

LAMPIRAN 1

Data Jarak Antar Agen

Toko	Gudang	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	5.6	0																						
2	9.2	23.3	0																					
3	25	23.5	3	0																				
4	27.2	27.9	32.2	32.3	0																			
5	25.1	23	12.5	12.7	41.5	0																		
6	25.3	19.7	9.7	9.9	38.7	2.7	0																	
7	31.2	24.6	14.1	14.4	43.2	4.5	6.3	0																
8	24.1	24.8	36.3	36.4	4.7	47.7	43.3	48.3	0															
9	28.3	30.8	43.7	43.9	41.6	45.4	43	48.3	36.1	0														
10	25.7	28.2	41.1	41.3	39	41.1	40.4	45.7	33.5	2.6	0													
11	36.4	39	51.8	52	50.7	51.9	51.1	56.4	44.2	8	10.3	0												
12	27.3	29.8	27.6	27.3	18.1	42.7	42	42.2	14.9	27.1	24.7	29.8	0											
13	5.5	3	21.3	21.5	27.2	21.3	20.6	25.9	24	1.4	3.7	6.6	27.2	0										
14	5.4	3	20.8	21.1	26.7	20.2	20.2	25.5	23.5	28.3	26	36.3	26.1	1.3	0									
15	5.5	3	21.3	21.5	27.2	21.3	20.6	25.9	24	1.4	3.7	6.6	27.2	1.3	1.1	0								
16	3.1	6.8	26.3	26.5	25	24	25.6	31	21.8	25.4	23.1	33.4	23.3	6.3	4.9	6.3	0							
17	33.9	44.9	25.9	26	7.4	37.3	32.9	37.9	11.3	46.3	43.9	57.4	24.7	44.8	45.4	44.8	31.5	0						
18	40	33.5	14.4	14.5	14.2	25.8	21.5	26.5	18.9	66.7	54.7	65	32.3	33.3	33.9	33.3	42.4	8.8	0					
19	38.8	41.4	54.2	54	52.1	55.9	53.5	58.8	46.6	11.2	12.8	11.5	34	40.4	39	40.4	36.4	56.4	67.1	0				
20	32.1	33.7	9.1	9.2	27.7	11.6	10	14.7	32.4	58.6	56.2	66.5	45.3	34.9	35.5	34.9	43.9	20.8	13.3	68.9	0			
21	5.2	3	21	21.2	26.8	21	20.3	25.6	23.6	29.1	26.7	37	26.9	1.3	1.4	1.2	6.6	43.1	33.9	39.4	36.6	0		
22	27.3	28	31.6	31.7	1.8	43	38.6	43.6	4.7	39.6	37.3	50.7	18.1	27.8	28.4	27.8	24.8	7.4	15.6	50	28.3	28.3	0	
23	28.2	25	3.5	3.7	32	8.5	6.8	11.5	36.7	48.5	46.2	56.6	30.8	24.8	25.4	24.8	33.9	25.1	15.9	58.9	6.4	6.4	32	0
24	23.2	17.7	5.3	5.5	36.7	6.2	4.8	8.4	41.4	41.2	38.9	49.2	39	17.5	18.1	17.5	26.5	29.7	20.6	51.5	9.9	9.9	36.7	6.3
25	5.6	3	20.5	20.8	26.4	20.6	19.9	25.2	23.2	28.6	26.3	36.6	26.5	1.2	2.1	1.5	5.3	42.7	33.5	38.9	26.9	26.9	26.4	24.8
26	22.1	17.6	6.6	6.3	20	13.7	11.8	16.9	16.8	41.1	38.8	49.1	21.9	17.4	18	17.4	26.5	16.2	18.3	51.5	14.2	14.2	20	9.8
27	23.2	17.3	16	15.8	13.6	23.2	21.1	26.4	10.4	36.9	34.6	44.9	15.4	17.1	17.7	17.1	20.5	14.7	20.6	47.2	22.9	22.9	13.6	17.2
28	7.9	3.6	5.7	5.8	36.5	6.6	5	9.7	22.7	27.6	25.3	35.6	35.2	18.1	17.1	18.1	14.6	58	48.8	37.9	44.6	51.4	36.9	40.1
29	5.9	8.4	24	24.3	22.7	25.7	23.4	28.7	19.5	23.2	20.8	31.1	21	7.4	6	7.4	3.4	46.2	37	33.5	39.6	39.6	22.7	28.3
30	35.2	29.1	11.1	10.3	30.3	12.2	10.9	14.8	35	52.7	50.3	60.6	48.4	29	38.6	38	44.8	23.4	16.5	63	3.9	3.9	30.3	8.2
31	27	20.9	7.7	8	39.9	3.6	3	6.4	39.9	44.5	42.1	52.4	42.3	20.8	21.3	20.8	29.8	33	23.8	54.8	9.7	9.7	35.2	6.4
32	31.5	25.4	10	10.2	33.4	7.9	6.6	10.5	38.1	49	46.6	56.9	46.8	25.3	25.8	25.3	32.1	26.5	19.5	59.3	7.1	7.2	33.4	6.2
33	2.9	6.2	26.3	26.5	25	28	25.6	30.9	21.8	25.4	23.1	33.4	23.3	6.7	5.8	6.7	1.3	48.4	39.2	35.8	41.9	41.9	25	30.5
34	33.5	27.5	6.7	8.5	27.8	10.1	8.5	13.1	32.5	51	48.7	59	45.9	27.3	27.9	27.3	36.3	20.9	12.2	61.3	2.3	2.3	27.8	5.2
35	27.9	20.6	14.6	14.7	43.7	2.3	3.7	4.8	41.7	45.4	43.1	53.4	43.2	21.7	22.3	21.7	30.7	33.9	24.7	55.7	12.9	12.9	40.8	9.3
36	27.8	21.7	7.6	7.7	32.5	6.2	4.5	9.2	37.3	45.3	42.9	53.2	43.1	21.6	22.1	21.6	30.6	25.6	16.5	55.6	7.1	7.1	32.5	4.1
37	42.7	36.7	15.8	17.7	28.8	14.5	12.9	17.5	33.6	60.2	57.9	68.2	47	36.5	37.1	36.5	45.5	21.9	15.2	70.6	4.9	4.9	28.8	9.6
38	27.5	23	12.5	12.7	41.5	5	3.3	3.8	41.3	45	42.7	53	42.8	21.3	21.9	21.3	30.3	34.6	24.2	55.3	12.5	12.5	40.5	8.9
39	24.9	18.9	3.7	3.4	32.1	15.1	10.1	15.7	17.8	42.4	40.1	50.4	26	18.7	19.3	18.7	26.1	25.2	16.2	52.8	10.7	10.7	32.1	5.3
40	45.4	39.3	20.2	20.3	31.8	17	15.7	19.6	36.5	62.8	60.5	70.8	41.5	39.1	39.7	39.1	48.2	24.9	17.9	73.2	7.9	7.9	31.8	11.3

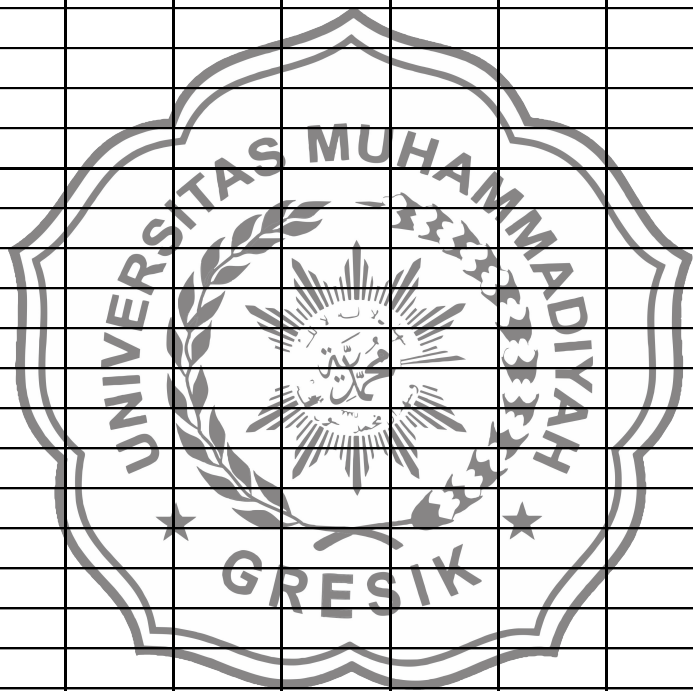
Lanjutan

41	26.1	18.6	12.7	12.9	41.7	5	3.6	5.5	40	43.6	41.3	51.6	41.5	19.9	20.5	19.9	29	32.2	23.1	54	11.2	11.2	39.1	7.6
42	25.8	19.7	6.4	6.5	37.7	4.9	3.2	10.4	38.8	43.2	40.9	51.2	41.1	19.5	20.1	36	26.2	27.2	18.1	53.6	8.6	8.6	34.1	5.1
43	29.8	20.3	2	5	30.7	16.1	9.3	16.7	35.5	47.3	44.9	55.2	27.4	23.6	19.9	23.6	27	23.8	14.6	57.6	9.2	9.2	30.7	3.9
44	36.4	30.3	12.2	13.2	33.3	13.3	12.1	18.5	36.2	53.9	51.5	61.8	49.6	39.1	39.7	39.1	46	24.6	17.6	64.2	5.2	5.2	31.5	9.2
45	35.6	29.6	10.9	11.1	33	11.9	10.8	14.7	37.7	53.1	50.7	61	51.1	29.4	30	29.4	38.4	26.1	19.1	63.4	6.5	6.5	33	8.6
46	29.9	24.6	6	6.1	30.7	6.9	5.3	10	35.5	47.4	45.1	55.4	45.3	23.7	24.3	23.7	30.6	23.8	14.7	57.8	5.3	5.3	30.7	3.6
47	26.7	20.6	10.1	10.3	39.2	5.2	5.4	5.8	40.5	44.1	41.8	52.1	42	20.4	21	20.4	29.5	32.2	23.1	54.5	13.8	13.8	39.2	14.3
48	38.9	42.5	14.8	23.5	35	16.4	15.1	19	39.7	66	63.7	74	53.1	42.3	42.9	42.3	49.2	28.1	21.1	76.4	9.6	9.6	35	11.7
49	30.5	24.8	8.4	7.8	33.1	6.7	5.9	9.4	37.8	48	45.7	56	45.9	24.3	25	24.4	31.2	26.2	17.5	58.3	7.7	7.8	33.1	5.1



Lanjutan

24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
0																									
17.5	0																								
9.2	17.4	0																							
17.8	17.1	10.3	0																						
32.8	2.8	31.8	39.7	0																					
21.1	6.3	20.1	20	18.2	0																				
12.1	28.9	15.7	24.4	44.6	33.9	0																			
4.8	20.7	13.6	22.3	36.3	25.7	10.9	0																		
9.3	25.2	12.9	21.7	40.8	30.2	5.8	6.1	0																	
23.2	5.2	22.3	19.1	14.7	2.3	43.3	26	31.4	0																
13.1	27.2	16.1	21.6	42.9	32.2	4.8	8.5	7.9	34	0															
5.7	21.6	14.5	23.3	37.3	26.6	14.4	3.1	9.1	28.3	10.2	0														
5.1	21.5	10.2	18.9	37.1	26.5	9.5	4.6	4.8	28.2	5.6	5.1	0													
22.3	36.5	17.3	33.3	52.1	41.4	6.4	13	10.7	43.2	7.8	13.5	10.7	0												
5.3	21.2	14.2	22.9	36.9	26.2	13.1	2.7	9.4	28	11.1	3.2	6.3	16	0											
7.7	18.7	4.5	12.5	34.3	23.7	13.1	10.5	11.7	25.4	9.6	10.2	7.9	17.4	10.9	0										
24.9	39.1	28	36.3	54.7	44.1	4.8	15.1	8.8	45.8	9.1	14.8	12.4	6.7	16.3	16.3	0									



