48	MIN
178	AB 7201 WS	16.11		49	MIN
179	E 1201 BF		15.19	49	MIN
180	DK 7733 C	16.11		49	MIN
181	AB 8778 RO	16.10		50	MIN
182	S 4031 NT	16.10		50	MIN
183	L 8940 MR	16.09		51	MIN
184	AB 1695 JZ	14.33	14.57	51	
185	AB 8201 RA	16.09		51	MIN

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NO	PLAT NO	IN	OUT	DUR	NOTE
186	AB 8423 RN	16.09		51	MIN
187	AB 1020 KL	16.08		52	MIN
188	B 8328 N	16.08		52	MIN
189	D 7281 Y	16.07		53	MIN
190	AB 1933 CN	16.07		53	MIN
191	AB 8910 LN	16.06		54	MIN
192	AB 1172 DN	16.06		54	MIN
193	AB 8421 BN	16.05		55	MIN
194	AB 1428 HN	16.05		55	MIN
195	AB 1660 RN	16.04		56	MIN
196	AB 8180 TT	16.04		56	MIN
197	B 5732 NO	16.04		56	MIN
198	AD 8923 TR	16.03		57	MIN
199	BK 1924 NB	16.01		59	MIN
200	B 2031 TP	15.59		61	MIN
201	AB 1588 AE		15.31	61	MIN
202	AB 1788 LN	15.58		62	MIN
203	AB 1023 NN	16.00		62	MIN
204	Z 8384 RFN	16.00		62	MIN
205	AB 1823 VP	15.57		63	MIN
206	AB 8012 GN	15.56		64	MIN
207	AB 1207 QN	15.55		65	MIN
208	B 1940 YVK		15.35	65	MIN
209	AB 1432 TN		15.36	66	MIN
210	AA 6688 MM	15.54		66	MIN
211	AB 1766 SQ		15.37	67	MIN
212	AD 8646 QB		15.37	67	MIN
213	B 1787 WZ		15.37	67	MIN
214	AB 69452 CN		15.38	68	MIN
215	AB 1834 CC		15.39	69	MIN
216	AA 7299 CD	15.02	16.12	70	
217	B 9531 UCH	15.47		73	MIN
218	BE 2274 YP	15.46		74	MIN
219	B 1308 TKV	15.45		75	MIN
220	AB 1426 FQ	15.44		76	MIN
221	AB 1212 RT	15.43		77	MIN
222	B 1798 KVF	15.42		78	MIN

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 DATA SORTED BY DURATION (MINUTES)

NO	PLAT NO	IN	OUT	DUR	NOTE
223	B 1084 TFV	15.41		79	MIN
224	AA 8588 EE	15.40		80	MIN
225	AD 8923 TR		15.50	80	MIN
226	AB 7799 EA	15.39		81	MIN
227	AB 1858 JZ	15.38		82	MIN
228	AD 8902 TB		15.52	82	MIN
229	AB 1542 LB	15.37		83	MIN
230	AB 1337 AH	15.36		84	MIN / TAXI
231	AB 1046 TK	15.35		85	MIN
232	W 1015 YG	15.34		86	MIN
233	AB 1925 HI	15.33		87	MIN
234	B 1752 TKB	15.33		87	MIN
235	AD 8931 UA	15.32		88	MIN
236	AE 1757 NJ	15.32		88	MIN
237	AB 1148 WH	15.31		89	MIN
238	AB 1278 KH	15.31		89	MIN
239	AB 1795 VS	15.31		89	MIN
240	AB 1952 QA	15.31		89	MIN
241	F 1251 DL	15.31		89	MIN
242	AB 1460 DH	15.30		90	MIN
243	B 604 GAT	15.30		90	MIN
244	B 8830 FG		16.00	90	MIN
245	AB 1378 AE	15.29		91	MIN / TAXI
246	AB 1623 BQ	15.29		91	MIN
247	AB 1765 NQ	15.29		91	MIN
248	B 1161 UZD	15.29		91	MIN
249	BE 2086 YQ	15.29		91	MIN
250	AB 1572 AE	15.28		92	MIN / TAXI
251	AB 8475 QC	15.28		92	MIN / TRAFFIC
252	AA 9248 SB	15.27		93	MIN
253	AB 1164 WE	15.27		93	MIN
254	AB 1516 WN	15.27		93	MIN
255	B 1166 UZN	15.27		93	MIN
256	AB 8757 HS	15.26		94	MIN / HERONA
257	B 255 YUL	15.26		94	MIN/PAPER2
258	AB 1875 YK	15.24		96	MIN
259	AD 8035 HC	15.23		97	MIN

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 DATA SORTED BY DURATION (MINUTES)

