

# LAMPIRAN I

## Data Volume Kendaraan

Hari Selasa Jalan Karang Asem													
Tanggal : 21 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	32	87	42	0	8	2	61	234	187	0	0	0	
06.15-06.30	26	65	53	1	4	1	56	189	142	0	1	0	
06.30-06.45	18	82	57	0	5	5	51	176	154	0	0	0	
06.45-07.00	19	54	43	1	7	1	55	213	176	0	0	0	
Total	95	288	195	2	24	9	223	812	659	0	1	0	2308
06.15-06.30	26	65	53	1	4	1	56	189	142	0	1	0	
06.30-06.45	18	82	57	0	5	5	51	176	154	0	0	0	
06.45-07.00	19	54	43	1	7	1	55	213	176	0	0	0	
07.00-07.15	35	65	45	0	12	4	89	269	196	1	1	0	
Total	98	266	198	2	28	11	251	847	668	1	2	0	2372
06.30-06.45	18	82	57	0	5	5	51	176	154	0	0	0	
06.45-07.00	19	54	43	1	7	1	55	213	176	0	0	0	
07.00-07.15	35	65	45	0	12	4	89	269	196	1	1	0	
07.15-07.30	32	56	44	2	10	8	95	276	185	0	0	0	
Total	104	257	189	3	34	18	290	934	711	1	1	0	2542
06.45-07.00	19	54	43	1	7	1	55	213	176	0	0	0	
07.00-07.15	35	65	45	0	12	4	89	231	156	1	1	0	
07.15-07.30	32	56	44	2	10	8	95	276	185	0	0	0	
07.30-07.45	24	45	35	0	5	10	87	274	190	0	0	0	
Total	110	220	167	3	34	23	326	994	707	1	1	0	2586
07.00-07.15	35	65	45	0	12	4	89	269	196	1	1	0	
07.15-07.30	32	56	44	2	10	8	95	276	185	0	0	0	
07.30-07.45	24	45	35	0	5	10	87	274	190	0	0	0	
07.45-08.00	27	61	42	1	10	14	78	286	213	1	2	0	
Total	118	227	166	3	37	36	349	1105	784	2	3	0	2830
07.15-07.30	32	56	44	2	10	8	95	276	185	0	0	0	
07.30-07.45	24	45	35	0	5	10	87	274	190	0	0	0	
07.45-08.00	27	61	42	1	10	14	78	286	213	1	2	0	
07.45-08.00	27	61	42	1	10	14	78	286	213	1	2	0	
08.00-08.15	31	67	51	1	11	7	71	245	154	0	0	0	
Total	114	229	172	4	36	39	331	1081	742	1	2	0	2751
07.30-07.45	24	45	35	0	5	10	87	274	190	0	0	0	
07.45-08.00	27	61	42	1	10	14	78	286	213	1	2	0	
08.00-08.15	31	67	51	1	11	7	71	245	154	0	0	0	
08.15-08.30	19	72	42	1	13	5	67	176	165	0	1	0	
Total	101	245	170	3	39	36	303	981	722	1	3	0	2604
07.45-08.00	27	61	42	1	10	14	78	286	213	1	2	0	
08.00-08.15	31	67	51	1	11	7	71	245	154	0	0	0	
08.15-08.30	19	72	42	1	13	5	67	176	165	0	1	0	
08.30-08.45	21	75	54	0	10	9	61	214	152	0	0	0	
Total	98	275	189	3	44	35	277	921	684	1	3	0	2530
08.00-08.15	31	67	51	1	11	7	71	245	154	0	0	0	
08.15-08.30	19	72	42	1	13	5	67	176	165	0	1	0	
08.30-08.45	21	75	54	0	10	9	61	214	152	0	0	0	
08.45-09.00	18	81	48	0	9	11	82	215	143	0	0	0	
Total	89	295	195	2	43	32	281	850	614	0	1	0	2402