Lanjutan

4.1	19.9	12.8	21.5	35.5	24.9	13.6	3.1	9.1	26.6	9.7	3.5	5.1	14.7	1.2	1.2	17.6	0								
3.1	19.5	10.1	18.9	35.1	24.5	11.1	4.2	6.7	26.2	7.1	4.7	2.4	12.1	4.6	4.9	14.7	4.9	0							
9.3	20.1	6.3	14.5	39.1	28.5	11.7	12.1	10.1	30.2	8.2	12.5	7.1	16.1	12.5	12.5	19.8	12.7	6.8	0						
13.3	30.1	16.9	25.6	45.8	35.1	1.7	11.5	7.7	36.8	7.1	11.3	10.3	6.9	14.1	15.2	5.7	15.2	11.1	11.7	0					
12.5	29.3	16.1	24.8	45	34.3	5.4	10.2	5.2	36	7.3	10.2	8.7	9.7	12.7	12.7	5.9	12.4	10.3	12.1	4.6	0				
7.7	23.7	11.2	19.9	39.3	28.6	7.7	5.4	4.8	30.4	3.8	5.9	3.1	8.8	6.9	6.9	11.4	7.1	5.3	6.1	8.1	7.8	0			
5.1	20.4	13.3	22	36	25.4	27.1	5.7	11.6	27.1	16.6	6.2	7.7	24.5	5.2	5.2	28.2	4.7	6.1	13.1	15.9	14.6	9.8	0		
15.8	42.3	19.4	28.1	48.3	47.3	6.7	14.5	8.2	39.3	9.5	14.3	12.8	8.9	15.7	15.7	4.4	15.5	13.7	14.2	4.7	7.7	9.7	9.8	0	
8.3	24.3	11.3	20.1	39.9	29.2	6.6	5.4	2.5	31	6.1	4.7	3.7	10.9	6.7	6.7	10.8	6.5	5.9	8.1	6.8	5.5	4.1	9.7	10.4	0



LAMPIRAN 2

Data Jarak dan Waktu Tempuh Perjalanan Km/w

Agen	Pangkalan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	5.6/13	0																					
2	9.2/20	23.3/41	0																				
3	25/51	23.5/42	3/5	0																			
4	27.2/54	27.9/58	32.2/42	32.3/41	0																		
5	25.1/52	23/45	12.5/32	12.7/32	41.5/54	0																	
6	25.3/53	19.7/43	9.7/29	9.9/29	38.7/55	2.7/10	0																
7	31.2/46	24.6/48	14.1/35	14.4/35	43.2/57	4.5/17	6.3/24	0															
8	24.1/51	24.8/53	36.3/51	36.4/49	4.7/9	47.7/63	43.3/71	48.3/70	0														
9	28.3/45	30.8/48	43.7/62	43.9/63	41.6/63	45.4/71	43/75	48.3/79	36.1/61	0													
10	25.7/41	28.2/43	41.1/57	41.3/58	39/58	41.1/67	40.4/69	45.7/73	33.5/55	2.6/6	0												
11	36.4/60	39/64	51.8/78	52/78	50.7/76	51.9/90	51.1/92	56.4/95	44.2/77	8/19	10.3/23	0											
12	27.3/47	29.8/52	27.6/63	27.3/62	18.1/31	42.7/74	42/65	42.2/75	14.9/27	27.1/46	24.7/41	29.8/55	0										
13	5.5/12	3/5	21.3/44	21.5/44	27.2/56	21.3/49	20.6/53	25.9/52	24/52	1.4/6	3.7/10	6.6/13	27.2/51	0									
14	5.4/12	3/5	20.8/41	21.1/42	26.7/53	20.2/46	20.2/49	25.5/51	23.5/49	28.3/47	26/43	36.3/62	26.1/50	1.3/5	0								
15	5.5/12	3/5	21.3/44	21.5/45	27.2/56	21.3/49	20.6/52	25.9/53	24/52	1.4/6	3.7/10	6.6/13	27.2/51	1.3/5	1.1/4	0							
16	3.1/10	6.8/19	26.3/42	26.5/42	25/53	24/48	25.6/52	31/53	21.8/47	25.4/43	23.1/38	33.4/57	23.3/45	6.3/19	4.9/14	6.3/18	0						
17	33.9/71	44.9/66	25.9/42	26/41	7.4/20	37.3/54	32.9/61	37.9/63	11.3/28	46.3/87	43.9/82	57.4/98	24.7/52	44.8/65	45.4/63	44.8/63	31.5/69	0					
18	40/77	33.5/57	14.4/32	14.5/31	14.2/30	25.8/45	21.5/53	26.5/56	18.9/37	66.7/80	54.7/72	65/92	32.3/59	33.3/54	33.9/52	33.3/53	42.4/58	8.8/19	0				
19	38.8/67	41.4/68	54.2/83	54/83	52.1/85	55.9/93	53.5/97	58.8/102	46.6/82	11.2/27	12.8/28	11.5/27	34/59	40.4/75	39/69	40.4/74	36.4/65	56.4/105	67.1/93	0			
20	32.1/68	33.7/57	9.1/32	9.2/32	27.7/41	11.6/41	10/35	14.7/47	32.4/49	58.6/76	56.2/71	66.5/90	45.3/65	34.9/52	35.5/50	34.9/50	43.9/57	20.8/37	13.3/26	68.9/90	0		
21	5.2/11	3/5	21.0/42	21.2/44	26.8/55	21/47	20.3/52	25.6/53	23.6/50	29.1/50	26.7/45	37/64	26.9/50	1.3/4	1.4/10	1.2/4	6.6/16	43.1/61	33.9/49	39.4/62	36.6/52	0	
22	27.3/54	28/57	31.6/41	31.7/39	1.8/3	43/54	38.6/61	43.6/63	4.7/9	39.6/68	37.3/62	50.7/80	18.1/32	27.8/54	28.4/53	27.8/53	24.8/50	7.4/20	15.6/21	50/81	28.3/36	28.3/35	0
23	28.2/59	25/46	3.5/10	3.7/12	32/46	8.5/33	6.8/25	11.5/40	36.7/56	48.5/70	46.2/64	56.6/83	30.8/70	24.8/45	25.4/43	24.8/43	33.9/50	25.1/43	15.9/33	58.9/82	6.4/22	6.4/22	32/39
24	23.2/48	17.7/35	5.3/20	5.5/19	36.7/47	6.2/16	4.8/18	8.4/25	41.4/58	41.2/56	38.9/49	49.2/69	39/58	17.5/31	18.1/30	17.5/30	26.5/37	29.7/41	20.6/30	51.5/70	9.9/25	9.9/25	36.7/41
25	5.6/12	3/5	20.5/40	20.8/41	26.4/52	20.6/45	19.9/49	25.2/50	23.2/48	28.6/49	26.3/43	36.6/63	26.5/48	1.2/12	2.1/3	1.5/12	5.3/13	42.7/59	33.5/47	38.9/61	26.9/51	26.9/51	26.4/48
26	22.1/47	17.6/39	6.6/20	6.3/20	20/46	13.7/34	11.8/39	16.9/39	16.8/43	41.1/63	38.8/57	49.1/77	21.9/50	17.4/37	18/37	17.4/36	26.5/42	16.2/42	18.3/39	51.5/75	14.2/40	14.2/39	20/42
27	23.2/49	17.3/40	16/46	15.8/46	13.6/29	23.2/54	21.1/60	26.4/61	10.4/26	36.9/68	34.6/62	44.9/83	15.4/31	17.1/38	17.7/37	17.1/37	20.5/44	14.7/41	20.6/45	47.2/81	22.9/61	22.9/59	13.6/30
28	7.9/18	3.6/10	5.7/15	5.8/15	36.5/48	6.6/25	5/18	9.7/32	22.7/45	27.6/52	25.3/47	35.6/65	35.2/61	18.1/37	17.1/34	18.1/39	14.6/34	58/76	48.8/63	37.9/63	44.6/70	51.4/68	36.9/69
29	5.9/14	8.4/19	24/35	24.3/36	22.7/46	25.7/42	23.4/47	28.7/48	19.5/41	23.2/36	20.8/30	31.1/50	21/39	7.4/19	6/14	7.4/17	3.4/10	46.2/56	37/45	33.5/49	39.6/49	39.6/49	22.7/44
30	35.2/50	29.1/64	11.1/34	10.3/36	30.3/47	12.2/43	10.9/36	14.8/46	35/52	52.7/85	50.3/79	60.6/99	48.4/73	29/60	38.6/57	38/57	44.8/62	23.4/41	16.5/32	63/96	3.9/11	3.9/11	30.3/39
31	27/34	20.9/44	7.7/27	8/27	39.9/58	3.6/12	3/5	6.4/22	39.9/67	44.5/63	42.1/57	52.4/76	42.3/65	20.8/37	21.3/36	20.8/37	29.8/44	33/48	23.8/36	54.8/76	9.7/24	9.7/24	35.2/45
32	31.5/42	25.4/56	10/28	10.2/30	33.4/57	7.9/25	6.6/19	10.5/28	38.1/60	49/77	46.6/70	56.9/89	46.8/79	25.3/50	25.8/49	25.3/49	32.1/55	26.5/48	19.5/38	59.3/86	7.1/17	7.2/16	33.4/45
33	2.9/8	6.2/18	26.3/41	26.5/41	25/52	28/48	25.6/53	30.9/54	21.8/46	25.4/43	23.1/38	33.4/57	23.3/46	6.7/18	5.8/14	6.7/18	1.3/5	48.4/63	39.2/51	35.8/55	41.9/55	41.9/55	25/50
34	33.5/40	27.5/48	6.7/20	8.5/21	27.8/36	10.1/40	8.5/37	13.1/46	32.5/44	51/70	48.7/65	59/84	45.9/65	27.3/45	27.9/44	27.3/44	36.3/51	20.9/35	12.2/24	61.3/85	2.3/11	2.3/11	27.8/32
35	27.9/36	20.6/49	14.6/33	14.7/33	43.7/59	2.3/11	3.7/18	4.8/15	41.7/79	45.4/65	43.1/60	53.4/79	43.2/68	21.7/40	22.3/40	21.7/39	30.7/46	33.9/50	24.7/39	55.7/79	12.9/32	12.9/32	40.8/49
36	27.8/36	21.7/46	7.6/20	7.7/21	32.5/51	6.2/22	4.5/17	9.2/31	37.3/60	45.3/67	42.9/61	53.2/80	43.1/69	21.6/41	22.1/40	21.6/40	30.6/47	25.6/43	16.5/33	55.6/79	7.1/20	7.1/19	32.5/40
37	42.7/51	36.7/62	15.8/35	17.7/35	28.8/42	14.5/49	12.9/45	17.5/57	33.6/50	60.2/82	57.9/76	68.2/96	47/70	36.5/57	37.1/56	36.5/55	45.5/62	21.9/41	15.2/31	70.6/96	4.9/15	4.9/15	28.8/39
38	27.5/36	23/45	12.5/32	12.7/32	41.5/54	5/3	3.3/16	3.8/16	41.3/75	45/65	42.7/59	53/78	42.8/67	21.3/40	21.9/39	21.3/39	30.3/45	34.6/51	24.2/39	55.3/78	12.5/32	12.5/32	40.5/49
39	24.9/34	18.9/41	3.7/9	3.4/10	32.1/42	15.1/32	10.1/40	15.7/37	17.8/50	42.4/63	40.1/57	50.4/77	26/60	18.7/38	19.3/37	18.7/36	26.1/41	25.2/40	16.2/29	52.8/77	10.7/30	10.7/29	32.1/39
40	45.4/51	39.3/60	20.2/36	20.3/34	31.8/42	17/49	15.7/43	19.6/52	36.5/51	62.8/81	60.5/75	70.8/94	49.9.69	39.1/55	39.7/55	39.1/54	48.2/61	24.9/39	17.9/30	73.2/94	7.9/21	7.9/21	31.8/37