NO	PLAT NO	IN	OUT	DUR	NOTE
260	AA 8440 QE	15.22		98	MIN
261	AB 1234 JU	15.22		98	MIN
262	AB 3414 HA	15.22		98	MIN
263	AB 1054 RS	15.21		99	MIN
264	AB 1313 XQ	15.21		99	MIN
265	AD 411 SA	15.21		99	MIN / PAPER
266	B 1079 EQF	15.21		99	MIN
267	B 1428 KFD	15.20		100	MIN
268	AB 1083 Q	15.19		101	MIN
269	AB 1456 UN	15.19		101	MIN
270	AB 1989 MT	15.19		101	MIN
271	AB 1120 GN	15.16		104	MIN
272	AB 899 NH	15.16		104	MIN
273	F 1637 TZ	15.15		105	MIN
274	AB 1193 VE	15.14		106	MIN
275	AB 1894 DH	15.14		106	MIN
276	AD 9077 CR	15.14		106	MIN
277	AB 1622 JQ	15.13		107	MIN
278	AB 1935 KK	15.13		107	MIN
279	AB 1790 EZ	15.12		108	MIN
280	AG 499 YB	15.12		108	MIN
281	B 1886 WKU	15.12		108	MIN
282	AB 1223 BH	15.08		112	MIN
283	AB 1939 U	15.07		113	MIN
284	AB 1682 FN		16.24	114	MIN
285	AB 1702 SN	15.05		115	MIN
286	B 457 UTY		16.25	115	MIN
287	AB 1423 TN	15.04		116	MIN
288	B 1225 KZA	15.04		116	MIN
289	B 1268 BIS		16.26	116	MIN
290	B 233 ZEE		16.27	117	MIN
291	D 833 RS		16.28	118	MIN
292	AB 6000 EN		16.29	119	MIN
293	AB 1426 HQ	15.01		119	MIN
294	B 1942 EFF		16.30	120	MIN
295	AB 1895 KA		16.31	121	MIN
296	AB 1431 SA	14.59		121	MIN

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NO	PLAT NO	IN	OUT	DUR	NOTE
297	AB1850 FN	14.59		121	MIN
298	AB 1250 AB	14.58		122	MIN / TAXI
299	AB 1303 JI	14.58		122	MIN / TAXI
300	AB 1999 DA	14.58		122	MIN
301	AB 1001 OB		16.32	122	MIN
302	AD 8889 RJ		16.33	123	MIN
303	D 8682 DN	14.57		123	MIN
304	AB 1626 LK		16.34	124	MIN
305	R 9302 HB	14.56		124	MIN
306	AB 1919 RB		16.35	125	MIN
307	AD 9254 XN	14.55		125	MIN
308	B 1499 TYM	14.55		125	MIN
309	DA 7110 PG	14.55		125	MIN
310	BK 3533 GU		16.36	126	MIN
311	AB 1668 MQ	14.54		126	MIN
312	AB 1923 WA	14.54		126	MIN
313	H 1680 JA		16.37	127	MIN
314	AB 1256 UK	14.53		127	MIN
315	AB 1332 JE	14.53		127	MIN
316	B 1987 SZA	14.53		127	MIN
317	AB 9482 FH		16.38	128	MIN
318	AB 1589 AH	14.52		128	MIN / TAXI
319	AB 8489 MS	14.52		128	MIN
320	G 1012 KF	14.52		128	MIN
321	B 1042 PJ		16.39	129	MIN
322	AB 1429 HN	14.51		129	MIN
323	AB 1590 AH	14.51		129	MIN / TAXI
324	AB 8445 MA		16.40	130	MIN
325	AB 1062 XY	14.50		130	MIN
326	AB 1783 GT		16.41	131	MIN
327	AD 8999 GP	14.49		131	MIN
328	D 1367 PK	14.49		131	MIN
329	AB 5490 YY		16.42	132	MIN
330	AB 1149 GT	14.48		132	MIN
331	AB 1540 LH	14.48		132	MIN
332	AB 1763 BN	14.48		132	MIN
333	AD 7192 F	14.48		132	MIN