11.00-11.15	23	41	25	0	4	1	56	243	156	1	0	0	
11.15-11.30	21	58	37	2	3	2	47	231	133	0	0	0	
11.30-11.45	19	32	35	2	5	1	43	211	145	0	0	0	
11.45-12.00	25	32	27	0	9	0	62	280	135	0	0	0	
Total	88	163	124	4	21	4	208	965	569	1	0	0	2147
11.15-11.30	21	58	37	2	3	2	47	231	133	0	0	0	
11.30-11.45	19	32	35	2	5	1	43	211	145	0	0	0	
11.45-12.00	25	32	27	0	9	0	62	280	135	0	0	0	
12.00-12.15	32	68	56	0	6	4	67	221	154	0	0	0	
Total	97	190	155	4	23	7	219	943	567	0	0	0	2205
11.30-11.45	19	32	35	2	5	1	43	211	145	0	0	0	
11.45-12.00	25	32	27	0	9	0	62	280	135	0	0	0	
12.00-12.15	32	68	56	0	6	4	67	221	154	0	0	0	
12.15-12.30	28	72	49	0	6	3	63	213	163	0	1	0	
Total	104	204	167	2	26	8	235	925	597	0	1	0	2269
11.45-12.00	25	32	27	0	9	0	62	280	135	0	0	0	
12.00-12.15	32	68	56	0	6	4	67	221	154	0	0	0	
12.15-12.30	28	72	49	0	6	3	63	213	163	0	1	0	
12.30-12.45	29	71	41	2	7	0	57	211	132	0	0	0	
Total	114	243	173	2	28	7	249	925	584	0	1	0	2326
12.00-12.15	32	68	56	0	6	4	67	221	154	0	0	0	
12.15-12.30	28	72	49	0	6	3	63	213	163	0	1	0	
12.30-12.45	29	71	41	2	7	0	57	211	132	0	0	0	
12.45-13.00	31	61	48	0	8	0	69	235	143	0	0	0	
Total	120	272	194	2	27	7	256	880	592	0	1	0	2351
12.15-12.30	28	72	49	0	6	3	63	213	163	0	1	0	
12.30-12.45	29	71	41	2	7	0	57	211	132	0	0	0	
12.45-13.00	31	61	48	0	8	0	69	235	143	0	0	0	
13.00-13.15	26	57	51	1	5	2	45	211	164	0	0	0	
Total	114	261	189	3	26	5	234	870	602	0	1	0	2305
12.30-12.45	29	71	41	2	7	0	57	211	132	0	0	0	
12.45-13.00	31	61	48	0	8	0	69	235	143	0	0	0	
13.00-13.15	26	57	51	1	5	2	45	211	164	0	0	0	
13.15-13.30	21	68	43	2	7	4	54	199	154	0	0	0	
Total	107	257	183	5	27	6	225	856	593	0	0	0	2259
12.45-13.00	31	61	48	0	8	0	69	235	143	0	0	0	
13.00-13.15	26	57	51	1	5	2	45	211	164	0	0	0	
13.15-13.30	21	68	43	2	7	4	54	199	154	0	0	0	
13.30-13.45	26	46	52	0	7	1	48	186	176	0	0	0	
Total	104	232	194	3	27	7	216	831	637	0	0	0	2251
13.00-13.15	26	57	51	1	5	2	45	211	164	0	0	0	
13.15-13.30	21	68	43	2	7	4	54	199	154	0	0	0	
13.30-13.45	26	46	52	0	7	1	48	186	176	0	0	0	
13.45-14.00	31	59	41	0	6	0	51	221	165	0	0	0	
Total	104	230	187	3	25	7	198	817	659	0	0	0	2230