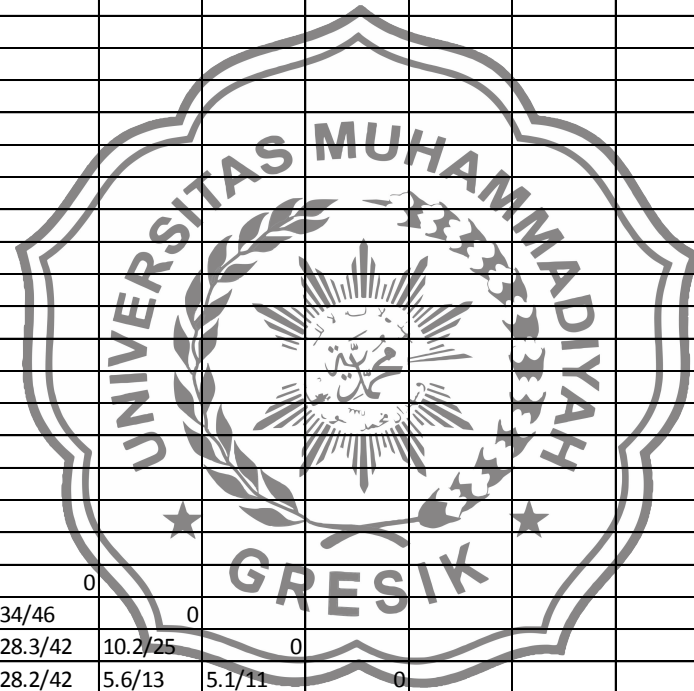
Lanjutan

41	26.1/32	18.6/41	12.7/26	12.9/27	41.7/50	5/3	3.6/15	5.5/17	40/67	43.6/60	41.3/54	51.6/74	41.5/62	19.9/35	20.5/35	19.9/34	29/41	32.2/46	23.1/35	54/74	11.2/29	11.2/28	39.1/45
42	25.8/32	19.7/41	6.4/22	6.5/23	37.7/52	4.9/19	3.2/14	10.4/32	38.8/62	43.2/62	40.9/55	51.2/75	41.1/64	19.5/37	20.1/36	36/19.5	26.2/40	27.2/46	18.1/36	53.6/75	8.6/23	8.6/22	34.1/44
43	29.8/37	20.3/42	2/9	5/7	30.7/40	16.1/32	9.3/36	16.7/38	35.5/53	47.3/64	44.9/58	55.2/78	27.4/62	23.6/40	19.9/39	23.6/39	27/43	23.8/38	14.6/27	57.6/78	9.2/25	9.2/25	30.7/37
44	36.4/51	30.3/67	12.2/36	13.2/37	33.3/45	13.3/44	12.1/39	18.5/48	36.2/53	53.9/88	51.5/81	61.8/101	49.6/74	39.1/60	39.7/60	39.1/59	46/63	24.6/43	17.6/34	64.2/98	5.2/13	5.2/13	31.5/42
45	35.6/51	29.6/64	10.9/33	11.1/36	33/52	11.9/38	10.8/32	14.7/42	37.7/58	53.1/88	50.7/81	61/102	51.1/78	29.4/62	30/62	29.4/61	38.4/68	26.1/46	19.1/37	63.4/99	6.5/17	6.5/16	33/45
46	29.9/39	24.6/48	6/18	6.1/19	30.7/44	6.9/23	5.3/19	10/31	35.5/53	47.4/70	45.1/63	55.4/84	45.3/72	23.7/45	24.3/44	23.7/44	30.6/50	23.8/39	14.7/28	57.8/83	5.3/15	5.3/15	30.7/36
47	26.7/31	20.6/35	10.1/21	10.3/21	39.2/44	5.2/13	5.4/19	5.8/18	40.5/61	44.1/58	41.8/51	52.1/71	42/60	20.4/34	21/33	20.4/33	29.5/39	32.2/42	23.1/31	54.5/73	13.8/33	13.8/32	39.2/42
48	38.9/54	42.5/67	14.8/41	23.5/41	35/46	16.4/44	15.1/38	19/48	39.7/56	66/88	63.7/82	74/102	53.1/77	42.3/62	42.9/63	42.3/62	49.2/67	28.1/46	21.1/38	76.4/102	9.6/22	9.6/22	35/44
49	30.5/42	24.8/54	8.4/26	7.8/28	33.1/54	6.7/23	5.9/17	9.4/28	37.8/61	48/74	45.7/67	56/87	45.9/76	24.3/49	25/48	24.4/48	31.2/52	26.2/48	17.5/38	58.3/86	7.7/19	7.8/19	33.1/49



Lanjutan

23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	
0																											
6.3/17	0																										
24.8/39	17.5/26	0																									
9.8/29	9.2/19	17.4/33	0																								
17.2/48	17.8/38	17.1/36	10.3/27	0																							
40.1/58	32.8/46	2.8/8	31.8/48	39.7/64	0																						
28.3/38	21.1/26	6.3/13	20.1/28	20/36	18.2/38	0																					
8.2/23	12.1/29	28.9/53	15.7/38	24.4/60	44.6/78	33.9/55	0																				
6.4/18	4.8/10	20.7/34	13.6/25	22.3/47	36.3/58	25.7/35	10.9/25	0																			
6.2/20	9.3/20	25.2/45	12.9/32	21.7/54	40.8/68	30.2/45	5.8/15	6.1/12	0																		
30.5/44	23.2/32	5.2/14	22.3/34	19.1/37	14.7/37	2.3/6	43.3/58	26/37	31.4/49	0																	
5.2/17	13.1/23	27.2/42	16.1/30	21.6/53	42.9/65	32.2/43	4.8/15	8.5/20	7.9/21	34/46	0																
9.3/25	5.7/13	21.6/37	14.5/28	23.3/49	37.3/60	26.6/37	14.4/31	3.1/8	9.1/18	28.3/42	10.2/25	0															
4.1/14	5.1/12	21.5/37	10.2/24	18.9/45	37.1/60	26.5/37	9.5/23	4.6/9	4.8/11	28.2/42	5.6/13	5.1/11	0														
9.6/27	22.3/34	36.5/53	17.3/41	33.3/62	52.1/77	41.4/54	6.4/17	13/29	10.7/26	43.2/58	7.8/22	13.5/31	10.7/24	0													
8.9/25	5.3/13	21.2/36	14.2/27	22.9/48	36.9/59	26.2/37	13.1/31	2.7/7	9.4/21	28/42	11.1/25	3.2/9	6.3/14	16/35	0												
5.3/17	7.7/18	18.7/35	4.5/14	12.5/35	34.3/58	23.7/35	13.1/34	10.5/23	11.7/29	25.4/41	9.6/21	10.2/24	7.9/19	17.4/31	10.9/23	0											
11.3/30	24.9/33	39.1/53	28/40	36.3/61	54.7/75	44.1/52	4.8/14	15.1/31	8.8/20	45.8/57	9.1/24	14.8/30	12.4/28	6.7/19	16.3/35	16.3/34	0										
7.6/20	4.1/9	19.9/33	12.8/24	21.5/44	35.5/55	24.9/33	13.6/32	3.1/7	9.1/20	26.6/38	9.7/22	3.5/9	5.1/12	14.7/32	1.2/1	1.2/1	17.6/36	0									
5.1/15	3.1/8	19.5/34	10.1/23	18.9/45	35.1/56	24.5/33	11.1/27	4.2/10	6.7/16	26.2/39	7.1/17	4.7/13	2.4/6	12.1/27	4.6/12	4.9/12	14.7/31	4.9/13	0								
3.9/13	9.3/17	20.1/37	6.3/17	14.5/39	39.1/60	28.5/37	11.7/29	12.1/22	10.1/24	30.2/42	8.2/19	12.5/24	7.1/18	16.1/30	12.5/23	12.5/23	19.8/32	12.7/24	6.8/17	0							
9.2/25	13.3/31	30.1/56	16.9/40	25.6/62	45.8/79	35.1/56	1.7/6	11.5/27	7.7/17	36.8/59	7.1/19	11.3/26	10.3/23	6.9/18	14.1/30	15.2/32	5.7/13	15.2/30	11.1/24	11.7/25	0						
8.6/25	12.5/31	29.3/56	16.1/40	24.8/61	45/78	34.3/55	5.4/14	10.2/24	5.2/12	36/59	7.3/20	10.2/23	8.7/20	9.7/24	12.7/28	12.7/27	5.9/14	12.4/25	10.3/24	12.1/26	4.6/10	0					
3.6/11	7.7/17	23.7/41	11.2/26	19.9/47	39.3/63	28.6/40	7.7/19	5.4/10	4.8/11	30.4/45	3.8/9	5.9/13	3.1/6	8.8/19	6.9/14	6.9/14	11.4/23	7.1/14	5.3/10	6.1/14	8.1/17	7.8/16	0				
14.3/23	5.1/11	20.4/31	13.3/22	22/43	36/54	25.4/32	27.1/37	5.7/12	11.6/24	27.1/36	16.6/23	6.2/14	7.7/16	24.5/34	5.2/10	5.2/10	28.2/36	4.7/11	6.1/12	13.1/17	15.9/31	14.6/29	9.8/19	0			
11.7/29	15.8/35	42.3/60	19.4/44	28.1/66	48.3/83	47.3/59	6.7/15	14.5/28	8.2/17	39.3/63	9.5/22	14.3/27	12.8/27	8.9/23	15.7/32	15.7/31	4.4/11	15.5/30	13.7/28	14.2/29	4.7/10	7.7/15	9.7/18	9.8/19	0		
5.1/18	8.3/19	24.3/44	11.3/32	20.1/53	39.9/66	29.2/44	6.6/17	5.4/13	2.5/6	31/48	6.1/16	4.7/12	3.7/9	10.9/26	6.7/16	6.7/17	10.8/22	6.5/16	5.9/14	8.1/23	6.8/15	5.5/12	4.1/10	9.7/19	10.4/19	0	



LAMPIRAN 3

Data Penghamatan Jarak (Saving Matrix)