DAY 2, DATE: THURSDAY, MAY 5, 2016 (HOLIDAY)  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLAT NO	IN	OUT	DUR	NOTE
334	AB 1685 FA		16.43	133	MIN
335	AB 1682 WQ	14.47		133	MIN
336	B 7696 IT	14.46		134	MIN
337	AB 1787 KO		16.45	135	MIN
338	AB 1305 HA	14.37	16.52	135	
339	B 1757 TVI	14.45		135	MIN
340	AB 1274 NA		16.46	136	MIN
341	AB 670 AN		16.47	137	MIN
342	AB 1762 XY	14.43		137	MIN
343	AB 789 KQ	14.43		137	MIN
344	AB 7235 BN		16.48	138	MIN
345	H 7117 NR		16.49	139	MIN
346	AB 1367 YN		16.49	139	MIN
347	L 838 AS		16.50	140	MIN
348	AB 1421 SN	14.40		140	MIN
349	AB 1881 BZ	14.40		140	MIN
350	AD 118 ND		16.51	141	MIN
351	AD 9059 SU		16.52	142	MIN
352	AB 8118 MY		16.53	143	MIN
353	AB 1742 MK	14.37		143	MIN
354	AB 8168 RO		16.54	144	MIN
355	AB 1198 AY	14.36		144	MIN
356	G 3866 BN		16.55	145	MIN
357	AB 1190 QH	14.35		145	MIN
358	AB 1630 WZ		16.56	146	MIN
359	H 3539 TR		16.56	146	MIN
360	AB 1274 NB		16.57	147	MIN
361	AB 1853 KF		16.57	147	MIN
362	R 9188 CT		16.58	148	MIN
363	AB 1690 GN		16.58	148	MIN
364	AB 1699 GN		16.58	148	MIN
365	B 8239 RUN		16.59	149	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
1	AB 1668 MO	16.12	16.14	2	
2	B 1997 VHM	15.25	15.28	3	
3	AD 8953 DU	15.31	15.34	3	
4	AA 8910 WA	15.32	15.35	3	
5	AB 1141 BD	14.51	14.55	4	
6	L 1904 RV	14.52	14.56	4	
7	AB 1611 AH	14.54	14.58	4	TAXI
8	AB 1709 S	14.58	15.02	4	
9	W 804 AN	15.30	15.34	4	
10	DR 1818 YZ	15.42	15.46	4	
11	AB 1046 PO	15.43	15.47	4	
12	AB 1226 EZ	15.47	15.51	4	
13	AB 1210 VS	16.05	16.09	4	
14	AB 1228 EK	16.06	16.10	4	
15	AB 1469 FA	14.28	14.33	5	
16	AB 1744 DH	15.05	15.10	5	
17	AB 1587 EH	15.40	15.45	5	
18	AB 1249 SA	15.55	16.00	5	
19	AB 1449 GN	16.06	16.11	5	
20	AB 1006 IC	16.08	16.13	5	
21	B 1669 ZUT	15.18	15.24	6	
22	R 8834 GB	15.38	15.44	6	
23	AB 1103 BJ	15.39	15.45	6	
24	AB 1203 FH	16.06	16.12	6	
25	AB 1373 AH	16.06	16.12	6	
26	AB 1642 WE	16.07	16.13	6	
27	AB 1785 AH		14.36	6	MIN
28	AB 1377 JI	15.08	15.15	7	
29	AB 1449 DN	15.10	15.17	7	
30	AB 1014 LC	15.59	16.06	7	
31	AB 1896 CN	16.01	16.08	7	
32	AB 1014 TN	16.33	16.40	7	
33	AB 1744 DA	15.50	15.58	8	
34	AB 1073 TA	15.52	16.00	8	
35	AB 1668 VE	15.56	16.04	8	
36	AD 8768 EF	15.58	16.06	8	
37	BE 2887 AX	15.18	15.27	9	
38	AB 1066 LH	15.20	15.29	9	
39	AB 1873 NQ	15.26	15.37	9	
40	AB 1657 UK	15.34	15.43	9	



DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
41	AB 1013 IC	15.36	15.45	9	
42	AB 1767 AH	15.54	16.03	9	
43	AB 1655 SK	14.55	15.05	10	
44	AB 1630 DO	15.08	15.18	10	
45	AD 7604 TC	15.33	15.43	10	
46	AB 1087 VA	15.55	16.05	10	
47	AB 1727 CH	15.08	15.19	11	
48	AB 1576 AE	15.33	15.44	11	TAXI
49	AA 8604 WF	15.35	15.46	11	
50	AA 8553 RK	15.50	16.01	11	
51	D 90 AD	16.44	16.55	11	
52	B 8681 YO	14.59	15.11	12	
53	AB 1013 LC	15.52	16.04	12	
54	AB 818 MJ	15.59	16.11	12	
55	DD 1804 AI	16.02	16.14	12	
56	AB 1744 JI	16.43	16.55	12	
57	B 2932 QC	14.53	15.06	13	
58	BH 1362 MB	15.01	15.14	13	
59	AB 1407 QH	15.50	16.03	13	
60	AB 1682	15.51	16.04	13	
61	AB 1610 YX	16.01	16.14	13	
62	AB 1278 XQ	16.31	16.44	13	
63	AA 8482 MA	16.40	16.53	13	
64	AB 1509 XP	16.42	16.56	13	
65	B 8932 CH	15.13	15.27	14	
66	AD 1917 YU	15.06	15.21	15	
67	AB 1970 DN	15.10	15.25	15	
68	B 1458 GEO	15.44	15.59	15	
69	AB 1402 HA	15.50	16.05	15	
70	B 1499 BLO	15.53	16.08	15	
71	AB 1482 FKE	16.45		15	MIN
72	AB 1877 QF	16.45		15	MIN
73	B 164 CHA	16.45		15	MIN
74	AA 8427 GD	16.40	16.56	16	
75	B 1768 NOG	16.44		16	MIN
76	B 2756 OK	16.44		16	MIN
77	AB 1557 UE	15.46	16.03	17	
78	AB 1384 AH	15.48	16.05	17	
79	AB 1625 AH	16.00	16.17	17	
80	AB 1517 EH	16.01	16.18	17	
81	H 990 TR	16.01	16.18	17	
82	AA 1555 GN	16.38	16.55	17	
83	AA 5479 VB	16.41	16.58	17	
84	AB 1523 AH	16.00	16.18	18	
85	AB 1224 GK	16.01	16.19	18	