15.00-15.15	16	123	117	2	8	4	68	345	276	0	0	0	
15.15-15.30	18	97	112	1	5	2	63	344	247	0	0	0	
15.30-15.45	15	113	97	1	4	1	58	328	264	0	0	0	
15.45-16.00	20	89	105	0	9	4	65	298	351	0	0	0	
Total	69	422	431	4	26	11	254	1315	1138	0	0	0	3670
15.15-15.30	18	97	112	1	5	2	63	344	247	0	0	0	
15.30-15.45	15	113	97	1	4	1	58	328	264	0	0	0	
15.45-16.00	20	89	105	0	9	4	65	298	351	0	0	0	
16.00-16.15	21	147	87	3	7	5	92	321	287	0	1	0	
Total	74	446	401	5	25	12	278	1291	1149	0	1	0	3682
15.30-15.45	15	113	97	1	4	1	58	328	264	0	0	0	
15.45-16.00	20	89	105	0	9	4	65	298	351	0	0	0	
16.00-16.15	21	147	87	3	7	5	92	321	287	0	1	0	
16.15-16.30	24	126	76	1	13	3	89	354	284	0	0	0	
Total	80	475	365	5	33	13	304	1301	1186	0	1	0	3763
15.45-16.00	20	89	105	0	9	4	65	298	351	0	0	0	
16.00-16.15	21	147	87	3	7	5	92	321	287	0	1	0	
16.15-16.30	24	126	76	1	13	3	89	354	284	0	0	0	
16.30-16.45	16	150	77	2	2	2	97	325	267	1	3	0	
Total	81	512	345	6	31	14	343	1298	1189	1	4	0	3824
16.00-16.15	21	147	87	3	7	5	92	321	287	0	1	0	
16.15-16.30	24	126	76	1	13	3	89	354	284	0	0	0	
16.30-16.45	16	150	77	2	2	2	97	325	267	1	3	0	
16.45-17.00	16	86	81	0	12	5	75	367	276	0	0	0	
Total	77	509	321	6	34	15	353	1367	1114	1	4	0	3801
16.15-16.30	24	126	76	1	13	3	89	354	284	0	0	0	
16.30-16.45	16	150	77	2	2	2	97	325	267	1	3	0	
16.45-17.00	16	86	81	0	12	5	75	367	276	0	0	0	
17.00-17.15	21	121	87	2	15	2	97	378	264	0	0	0	
Total	77	483	321	5	42	12	358	1424	1091	1	3	0	3817
16.30-16.45	16	150	77	2	2	2	97	325	267	1	3	0	
16.45-17.00	16	86	81	0	12	5	75	367	276	0	0	0	
17.00-17.15	21	121	87	2	15	2	97	378	264	0	0	0	
17.15-17.30	27	129	98	1	17	3	89	356	212	0	0	0	
Total	80	486	343	5	46	12	358	1426	1019	1	3	0	3779
16.45-17.00	16	86	81	0	12	5	75	367	276	0	0	0	
17.00-17.15	21	121	87	2	15	2	97	378	264	0	0	0	
17.15-17.30	27	129	98	1	17	3	89	356	212	0	0	0	
17.30-17.45	30	141	76	4	15	5	78	394	245	0	2	0	
Total	94	477	342	7	59	15	339	1495	997	0	2	0	3827
17.00-17.15	21	121	87	2	15	2	97	378	264	0	0	0	
17.15-17.30	27	129	98	1	17	3	89	356	212	0	0	0	
17.30-17.45	30	141	76	4	15	5	78	394	245	0	2	0	
17.45-18.00	29	136	86	5	10	4	84	417	267	0	1	0	
Total	107	527	347	12	57	14	348	1545	988	0	3	0	3948