Agen	Pangkalan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
1	5.6	0																																				
2	9.2	-8.5	0																																			
3	25	7.1	31.2	0																																		
4	27.2	4.9	4.2	19.9	0																																	
5	25.1	7.7	21.8	37.4	10.8	0																																
6	25.3	11.2	24.8	40.4	13.8	47.7	0																															
7	31.2	12.2	26.3	41.8	15.2	51.8	50.2	0																														
8	24.1	4.9	-3	12.7	46.6	1.5	6.1	7	0																													
9	28.3	3.1	-6.2	9.4	13.9	8	10.6	11.2	16.3	0																												
10	25.7	3.1	-6.2	9.4	13.9	9.7	10.6	11.2	16.3	51.4	0																											
11	36.4	3	-6.2	9.4	12.9	9.6	10.6	11.2	16.3	56.7	51.8	0																										
12	27.3	3.1	8.9	25	36.4	9.7	10.6	16.3	36.5	28.5	28.3	72.8	0																									
13	5.5	8.1	-6.6	9	5.5	9.3	10.2	10.8	5.6	32.4	27.5	33.9	54.6	0																								
14	5.4	8	-6.2	9.3	5.9	10.3	10.5	11.1	6	5.4	5.1	35.3	5.6	11	0																							
15	5.5	8.1	-6.6	9	5.5	9.3	10.2	10.8	5.6	32.4	27.5	5.5	6.6	9.6	10.8	0																						
16	3.1	1.9	-14	1.6	5.3	4.2	2.8	3.3	5.4	6	5.7	35.3	5.6	9.7	9.8	11	0																					
17	33.9	-5.4	17.2	32.9	53.7	21.7	26.3	27.2	46.7	15.9	15.7	6.1	7.1	2.3	3.6	2.3	6.2	0																				
18	40	12.1	34.8	50.5	53	39.3	43.8	44.7	45.2	1.6	11	12.9	36.5	-5.4	-6.1	-5.4	5.5	67.8	0																			
19	38.8	3	-6.2	9.8	13.9	8	10.6	11.2	16.3	55.9	51.7	11.4	35	12.2	11.5	12.2	0.7	65.1	80	0																		
20	32.1	4	32.2	47.9	31.6	45.6	47.4	48.6	23.8	1.8	1.6	63.7	32.1	3.9	5.2	3.9	5.5	16.3	11.7	77.6	0																	
21	5.2	7.8	-6.6	9	5.6	9.3	10.2	10.8	5.7	4.4	4.2	2	14.1	2.7	2	2.7	-8.7	45.2	58.8	2	64.2	0																
22	27.3	4.9	4.9	20.6	52.7	9.4	14	14.9	46.7	16	15.7	4.6	5.6	9.4	9.2	9.5	1.7	-4	41.3	4.6	0.7	10.4	0															
23	28.2	8.8	33.9	49.5	23.4	44.8	46.7	47.9	15.6	8	7.7	13	36.5	5	4.3	5	5.6	53.8	51.7	16.1	31.1	4.2	54.6	0														
24	23.2	11.1	27.1	42.7	13.7	42.1	43.7	46	5.9	10.3	10	8	24.7	8.9	8.2	8.9	-2.6	37	52.3	8.1	53.9	27	23.5	56.4	0													
25	5.6	8.2	-5.7	9.8	6.4	10.1	11	11.6	6.5	5.3	5	10.4	11.5	11.2	10.5	11.2	-0.2	27.4	42.6	10.5	45.4	18.5	13.8	45.1	46.4	0												
26	22.1	10.1	24.7	40.8	29.3	33.5	35.6	36.4	29.4	9.3	9	5.4	6.4	9.9	8.9	9.6	3.4	-3.2	12.1	5.5	10.8	-16.1	6.5	9	11.3	11.2	0											
27	23.2	11.5	16.4	32.4	36.8	25.1	27.4	28	36.9	14.6	14.3	9.4	27.5	10.2	9.5	10.2	-1.3	39.8	43.8	9.4	40	13.1	29.4	40.5	36.1	10.3	44.2	0										
28	7.9	9.9	11.4	27.1	-1.4	26.4	28.2	29.4	9.3	8.6	8.3	14.7	35.1	11.6	10.9	11.6	5.8	42.4	42.6	14.8	32.4	5.5	36.9	34.2	28.6	11.7	35	46.4	0									
29	5.9	3.1	-8.9	6.6	10.4	5.3	7.8	8.4	10.5	11	10.8	8.7	0	-4.7	-3.8	-4.7	-3.6	-16.2	-0.9	8.8	-4.6	-38.3	-1.7	-4	-1.7	10.7	-1.8	-8.6	15.8	0								
30	35.2	11.7	33.3	49.9	32.1	48.1	49.6	51.6	24.3	10.8	10.6	11.2	12.2	4	5.3	4	5.6	-6.4	8.9	11.2	-1.6	-28.5	10.5	5.8	8	5.2	7.9	9.1	-4.4	11.8	0							
31	27	11.7	28.5	44	14.3	48.5	49.3	51.8	11.2	10.8	10.6	11	14.1	11.7	2	2.7	-6.5	45.7	58.7	11	63.4	36.5	32.2	55.2	46.3	11.9	41.6	34	-1.5	7.2	70.4	0						
32	31.5	11.7	30.7	46.3	25.3	48.7	50.2	52.2	17.5	10.8	10.6	11	12	11.7	11.1	11.7	0.3	27.9	43.2	11	49.4	22.5	19.1	48.8	45.4	11.9	35.5	27.9	-1.4	7.2	51.3	54	0					
33	2.9	2.3	-14.2	1.4	5.1	0	2.6	3.2	5.2	5.8	5.5	11	12	11.7	11.1	11.7	2.5	38.9	52	11	56.5	29.5	25.4	53.5	45.4	11.9	40.7	33	-1.4	7.2	60.9	52.4	63	0				
34	33.5	11.6	36	50	32.9	48.5	50.3	51.6	25.1	10.8	10.5	5.9	6.9	1.7	2.5	1.7	4.7	-11.6	3.7	5.9	-6.9	-33.8	5.2	0.6	2.9	3.3	2.7	7	-3.9	6.5	-5.2	3.9	3	5.8	0			
35	27.9	12.9	22.5	38.2	11.4	50.7	49.5	54.3	10.3	10.8	10.5	10.9	14.9	11.7	11	11.7	0.3	46.5	61.3	11	63.3	36.4	33	56.5	43.6	11.9	39.5	35.1	-1.5	7.2	63.9	52	57.1	2.4	67	0		
36	27.8	11.7	29.4	45.1	22.5	46.7	48.6	49.8	14.6	10.8	10.6	10.9	12	11.7	11	11.7	0.3	27.9	43.2	11	47.1	20.2	14.4	46.8	45.4	11.9	35.5	27.8	-1.5	7.2	48.7	51.8	50.3	2.5	51.2	55.8		
37	42.7	11.6	36.1	50	41.1	53.3	55.1	56.4	33.2	10.8	10.5	11	12	11.7	11.1	11.7	0.3	36.1	51.3	11	52.8	25.9	22.6	51.9	45.9	11.9	39.7	32.1	-1.4	7.2	53.5	50.2	54.5	2.5	55.7	50.6		
38	27.5	10.1	24.2	39.8	13.2	47.6	49.5	54.9	10.3	10.8	10.5	10.9	23	11.7	11	11.7	0.3	54.7	67.5	10.9	69.9	43	41.2	61.3	43.6	11.8	47.5	32.6	-1.5	7.2	71.5	56.7	63.5	2.4	68.4	57.1		
39	24.9	11.6	30.4	46.5	20	34.9	40.1	40.4	31.2	10.8	10.5	10.9	12	11.7	11	11.7	0.3	26.8	43.3	11	47.1	20.2	14.3	46.8	45.4	11.9	35.4	27.8	-1.5	7.2	49.6	51.8	49.6	2.4	49.9	52.2		
40	45.4	11.7	34.4	50.1	40.8	53.5	55	57	33	10.9	10.6	10.9	26.2	11.7	11	11.7	1.9	33.6	48.7	10.9	46.3	19.4	20.1	47.8	40.4	11.8	42.5	35.6	-1.5	7.1	47	41.4	44.7	2.4	48.8	42.6		

Lanjutan

41	26.1	13.1	22.6	38.2	11.6	46.2	47.8	51.8	10.2	10.8	10.5	11	31.2	11.8	11.1	11.8	0.3	54.4	67.5	11	69.6	42.7	40.9	62.3	43.7	11.9	39.5	32.3	-1.4	7.2	75.8	57.3	68.1	2.5	69.8	58.5
42	25.8	11.7	28.6	44.3	15.3	46	47.9	46.6	11.1	10.9	10.6	10.9	11.9	11.7	11	11.7	0.2	27.8	43	10.9	47	20.1	14.3	46.7	45.2	11.8	35.4	27.8	-1.5	7.1	47.7	50	48.5	2.4	49.9	50.5
43	29.8	15.1	37	49.8	26.3	38.8	45.8	44.3	18.4	10.8	10.6	11	12	11.8	11.1	-4.7	2.7	32.5	47.7	11	49.3	22.4	19	48.9	45.9	11.9	37.8	30.1	-1.4	7.2	49.9	48.6	50.6	2.5	52.2	49
44	36.4	11.7	33.4	48.2	30.3	48.2	49.6	49.1	24.3	10.8	10.6	11	29.7	11.7	15.3	11.7	5.9	39.9	55.2	11	52.7	25.8	26.4	54.1	43.7	15.3	45.6	38.5	-1.4	7.2	53.3	44.7	51.2	2.5	55.1	45.2
45	35.6	11.6	33.9	49.5	29.8	48.8	50.1	52.1	22	10.8	10.6	11	14.1	2.8	2.1	2.8	-6.5	45.7	58.8	11	63.3	36.4	32.2	55.4	46.3	11.9	41.6	34	-1.5	7.2	69.9	51.9	60.2	2.5	62.8	53
46	29.9	10.9	33.1	48.8	26.4	48.1	49.9	51.1	18.5	10.8	10.5	11	11.8	11.7	11	11.7	0.3	43.4	56.5	11	61.2	34.3	29.9	55.2	46.3	11.9	41.6	34	-1.5	7.2	65.4	52.4	61.9	2.5	61.8	53.3
47	26.7	11.7	25.8	41.4	14.7	46.6	46.6	52.1	10.3	10.9	10.6	10.9	11.9	11.7	11	11.7	2.4	40	55.2	10.9	56.7	29.8	26.5	54.5	45.4	11.8	40.8	33.2	-1.5	7.2	57.4	51.5	56.6	2.4	59.6	51.9
48	38.9	2	33.3	40.4	31.1	47.6	49.1	51.1	23.3	1.2	0.9	11	12	11.8	11.1	11.8	0.3	28.4	43.6	11	45	18.1	14.8	40.6	44.8	11.9	35.5	27.9	-1.4	7.2	34.8	48	46.6	2.5	43.6	48.4
49	30.5	11.3	31.3	47.7	24.6	48.9	49.9	52.3	16.8	10.8	10.5	1.3	13.1	2.1	1.4	2.1	-7.2	44.7	57.8	1.3	61.4	34.5	31.2	55.4	46.3	2.2	41.6	34	-1.5	-2.5	67.4	51.4	62.2	2.5	62.9	52.5



LAMPIRAN 4

Data Pengolahan Nearest Neighbour

Nearest Neighbour rute 1					
	0	32	40	41	0
32	31,5	0	9,1	6,7	31,5
40	45,4	9,1	0	17,6	45,4
41	26,1	6,7	17,6	0	26,1

Nearest Neighbour rute 2					
	0	20	37	38	0
20	32,1	0	4,9	12,5	32,1
37	42,7	4,9	0	16	42,7
38	27,5	12,5	16	0	27,5

Nearest Neighbour rute 3					
	0	18	19	26	0
18	40	0	67,7	18,3	40
19	38,8	67,1	0	51,5	38,8
26	22,1	18,3	51,5	0	22,1

Nearest Neighbour rute 4					
	★ 0	11	12	★ 13	0
11	36,4	0	29,8	6,6	36,4
12	27,3	29,8	0	27,2	27,3
13	5,5	6,6	27,2	0	5,5

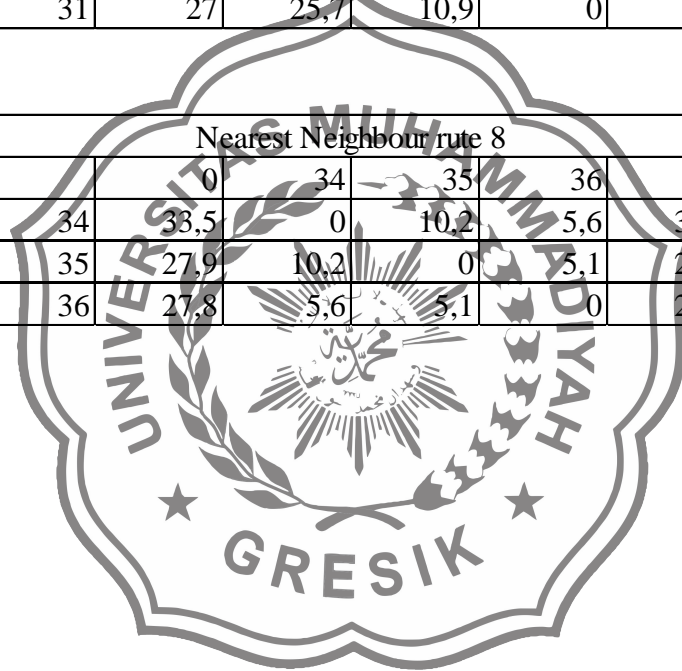
Nearest Neighbour rute 5					
	0	25	43	44	45
25	5,6	0	20,1	29,3	29,3
43	29,8	20,1	0	11,7	12,1
44	36,4	30,1	11,7	0	4,6
45	35,6	29,3	12,1	4,6	0

Lanjutan

Nearest Neighbour rute 6					
	0	8	22	23	0
8	24,1	0	4,7	36,7	24,1
22	27,3	4,7	0	32	27,3
23	28,2	36,7	32	0	28,2

Nearest Neighbour rute 7					
	0	29	30	31	0
29	5,9	0	33,9	25,7	5,9
30	35,2	33,9	0	10,9	35,2
31	27	25,7	10,9	0	27

Nearest Neighbour rute 8					
	0	34	35	36	0
34	33,5	0	10,2	5,6	33,5
35	27,9	10,2	0	5,1	27,9
36	27,8	5,6	5,1	0	27,8