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
86	AB 1875 YY	16.42		18	MIN
87	B 1679 CFU	16.42		18	MIN
88	AB 1128 HI	15.43	16.02	19	
89	AB 1535 GH	16.00	16.19	19	
90	AB 1697 AH	16.01	16.20	19	
91	AB 1763 NQ	16.01	16.20	19	
92	AB 1432 PF	16.41		19	MIN
93	AB 1815 F	16.40		20	MIN
94	AB 1653 VE	15.56	16.17	21	
95	AB 1409 YY		14.51	21	MIN
96	AB 1587 QH		14.51	21	MIN
97	AB 1601 KD		14.51	21	MIN
98	AB 1744 JI		14.51	21	MIN
99	E 205		14.51	21	MIN
100	AA 8764 X	14.34	14.56	22	
101	B 1169 VFT	15.19	15.31	22	
102	AB 1074 SH	15.30	15.52	22	
103	AD 8902 TB	15.32	15.54	22	
104	AB 1558 RE	15.40	16.02	22	
105	AB 1815 F	15.44	16.06	22	
106	B 1307 ZFA	15.45	16.07	22	
107	B 8691 VX	15.55	16.17	22	
108	AB 1532 KN	15.57	16.19	22	
109	AA 9213 SB		14.52	22	MIN
110	AB 1814 HC		14.52	22	MIN
111	AB 1404 BJ	15.03	15.26	23	
112	N 1162 GH	15.39	16.02	23	
113	AB 1365 AH	15.40	16.03	23	
114	AB 1256 AH		14.53	23	MIN
115	AB 1293 YA		14.53	23	MIN
116	AB 1576 AE		14.53	23	MIN
117	B 1321 RH	15.41	16.05	24	
118	AB 1073 TA	16.36		24	MIN
119	AB 1591 AE	16.36		24	MIN
120	L 1901 NB		14.54	24	MIN
121	AB 1813 EH	15.36	16.01	25	
122	AB 1265 SH	16.08	16.33	25	
123	AB 1682 WQ	16.35	16.40	25	MIN
124	AB 1127 FN	16.35		25	MIN
125	AB 1306 JD		14.55	25	MIN
126	H 9771 CS	14.32	14.58	26	
127	D 1094 SE	15.38	16.04	26	
128	AB 1968 EX	16.34		26	MIN
129	AD 8612 J	16.34		26	MIN
130	AB 1906 QN		14.56	26	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
131	B 8056 WI		14.56	26	MIN
132	B 1659 BZS	16.33		27	MIN
133	AB 1738 IN		14.57	27	MIN
134	B 1844 BYV		14.57	27	MIN
135	AB 1383 YE	14.57	15.25	28	
136	B 8830 FG	15.34	16.02	28	
137	AB 1480 ND		14.58	28	MIN
138	AD 9198 TF		14.58	28	MIN
139	AB 1030 QA	16.09	16.38	29	
140	AB 1267 MN	16.30	16.59	29	
141	AB 1580 AE	16.31		29	MIN
142	AB 1417 AH	16.32		29	MIN
143	B 8842 OT	16.32		29	MIN
144	AB 2372 CS	16.30		30	MIN
145	AB 1674 DH	15.08	15.39	31	
146	B 9554 KAL	15.25	15.56	31	
147	AB 1006 LC		15.01	31	MIN
148	D 1292 ADX		15.01	31	MIN
149	AB 1450 AH	14.50	15.22	32	
150	AA 9169 NE	15.10	15.42	32	
151	DH 1264 AK	16.00	16.32	32	
152	AB 1590 AH		15.02	32	MIN
153	AB 1963 XQ		15.02	32	MIN
154	B 7228 YAA		15.02	32	MIN
155	AB 1596 AY	14.53	15.26	33	
156	AB 1304 YQ	15.30	16.03	33	
157	AB 1253 UE	15.32	16.05	33	
158	AB 1075 AE	15.10	15.44	34	TAXI
159	AB 1512 LH	15.26	16.00	34	
160	AB 1284 VH	16.03	16.37	34	
161	AB 1040 AS	16.43	16.48	35	
162	AD 9429 RC		15.05	35	MIN
163	AB 1136	15.36	16.12	36	
164	AA 1845 KT		15.06	36	MIN
165	AA 8231 MH		15.06	36	MIN
166	AB 1013 QD		15.06	36	MIN
167	B 1757 TVI		15.06	36	MIN
168	AB 1129 YE	15.04	15.44	40	
169	AB 1926 YS	15.27	16.07	40	
170	H 7559 RY	16.00	16.40	40	
171	AB 124 JA		15.10	40	MIN
172	AB 1144 FA		15.11	41	MIN
173	D 1630 XS	15.50	16.32	42	
174	L 1586	16.06	16.49	43	
175	AD 7487 H		15.13	43	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
176	AB 9325 LB	15.21	16.05	44	
177	K 9082 FF	16.04	16.48	44	
178	W 1070 SA	15.05	15.50	45	
179	AD 9486 YU		15.16	46	MIN
180	AB 1981 DN		15.17	47	MIN
181	B 1618 KML		15.18	48	MIN
182	AB 1274 UE	16.01	16.50	49	
183	AB 1136 N		15.19	49	MIN
184	AB 1181 QN	15.02	15.52	50	
185	AB 1748 NH	15.16	16.06	50	
186	B 1440 EN	16.01	16.51	50	
187	AB 1384 WE	16.10		50	MIN
188	AB 1587 QH		15.20	50	MIN
189	H 8879 LB		15.20	50	MIN
190	AB 1997 BU		15.21	51	MIN
191	P 1546 ML	16.06	16.58	52	
192	AB 1130 SN		15.22	52	MIN
193	AB 1496 BV	14.34	15.27	53	
194	AB 1167 UN		15.23	53	MIN
195	AB 1585 AH		15.23	53	MIN
196	B 2094 BFY		15.23	53	MIN
197	AB 1267 HH	16.04	16.58	54	
198	AB 8517 JC	16.06		54	MIN
199	AB 1068 BJ		15.24	54	MIN
200	AB 1873 YA		15.24	54	MIN
201	AB 1453 FH	16.05		55	MIN
202	AB 1681 AG	16.05		55	MIN
203	AB 1717 ON	16.05		55	MIN
204	AB 1719 CH	16.05		55	MIN
205	AB 8508 IY	16.05		55	MIN
206	B 8513 VI	16.05		55	MIN
207	D 1412 ABA		15.25	55	MIN
208	AB 1586 AE	16.04		56	MIN
209	AB 1663 CZ	16.04		56	MIN
210	AB 1684 AH	16.04		56	MIN
211	AB 1812 KF	16.04		56	MIN
212	AB 1918 PN	16.04		56	MIN
213	B 1952 POO	16.04		56	MIN
214	AB 1430 VN		15.26	56	MIN
215	KT 1598 AD		15.26	56	MIN
216	AB 1217 LH	16.03		57	MIN
217	AB 1430 PN	16.03		57	MIN
218	AB 1573 PE	16.03		57	MIN
219	AB 1607 RQ	16.03		57	MIN
220	AB 1718 QZ	16.03		57	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
221	AB 1767 VE	16.03		57	MIN
222	AB 1792 NN	16.03		57	MIN
223	AB 1864 PN	16.03		57	MIN
224	AB 7073 HH	16.03		57	MIN
225	AB 7752 AS	16.03		57	MIN
226	B 1229 KZJ	16.03		57	MIN
227	B 2480 VT	16.03		57	MIN
228	AB 7868 JN		15.27	57	MIN
229	AB 1370 QE	16.02		58	MIN
230	AB 1510 WC	16.02		58	MIN
231	AB 1842 FN	16.02		58	MIN
232	AB 1880 TZ	16.02		58	MIN
233	AB 2781 LS	16.02		58	MIN
234	AB 1373 AH		15.28	58	MIN
235	AB 1522 CH	16.01		59	MIN
236	AB 1291 HC	15.51	16.51	60	
237	AB 1379 CH	16.00		60	MIN
238	AB 1747 CT	16.00		60	MIN
239	AB 1947 EN	16.00		60	MIN
240	AB 1997 BU		15.30	60	MIN
241	AD 8558 LU		15.30	60	MIN
242	KT 1598 AD		15.30	60	MIN
243	DT 7316 AB	15.51	16.52	61	
244	AB 1552 CH		15.31	61	MIN
245	B 1741 ZM	15.58		62	MIN
246	AB 1440 NN		15.32	62	MIN
247	bis yunika		15.32	62	MIN
248	B 1891 BOD	15.57		63	MIN
249	AB 1250 AR		15.33	63	MIN
250	B 7440 TGA		15.33	63	MIN
251	K 1599 DZ		15.33	63	MIN
252	B 1307 NKH		15.34	64	MIN
253	H 8879 LB		15.35	65	MIN
254	B 1690 UFW	15.54		66	MIN
255	AB 1417 EC		15.36	66	MIN
256	B 1844 BYV	14.50	15.57	67	
257	H 9318 ER	15.32	16.39	67	
258	AB 1696 RU	15.53		67	MIN
259	AB 1735 EA	15.53		67	MIN
260	AB 1385 AE		15.37	67	MIN
261	AB 1923 WA		15.38	68	MIN
262	H 9318 ER		15.39	69	MIN
263	AB 1848 TAA	15.50		70	MIN
264	AD 7187 IC	15.50		70	MIN
265	AD 8584 N	15.50		70	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
266	AB 1668 MO		15.40	70	MIN
267	DS 1476 AN	15.49	17.00	71	
268	AR 912 NN	15.49		71	MIN
269	AB 8910 MA		15.41	71	MIN
270	AB 1994 QI	15.48		72	MIN
271	AB 8911 MA		15.42	72	MIN
272	AB 1001 NS	15.18	16.31	73	
273	AB 1414 H	15.45		75	MIN
274	AB 1275 KZ		15.47	77	MIN
275	AB 1567 AE	15.42		78	MIN
276	dua loss	15.37		83	MIN
277	dua loss b	15.37		83	MIN
278	AB 1669 JB		15.53	83	MIN
279	AB 1255 CH	15.23	16.47	84	
280	AB 1652 N		15.55	85	MIN
281	AD 1073 WN		15.57	87	MIN
282	AB 1887 WZ	15.32		88	MIN
283	B 1477 FDH	15.32		88	MIN
284	B 2292 YR	15.32		88	MIN
285	AC 912 NN		16.00	90	MIN
286	B 1696 SRU		16.02	92	MIN
287	AB 1573 AE	15.27		93	MIN
288	B 1573 AE		16.03	93	MIN
289	AA 9507 EK		16.04	94	MIN
290	D 7316 AR		16.04	94	MIN
291	AB 1625 IN		16.05	95	MIN
292	AB 1881 WZ		16.05	95	MIN
293	AB 7789 AS		16.05	95	MIN
294	B 8016 IT	15.24		96	MIN
295	AB 1741		16.06	96	MIN
296	AR 1127 UF		16.06	96	MIN
297	BE 2292 YR		16.06	96	MIN
298	AB 1238 AK		16.07	97	MIN
299	AB 8558 LU	15.22		98	MIN
300	AB 1805 DH		16.11	101	MIN
301	B 1139 UVG		16.11	101	MIN
302	AB 1062 AS	15.18		102	MIN
303	AB 1625 CH	15.18		102	MIN
304	AB 1140 SN	15.15		105	MIN
305	AB 7790	15.15		105	MIN
306	AB 1873 HK	15.14		106	MIN
307	AB 1449 QN	15.12		108	MIN
308	B 1976 SAC		16.20	110	MIN
309	AB 172 JA	15.05		115	MIN
310	AB 1073 WN	15.04		116	MIN