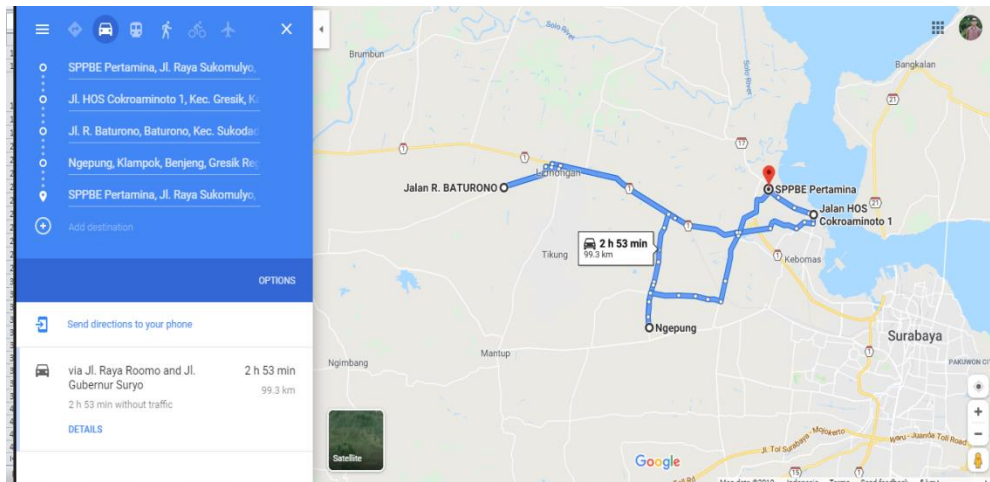


LAMPIRAN 5

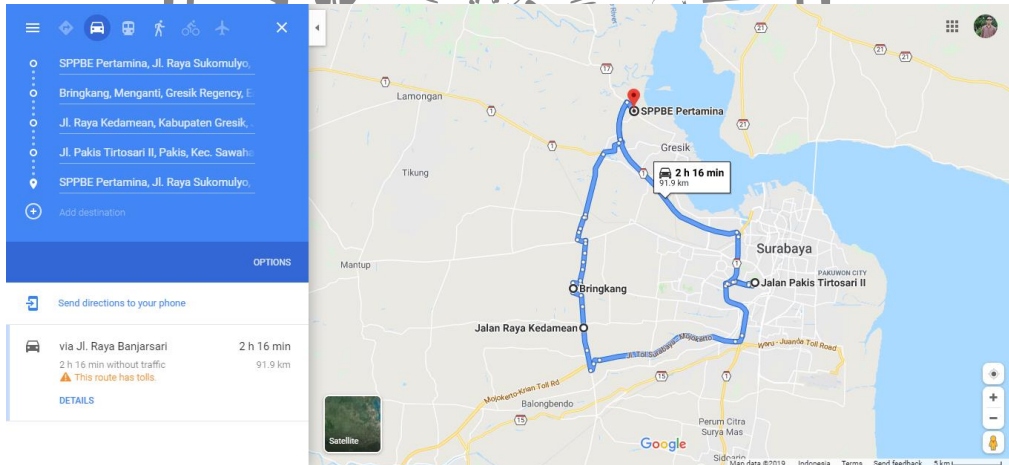
Rute Gambar Berdasarkan Google Map

Hari Senin

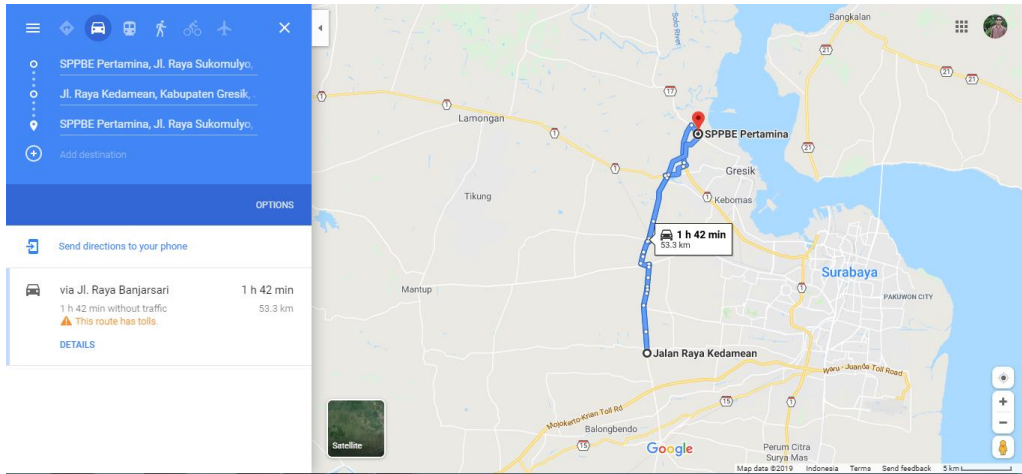
Rute 1



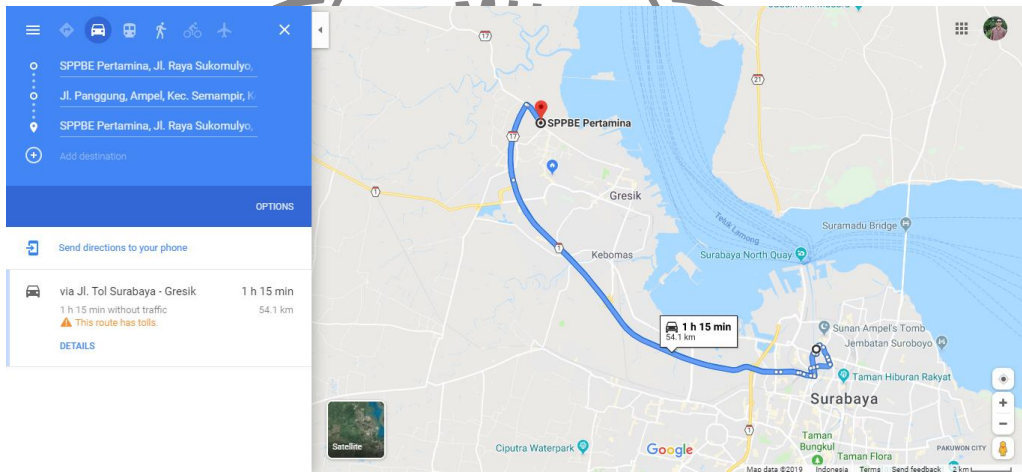
Rute 2



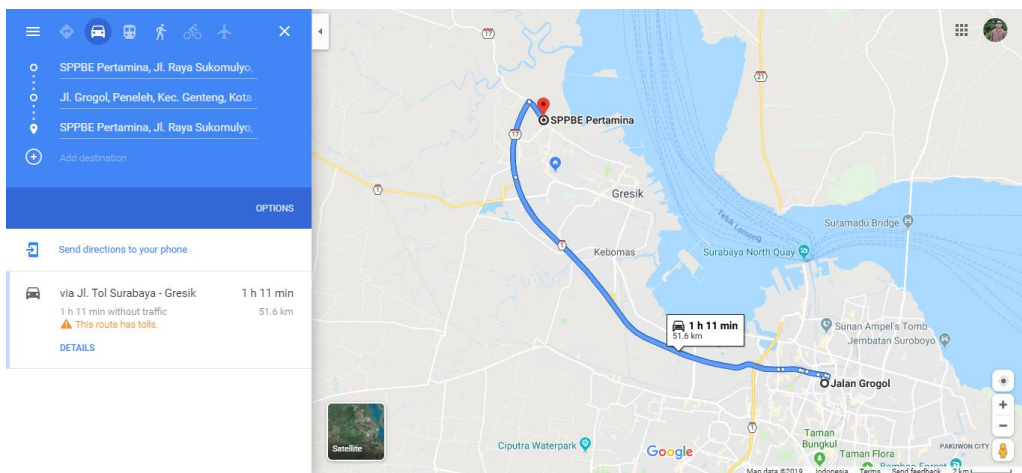
Rute 3



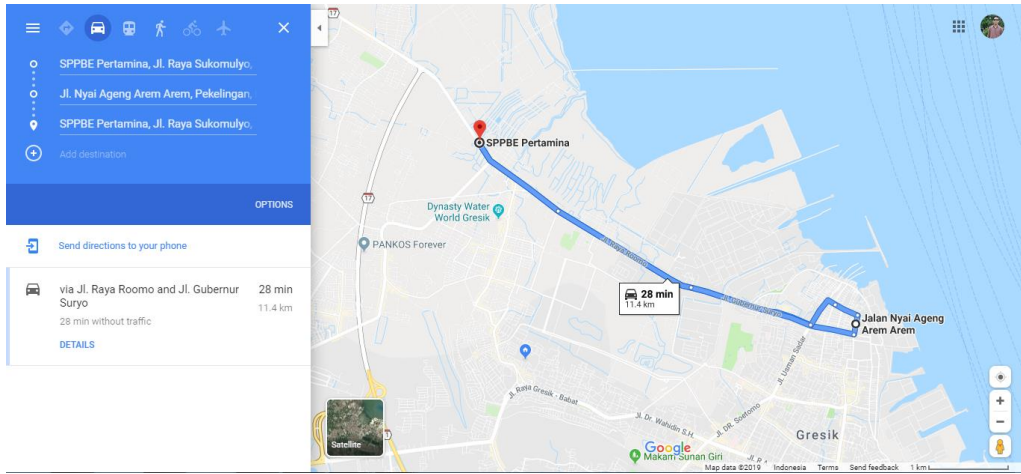
Rute 4



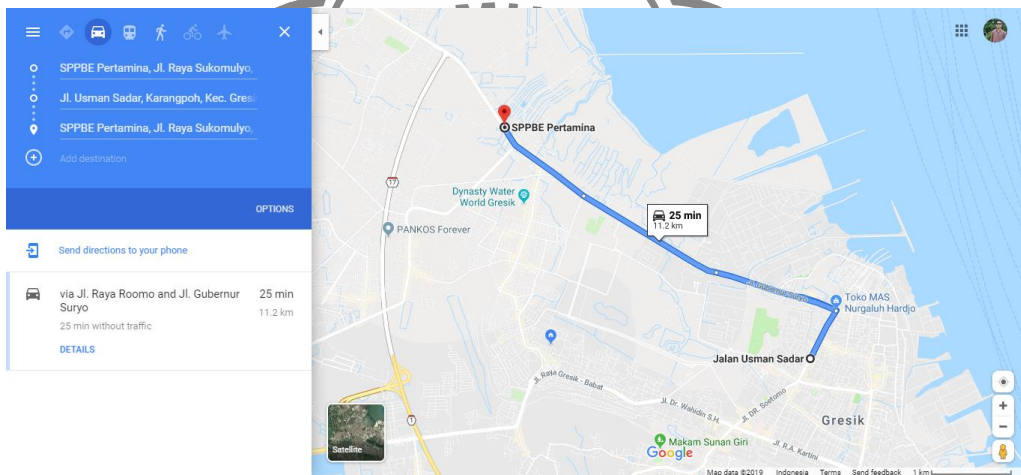
Rute 5



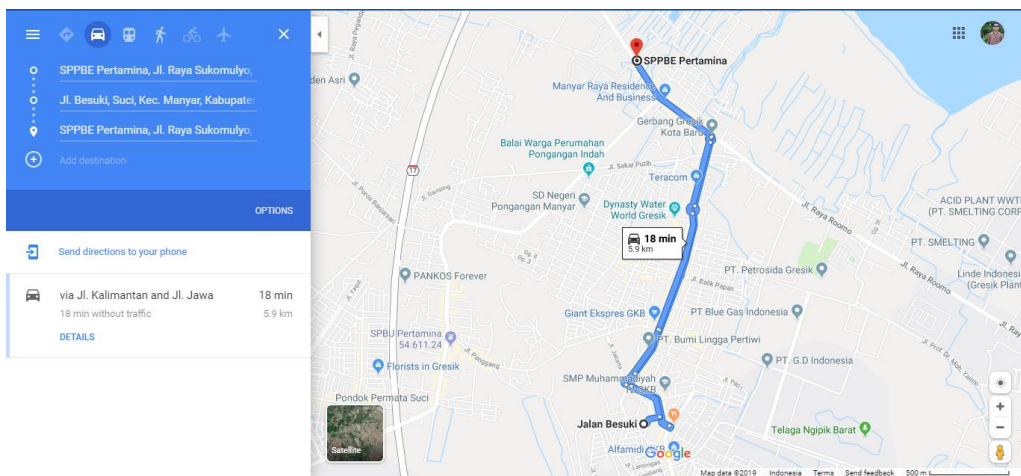
Rute 6



Rute 7

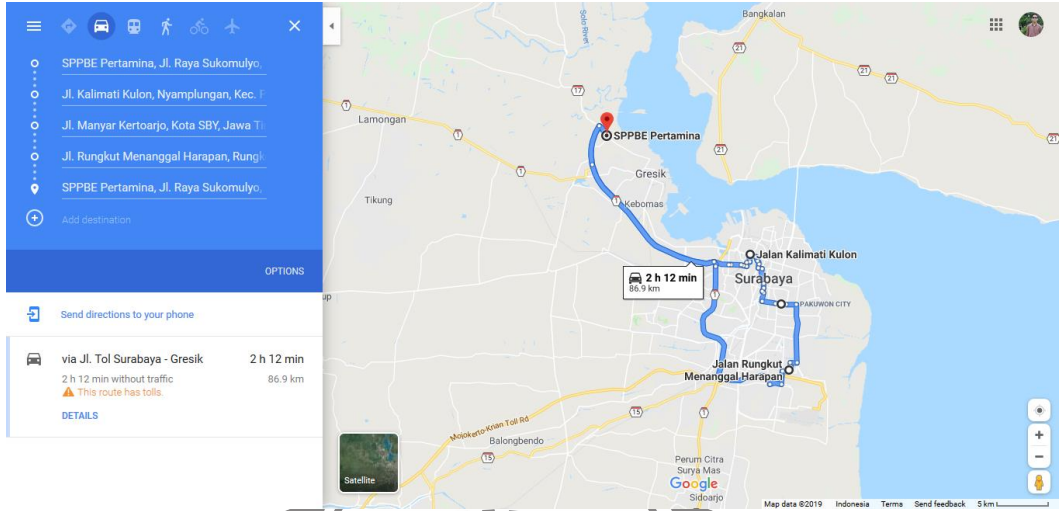


Rute 8

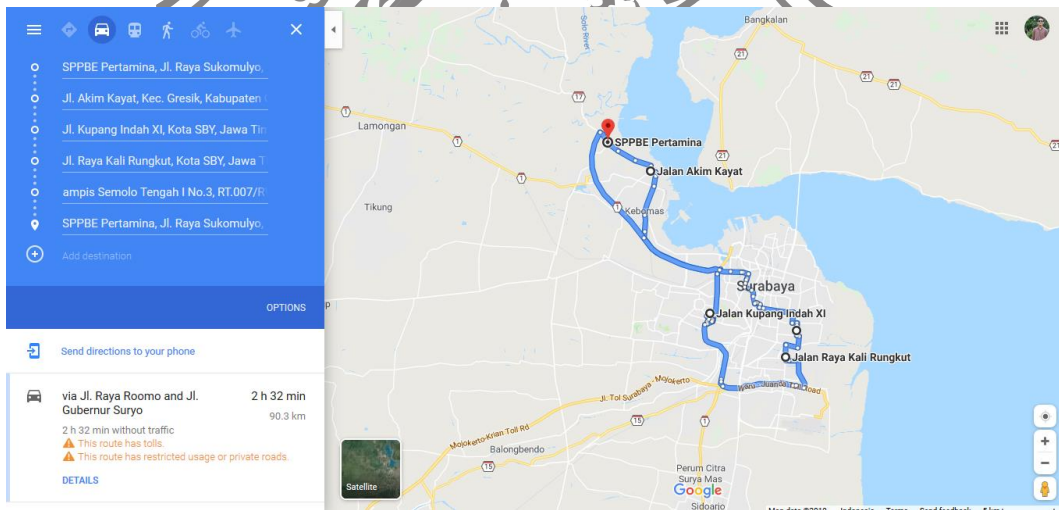


Hari Selasa

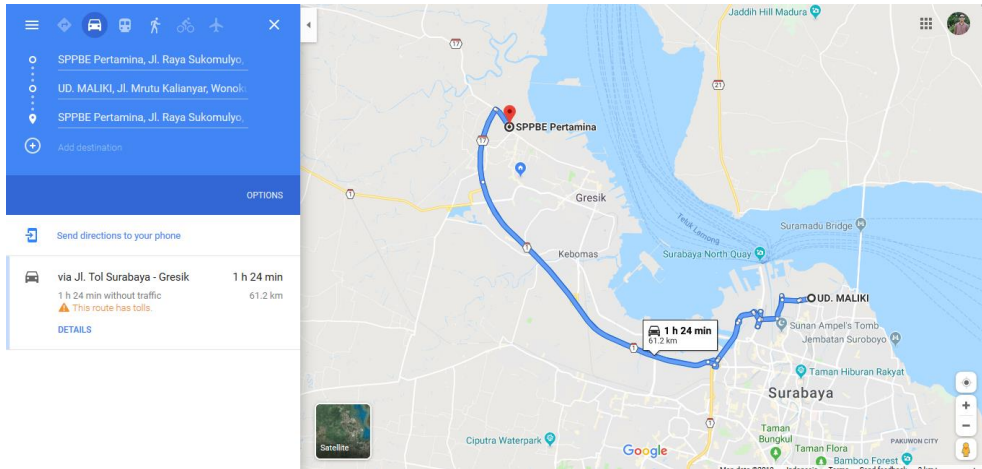
Rute 1



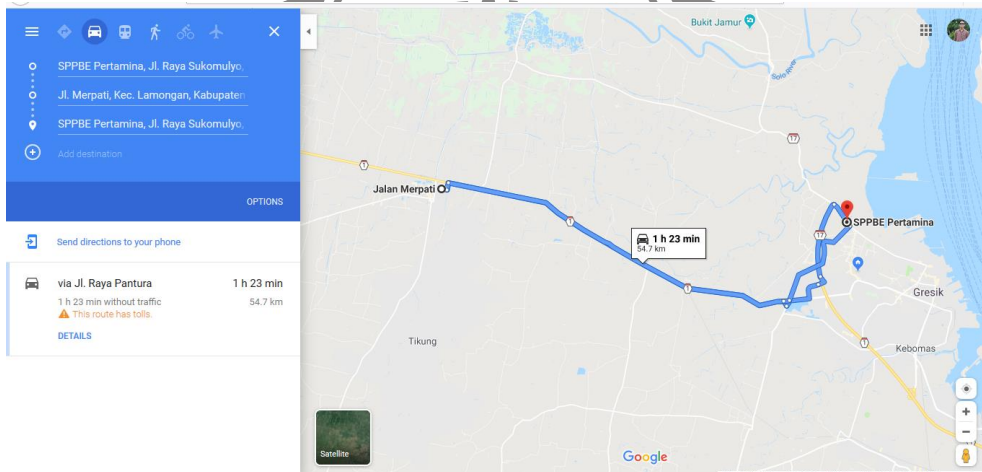
Rute 2



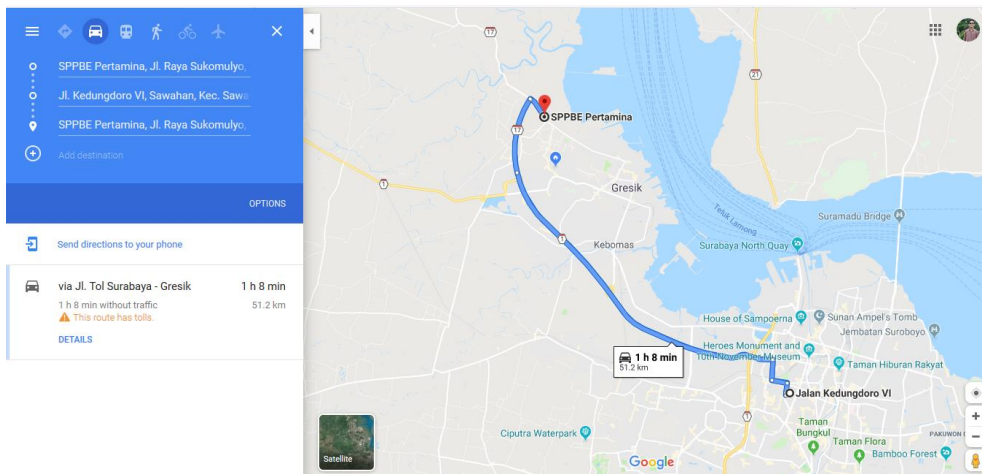
Rute 3



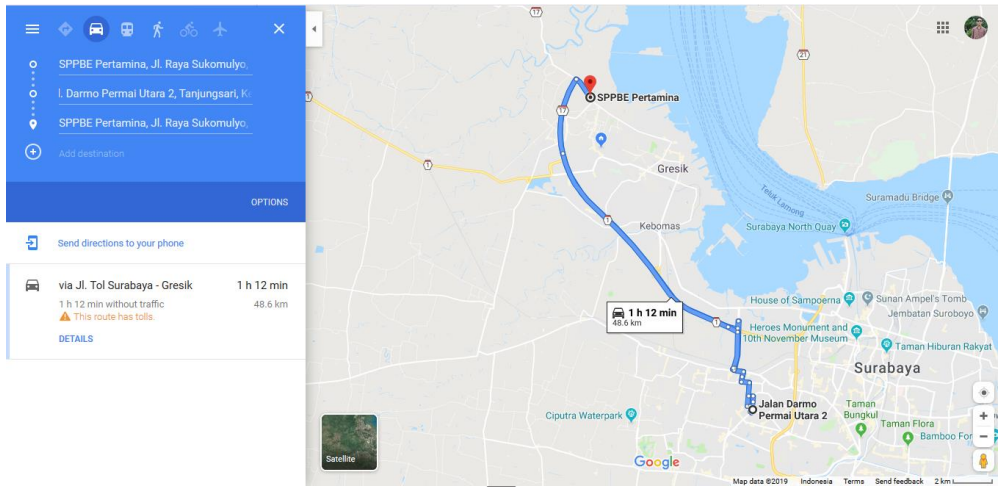
Rute 4



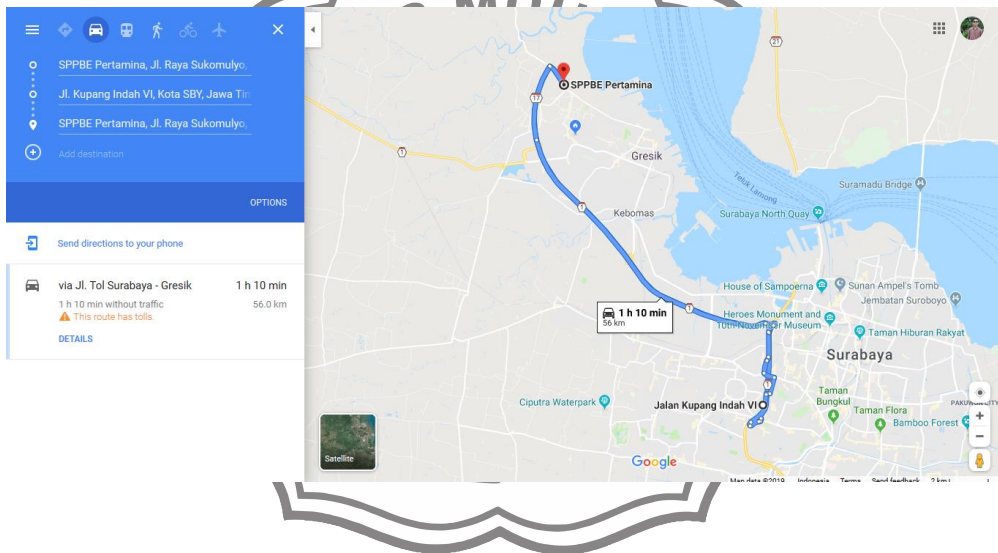
Rute 5



Rute 6