DAY 1, DATE: SATURDAY , APRIL 23RD, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	IN	OUT	DUR	NOTE
311	KT 1738 LQ	15.01		119	MIN
312	AB 1307 RN	14.59		121	MIN
313	AB 9507 EK	14.59		121	MIN
314	AB 1407 HN		16.32	122	MIN
315	AD 1429 RC	14.57		123	MIN
316	AB 1132 NN		16.33	123	MIN
317	AB 1432 VN		16.36	126	MIN
318	AB 1625 CC		16.36	126	MIN
319	AB 1302 LN		16.37	127	MIN
320	AB 1796 KZ	14.52		128	MIN
321	AB 804 AN		16.39	129	MIN
322	AB 1911 XY	14.50		130	MIN
323	B 2045 QB		16.42	132	MIN
324	AB 1101 CN		16.44	134	MIN
325	B 1507 QO		16.48	138	MIN
326	AB 1802 QN		16.51	141	MIN
327	B 7787 RV		16.53	143	MIN
328	AA 8502 TN		16.55	145	MIN
329	AB 9253 JN	14.34		146	MIN
330	AB 7487 HA	14.33		147	MIN
331	R 7982 TT		16.57	147	MIN
332	AB 1023 MN		16.58	148	MIN
333	AB 71 AD	14.27		153	MIN

DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
1	AD 8441 Q	16.58		2	MIN
2	AB 1421 FA	15.08	15.12	4	
3	B 6923 CRN	15.39	15.43	4	
4	AB 1040 CH	16.43	16.47	4	
5	B 2720 BA	16.48	16.52	4	
6	AB 1484 KL	16.56		4	MIN
7	AB 1234 RN		14.35	5	MIN
8	AB 1012 NN	14.42	14.47	5	
9	AB 1223 RE	15.14	15.19	5	
10	AB 1301 NU	15.18	15.23	5	
11	B 1509 YF	16.16	16.21	5	
12	AB 1761 UA	16.41	16.46	5	RED PLATE
13	AB 1393 MF	16.52	16.57	5	
14	AB 1858 BB	16.55		5	MIN
15	AB 1728 GH	16.55		5	MIN
16	AB 8844 TN		14.36	6	MIN
17	AB 8991 RD		14.36	6	MIN
18	AA 9406 KA	14.35	14.41	6	
19	AG 1042 JT	14.40	14.46	6	
20	AB 9831 FN	14.46	14.52	6	
21	AB 8658 N	14.54	14.60	6	
22	AA 1023 DB	14.56	17.02	6	
23	AB 1457 TA	15.02	15.08	6	
24	AB 1188 CC	15.07	15.13	6	
25	AB 1245 XX	15.22	15.28	6	
26	B 9287 TUR	15.31	15.37	6	
27	B 1243 TRG	15.41	15.47	6	
28	H 8693 JY	16.02	16.08	6	
29	AB 1903 KH	16.12	16.18	6	
30	E 7122 FN	16.22	16.28	6	
31	AD 8824 DL	16.23	16.29	6	
32	B 9241 NW	16.41	16.47	6	
33	F 777 RS	16.41	16.47	6	
34	AB 611 LE	16.47	16.53	6	
35	AB 1068 AS	16.48	16.54	6	TAKSI
36	B 1353 UFR	16.49	16.55	6	
37	AB 19540 DA	16.52	16.58	6	TIKI



DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
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NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
38	AB 1199 UY	16.53	16.59	6	TRAVEL
39	AB 1008 LC	16.54	17.00	6	
40	AB 9100 B		14.37	7	MIN
41	AB 1303 TK	14.30	14.37	7	
42	AB 1972 PN	15.13	15.20	7	
43	AB 1992 AZ	15.28	15.35	7	
44	AD 9234 NN	15.36	15.43	7	
45	AB 1007 LC	15.42	15.49	7	
46	W 8823 KN	15.50	15.57	7	
47	B 1953 VKE	15.53	16.00	7	
48	AB 1042 AS	16.13	16.20	7	TAKSI
49	AB 1902 BR	16.14	16.21	7	
50	F 1672 PA	16.17	16.24	7	
51	AB 770 TI	16.29	16.36	7	
52	AB 8787 BA	16.35	16.42	7	
53	AB 1466 HH	16.41	16.48	7	
54	AB 1564 JH	14.31	14.39	8	
55	DR 1077 BC	14.41	14.49	8	
56	H 9783 WC	14.44	14.52	8	
57	B 7227 TAB	14.48	14.56	8	DAMRI
58	G 8705 CC	14.52	15.00	8	
59	AB 99 SP	14.53	14.61	8	
60	AB 1473 SA	15.03	15.11	8	
61	AB 1889 YN	15.21	15.29	8	
62	AB 554 AH	15.29	15.37	8	
63	B 8940 NB	15.29	15.37	8	
64	AB 8888 JY	15.33	15.41	8	
65	B 1475 TMA	15.46	15.54	8	
66	B 1926 UZB	15.52	16.00	8	
67	AB 1124 KR	15.55	16.03	8	
68	AB 7483 AK	16.13	16.21	8	
69	AB 1952 QA	16.15	16.23	8	
70	H 8123 HR	16.28	16.36	8	
71	AB 1266 AK	16.42	16.50	8	TAXI
72	R 8989 BA	16.49	16.57	8	
73	AB 1786 MM	16.52		8	MIN
74	B 7629 KRS		14.39	9	MIN

DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
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NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
75	D 1470 WL	14.33	14.42	9	
76	AB 1875 BC	14.45	14.54	9	
77	B 9484 BCD	14.50	14.59	9	
78	AB 1527 AE	15.04	15.13	9	
79	AB 1826 JH	15.19	15.28	9	
80	AB 1288 GG	15.21	15.30	9	
81	AB 7777 FI	15.32	15.41	9	
82	B 127 DN	15.42	15.51	9	
83	B 1428 KFD	15.45	15.54	9	
84	S 1030 N	15.47	15.56	9	
85	KT 1324 NB	15.49	15.58	9	
86	B 7604 MK	15.56	16.05	9	
87	H 8920 WS	16.38	16.47	9	
88	AB 1324 JJ	16.44	16.53	9	
89	H 7424 TC	16.51	17.00	9	
90	AB 1073 WN	17.00	17.09	9	
91	B 8123 TZ		14.40	10	MIN
92	AB 1988 KN		14.40	10	MIN
93	AB 1527 KI	15.05	15.15	10	
94	B 1421 CUR	15.44	15.55	10	
95	B 1036 REQ	15.49	15.59	10	
96	AB 1142 ZA	16.10	16.20	10	
97	AB 1838 LP	16.33	16.43	10	
98	AB 1958 JE	16.34	16.44	10	
99	AB 1922 QB	16.38	16.48	10	
100	B 9316 KAI	16.40	16.50	10	
101	AB 1529 FR	16.47	16.57	10	
102	AB 1604 AH	16.50		10	MIN/TAKSI
103	AB 1662 MZ	15.12	15.33	11	
104	AA 1834 TU	15.27	15.38	11	
105	AE 1199 UY	16.11	16.22	11	
106	AB 1732 NK	16.19	16.30	11	
107	AB 7372 TN	16.26	16.37	11	
108	AB 1853 FN	16.32	16.43	11	
109	AB 1928 RC	16.32	16.43	11	
110	AB 1334 AH	16.41	16.52	11	TAKSI
111	AB 1466 YN	16.48	16.59	11	

DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
112	AB 1554 AN	16.49		11	MIN
113	AB 1407 EA	16.35	16.47	12	
114	AB 1268 XY	16.46	16.58	12	
115	AB 1290 AN	14.38	14.51	13	
116	AB 1625 NT	14.55	15.08	13	
117	AB 1140 AK	14.57	15.10	13	TAKSI
118	AB 1827 RE	15.14	15.27	13	
119	AB 1938 YS	15.24	15.37	13	
120	H 1824 QQ	16.01	16.14	13	
121	AB 1944 DN	16.14	16.27	13	
122	AB 1718 EB	16.47		13	MIN
123	AB 7281 FN		14.44	14	MIN
124	AB 1599 QN	14.33	14.47	14	
125	AB 1259 RX	15.06	15.20	14	
126	AD 8412 RQ	15.28	15.42	14	
127	B 1353 UFR	15.35	15.49	14	
128	AE 456 ZA	15.38	15.52	14	
129	B 1548 SZX	15.48	16.02	14	
130	AB 1347 MZ	16.18	16.32	14	
131	AB 1345 ER	16.22	16.36	14	
132	AB 1001 NI	16.46	17.00	14	
133	B 9891 RT	14.37	14.52	15	
134	AB 1371 AH	14.51	15.06	15	
135	AB 1565 YX	15.22	15.37	15	
136	AB 1738 KN	15.23	15.38	15	
137	R 1928 PE	15.30	15.45	15	
138	B 1472 KIS	15.33	15.48	15	
139	B 2019 TEN	15.55	16.10	15	
140	H 1241 RO	16.27	16.42	15	
141	AB 8139 SE	16.36	16.51	15	
142	AB 1482 UN	14.44	15.00	16	
143	D 9182 OL	15.58	16.14	16	
144	AB 9223 RR	16.28	16.44	16	
145	B 2084 YD	16.35	16.51	16	
146	AB 1379 EN	16.38	16.54	16	
147	AB 1722 LN	16.44		16	MIN / TAXI
148	AB 1392 YH	14.36	14.53	17	

DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
149	B 9121 BUN	14.43	14.60	17	
150	AB 1666 LN	15.07	15.24	17	
151	AB 1634 HH	15.11	15.28	17	
152	AD 1932 KR	15.11	15.28	17	
153	AB 1940 DA	15.25	15.42	17	
154	AB 9139 SE	15.34	15.51	17	
155	B 1235 BRA	15.40	15.57	17	
156	AB 1614 NH	16.43		17	MIN / TAXI
157	AD 8497 GT	14.30	14.48	18	
158	AB 1441 JN	14.58	14.76	18	
159	AB 1835 FN	15.20	15.38	18	
160	B 923 RTN	15.35	15.53	18	
161	AE 1734 LK	15.37	15.55	18	
162	AA 7723 ES	16.05	16.23	18	
163	AB 1833 RP	16.07	16.25	18	
164	AB 1204 AJ	16.11	16.29	18	
165	AB 1284 AS	16.20	16.38	18	
166	B 6032 SIN	16.21	16.39	18	
167	AB 1651 BN	15.08	15.27	19	
168	B 1838 CFA	15.51	16.10	19	
169	B 7228 TAA	16.41	16.60	19	DAMRI
170	B 1084 NMC	16.54	16.73	19	
171	AD 7237 MA	14.47	14.67	20	
172	AB 1069 DC	14.49	15.09	20	
173	B 9213 KRU	14.55	14.75	20	
174	B 2001 TIR	15.54	16.14	20	
175	AB 1604 MN	16.14	16.34	20	
176	AB 1193 TM	16.37	16.57	20	TAKSI
177	AB 1604 PN	16.40		20	MIN / TAKSI
178	E 205	15.59	16.20	21	
179	AB 1545 QA	16.04	16.25	21	
180	B 7602 QK	16.24	16.45	21	
181	B 1759 BKR	16.56	17.17	21	
182	AB 1938 VS	14.32	14.54	22	
183	B 1410 SOX	15.44	16.06	22	
184	B 8874 BN	15.43	16.06	23	
185	W 1232 NH	16.09	16.33	24	

DAY 3, DATE: TUESDAY, MAY 24, 2016  
 LOCATION BONG SUWUNG, WEST GATE,  
 CAR PARKING YOGYAKARTA TUGU RAILWAY STATION  
 DATA SORTED BY DURATION (MINUTES)

NO	PLATE NO	TIME IN	TIME OUT	DUR	NOTE
186	AB 1591 AE	16.36		24	MIN / TAKSI
187	B 1482 ZN	14.35	15.00	25	
188	S 977 WN	16.08	16.33	25	
189	AB 1255 BR	15.09	15.35	26	
190	AB 8824 DC	16.30	16.56	26	
191	N 8989 N		14.58	28	MIN
192	AB 1613 CH	16.32		28	MIN
193	B 8934 RUK	15.26	15.55	29	
194	AB 1281 RD	15.15	15.45	30	
195	AB 1754 N	15.17	15.47	30	
196	H 8701 QB	16.03	16.33	30	
197	R 1303 SE	16.21	16.51	30	
198	AB 1507 AN	16.25	16.55	30	
199	AB 1751 AH	15.16	15.47	31	
200	AB 1882 CN		15.01	31	MIN
201	B 1603 EFZ	16.34	17.07	33	
202	AB 1013 IC	16.05	16.40	35	TAKSI
203	R 1344 PP	16.06	16.41	35	
204	B 8622 PI	15.57	16.35	38	
205	B 1953 VKG	16.40	17.18	38	
206	AB 1756 NZ	14.59	15.39	40	
207	AB 1606 AH		15.10	40	MIN / TAKSI
208	L 9280 VE	14.39	15.27	48	KID
209	R 1931 BT	16.07	16.56	49	
210	H 2093 JS	16.04	16.58	54	
211	KT 1688 FZ	16.05	16.59	54	
212	AB 1385 AR	15.00	15.55	55	
213	F 1824 NN	16.00	16.55	55	
214	AB 1450 UN	15.01	15.85	84	
215	R 7512 CD	14.34		124	MIN

**CURRENT PARKING PATTERN & CONDITION**  
BONG SUWUNG, WEST GATE, TUGU YOGYAKARTA  
RAILWAY STATION



Pedicap Parking Area and Lane Vanue



Expedition Services inside Parkign Area Railway Station



Public Ignorance of Prohibitory Parking Sign

**CURRENT PARKING PATTERN & CONDITION**  
BONG SUWUNG, WEST GATE, TUGU YOGYAKARTA  
RAILWAY STATION



June 7, 2016: Measurement of Parking Modules



Parking Area on Tuesday, June 7, 2016:  
Parallel One Side Parking & 45 degree Parking Lay Out



June 7, 2016: Bottle Neck Area, Pick Up & Arrival

**CURRENT PARKING PATTERN & CONDITION**  
BONG SUWUNG, WEST GATE, TUGU YOGYAKARTA  
RAILWAY STATION



Entrance and Exit Parking Gates



Lack of Pedestrian Facilities



Uncontrolled Parking, Traffic Jammed on Peak-hours