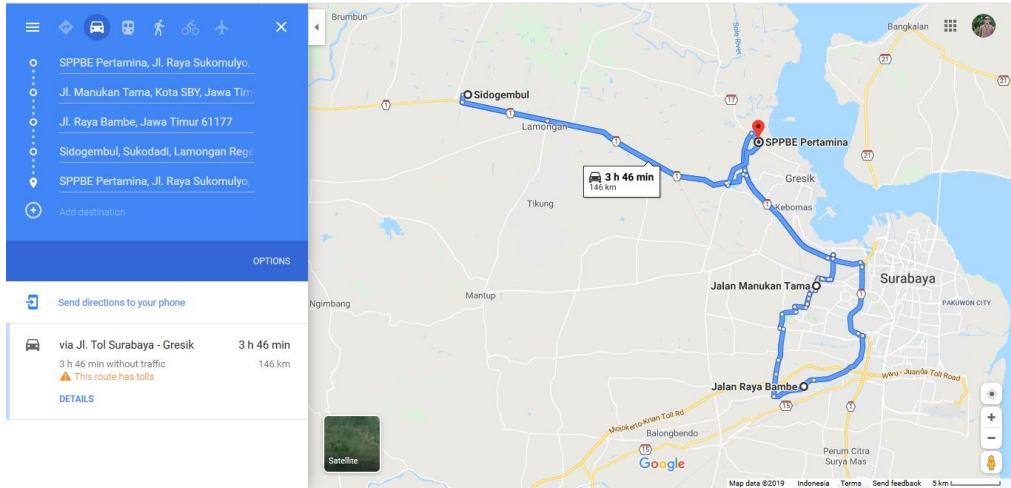


Rute 7

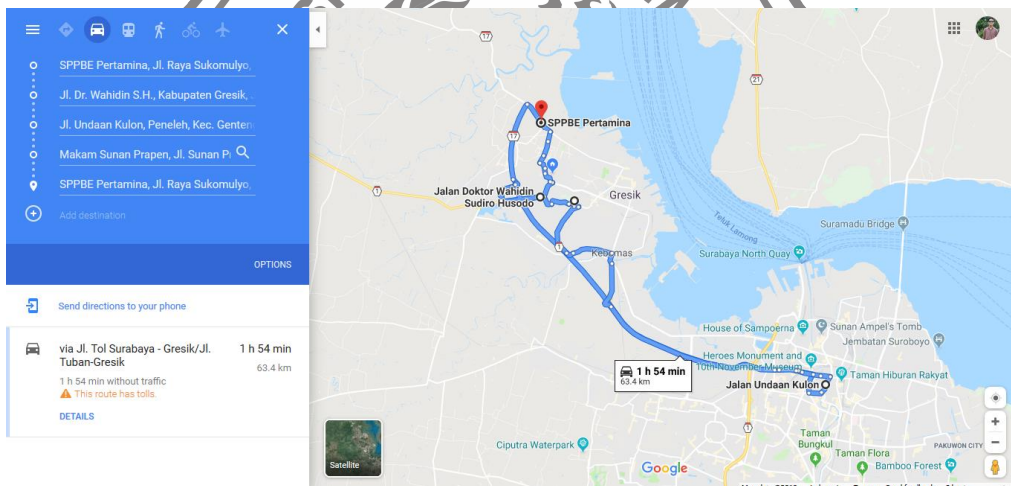


Hari Rabu

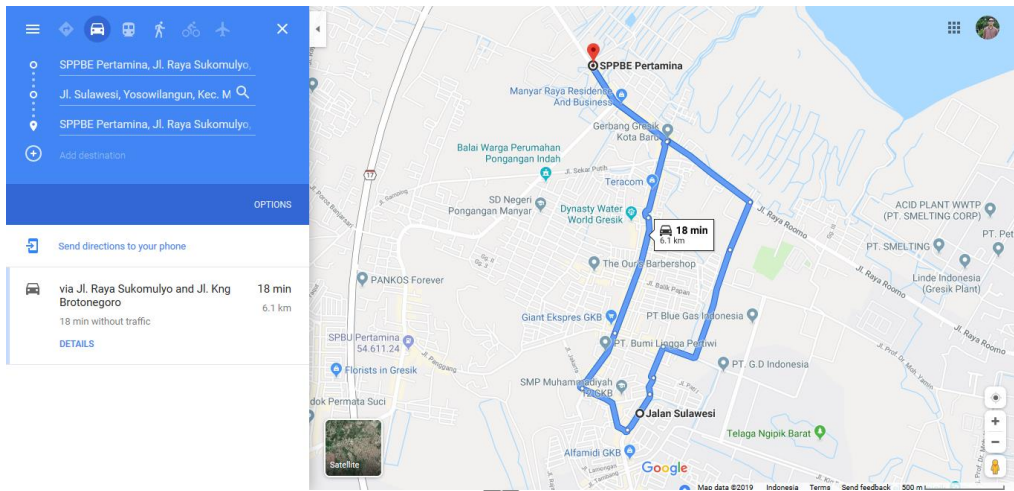
Rute 1



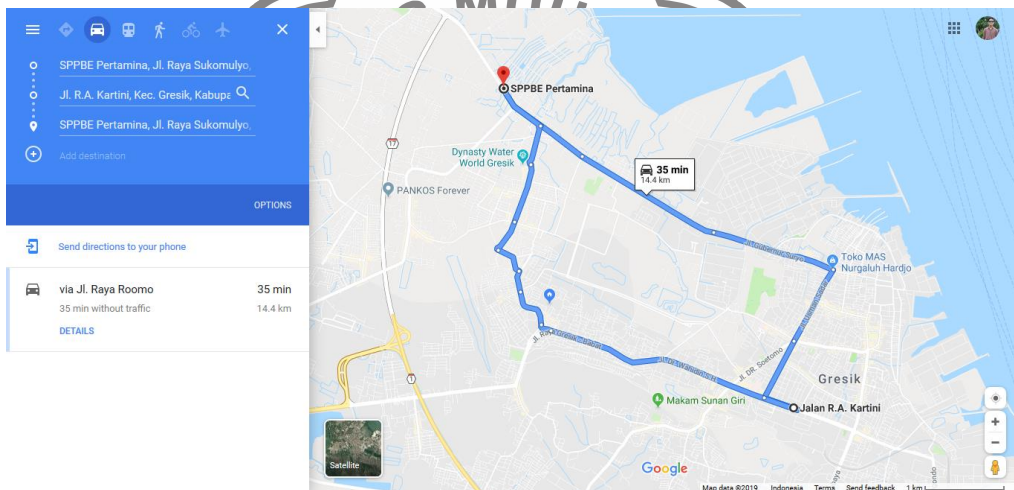
Rute 2



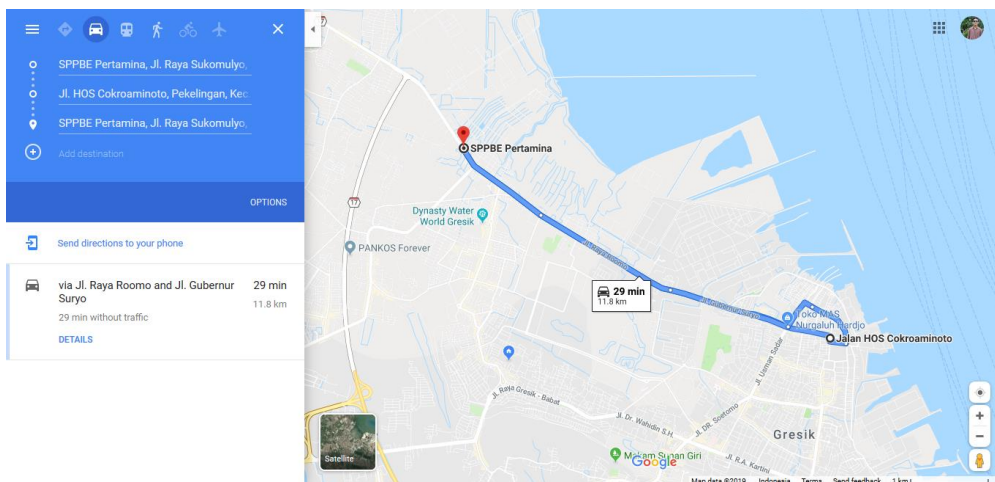
Rute 3



Rute 4

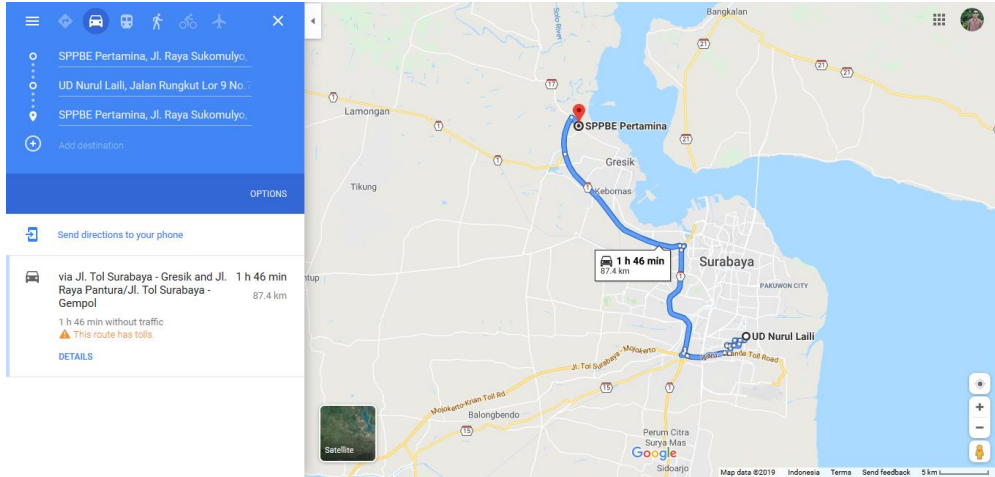


Rute 5

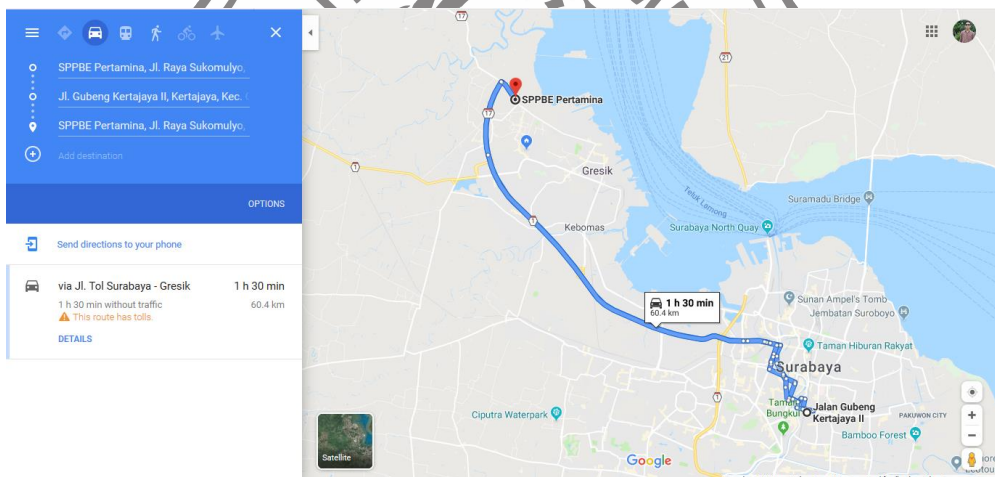


Hari Kamis

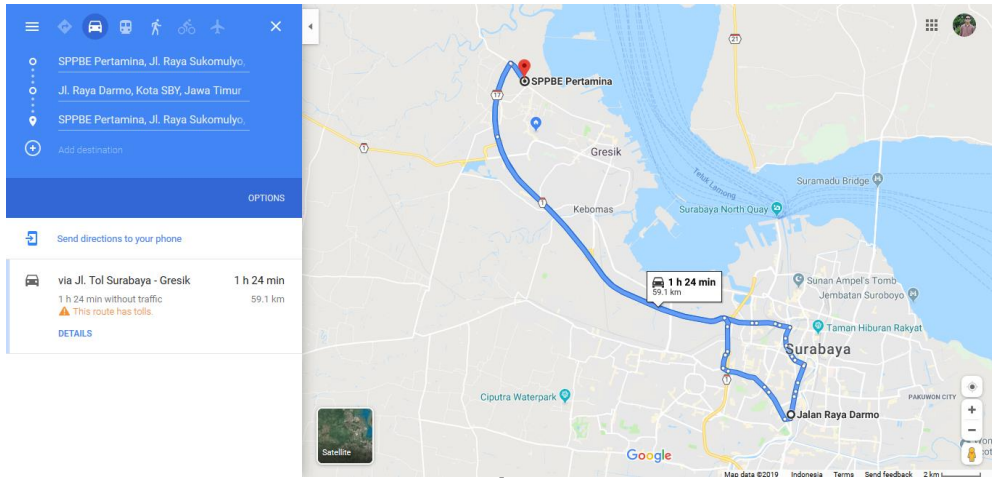
Rute 1



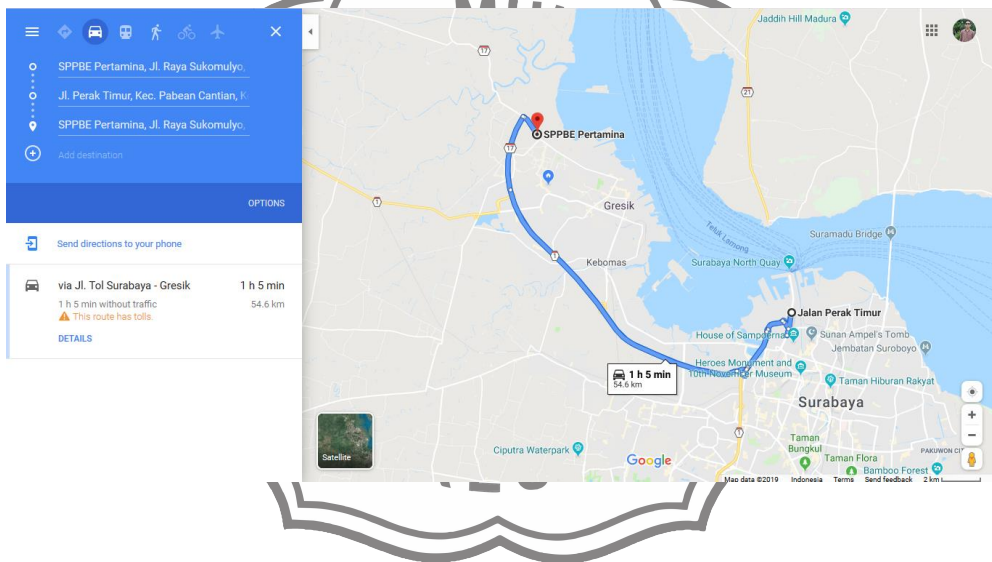
Rute 2



Rute 3

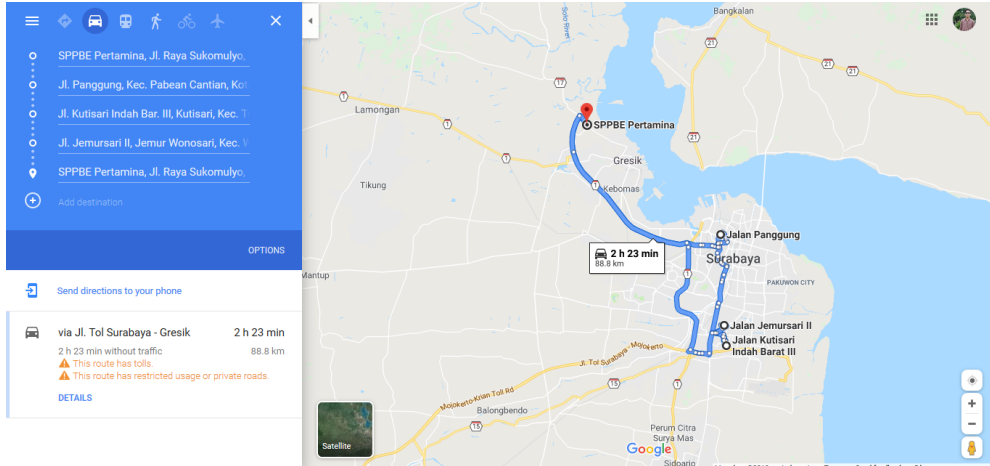


Rute 4

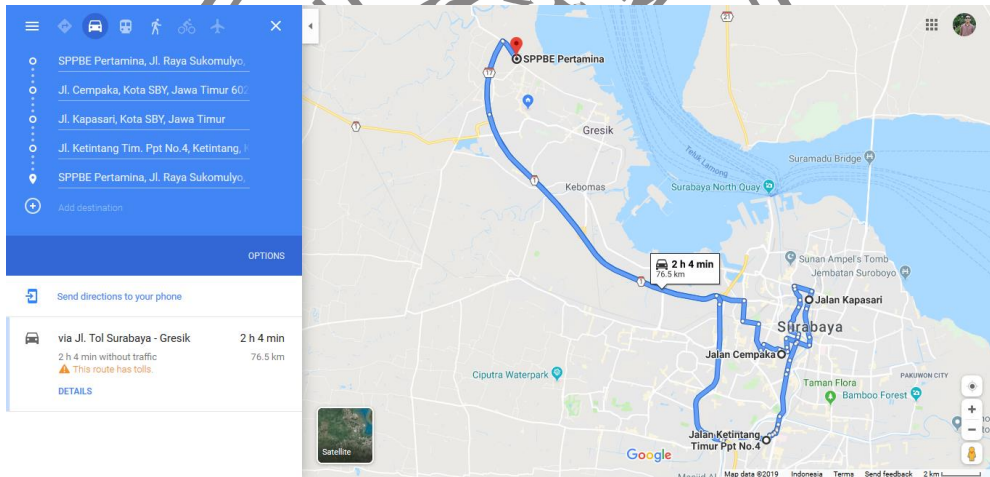


Hari Jumat

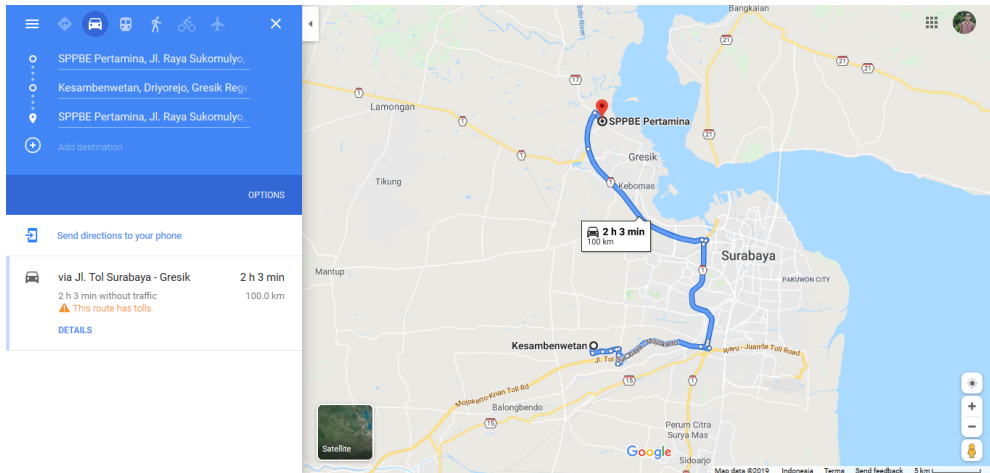
Rute 1



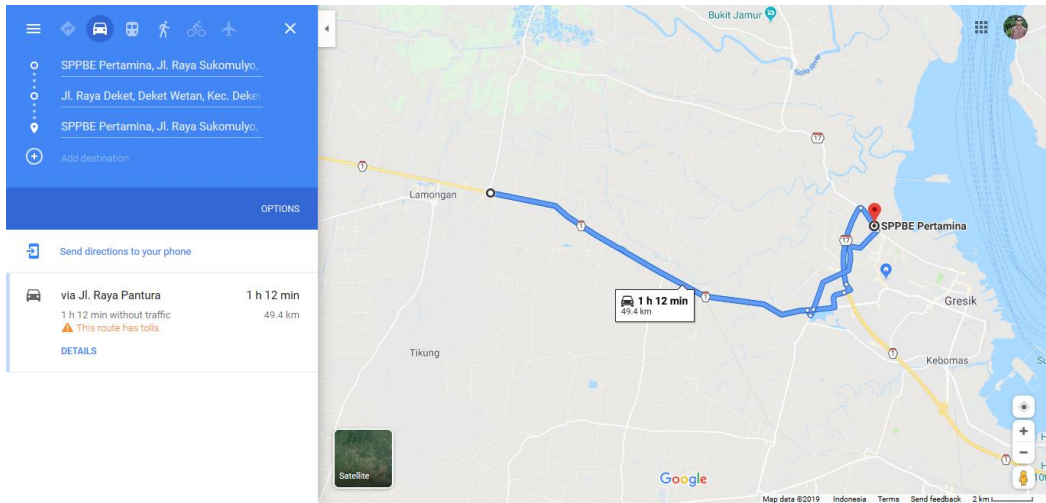
Rute 2



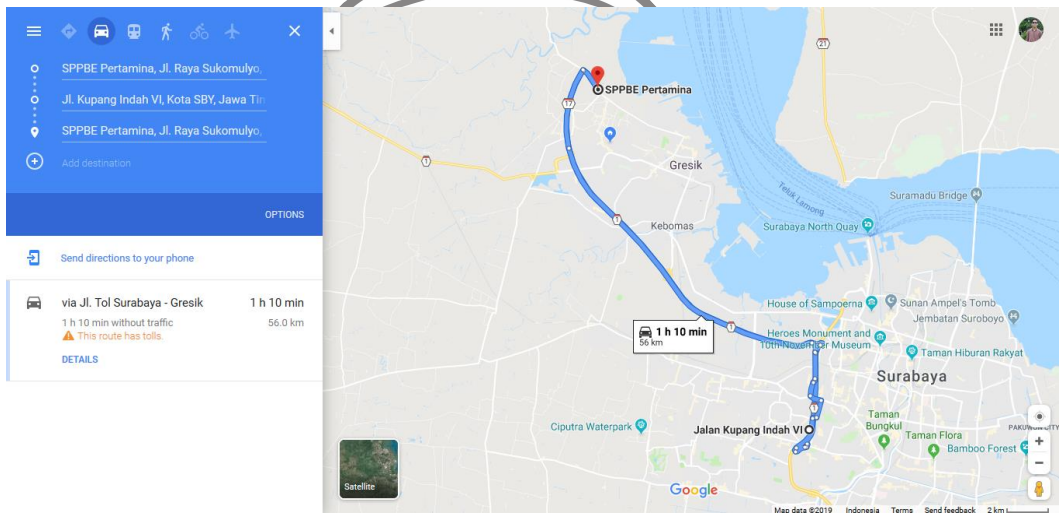
Rute 3



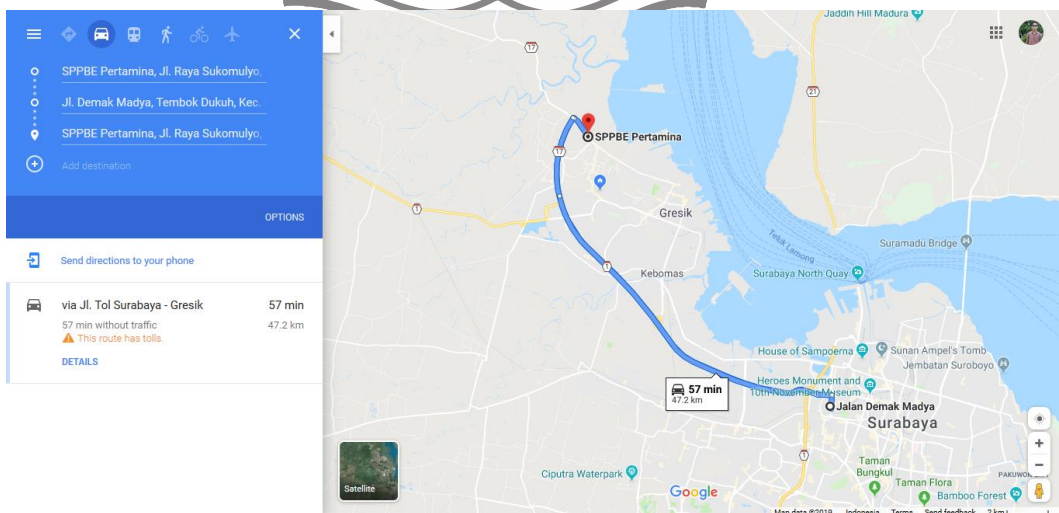
Rute 4



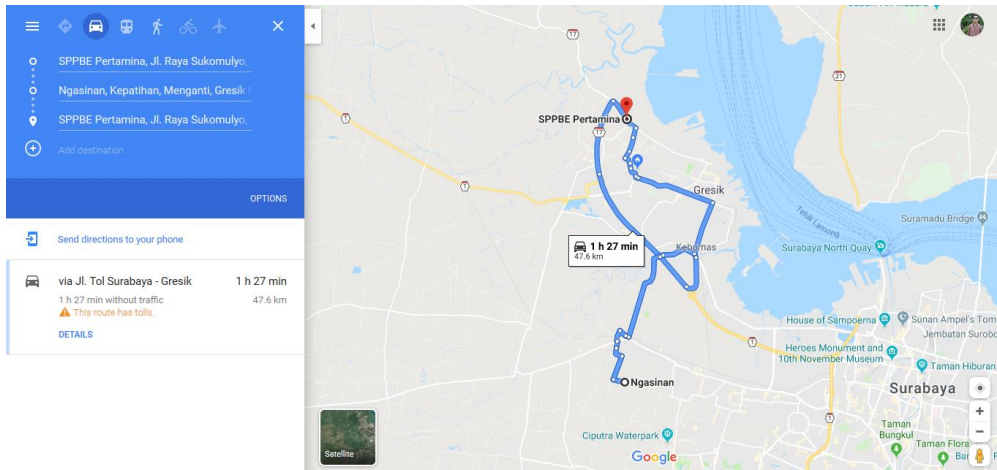
Rute 5



Rute 6



Rute 7



Rute 8