Hari Selasa Jalan Kenjeran (Barat)													
Tanggal : 21 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	16	35	5	3	7	2	89	234	64	0	0	0	
06.15-06.30	21	31	4	4	8	2	75	214	41	0	0	0	
06.30-06.45	18	31	8	2	9	4	63	298	54	1	0	0	
06.45-07.00	18	26	7	5	5	4	61	287	51	1	0	0	
Total	73	123	24	14	29	12	288	1033	210	2	0	0	1808
06.15-06.30	21	31	4	4	8	2	75	214	41	0	0	0	
06.30-06.45	18	31	8	2	9	4	63	298	54	1	0	0	
06.45-07.00	18	26	7	5	5	4	61	287	51	1	0	0	
07.00-07.15	25	34	7	5	11	4	96	234	67	1	0	0	
Total	82	122	26	16	33	14	295	1033	213	3	0	0	1837
06.30-06.45	18	31	8	2	9	4	63	298	54	1	0	0	
06.45-07.00	18	26	7	5	5	4	61	287	51	1	0	0	
07.00-07.15	25	34	7	5	11	4	96	234	67	1	0	0	
07.15-07.30	32	24	11	8	8	1	86	243	56	1	0	0	
Total	93	115	33	20	33	13	306	1062	228	4	0	0	1907
06.45-07.00	18	26	7	5	5	4	61	287	51	1	0	0	
07.00-07.15	25	34	7	5	11	4	96	234	67	1	0	0	
07.15-07.30	32	24	11	8	8	1	86	243	56	1	0	0	
07.30-07.45	36	36	12	9	12	3	81	244	64	0	0	0	
Total	111	120	37	27	36	12	324	1008	238	3	0	0	1916
07.00-07.15	25	34	7	5	11	4	96	234	67	1	0	0	
07.15-07.30	32	24	11	8	8	1	86	243	56	1	0	0	
07.30-07.45	36	36	12	9	12	3	81	244	64	0	0	0	
07.45-08.00	31	32	9	6	9	4	79	265	55	0	2	0	
Total	124	126	39	28	40	12	342	986	242	2	2	0	1943
07.15-07.30	32	24	11	8	8	1	86	243	56	1	0	0	
07.30-07.45	36	36	12	9	12	3	81	244	64	0	0	0	
07.45-08.00	31	32	9	6	9	4	79	265	55	0	2	0	
08.00-08.15	24	34	8	4	12	5	78	214	68	2	0	0	
Total	123	126	40	27	41	13	324	966	243	3	2	0	1908
07.30-07.45	36	36	12	9	12	3	81	244	64	0	0	0	
07.45-08.00	31	32	9	6	9	4	79	265	55	0	2	0	
08.00-08.15	24	34	8	4	12	5	78	214	68	2	0	0	
08.15-08.30	22	26	9	5	11	3	77	198	64	0	0	0	
Total	113	128	38	24	44	15	315	921	251	2	2	0	1853
07.45-08.00	31	32	9	6	9	4	79	265	55	0	2	0	
08.00-08.15	24	34	8	4	12	5	78	214	68	2	0	0	
08.15-08.30	22	26	9	5	11	3	77	198	64	0	0	0	
08.30-08.45	31	25	11	4	9	2	89	211	72	1	0	0	
Total	108	117	37	19	41	14	323	888	259	3	2	0	1811
08.00-08.15	24	34	8	4	12	5	78	214	68	2	0	0	
08.15-08.30	22	26	9	5	11	3	77	198	64	0	0	0	
08.30-08.45	31	25	11	4	9	2	89	211	72	1	0	0	
08.45-09.00	33	41	11	6	6	2	81	179	59	0	0	0	
Total	110	126	39	19	38	12	325	802	263	3	0	0	1737

11.00-11.15	12	26	11	6	7	1	34	114	56	0	0	0	
11.15-11.30	14	35	9	8	10	4	45	167	65	0	0	0	
11.30-11.45	14	37	8	8	12	2	33	166	55	0	0	0	
11.45-12.00	9	45	10	4	7	4	47	156	47	0	0	0	
Total	49	143	38	26	36	11	159	603	223	0	0	0	1288
11.15-11.30	14	35	9	8	10	4	45	167	65	0	0	0	
11.30-11.45	14	37	8	8	12	2	33	166	55	0	0	0	
11.45-12.00	9	45	10	4	7	4	47	156	47	0	0	0	
12.00-12.15	21	31	18	7	11	2	65	186	57	0	0	0	
Total	58	148	45	27	40	12	190	675	224	0	0	0	1419
11.30-11.45	14	37	8	8	12	2	33	166	55	0	0	0	
11.45-12.00	9	45	10	4	7	4	47	156	47	0	0	0	
12.00-12.15	21	31	18	7	11	2	65	186	57	0	0	0	
12.15-12.30	18	45	15	6	8	1	66	177	64	0	0	0	
Total	62	158	51	25	38	9	211	685	223	0	0	0	1462
11.45-12.00	9	45	10	4	7	4	47	156	47	0	0	0	
12.00-12.15	21	31	18	7	11	2	65	186	57	0	0	0	
12.15-12.30	18	45	15	6	8	1	66	177	64	0	0	0	
12.30-12.45	11	36	17	5	11	1	71	165	55	0	0	0	
Total	59	157	60	22	37	8	249	684	223	0	0	0	1499
12.00-12.15	21	31	18	7	11	2	65	186	57	0	0	0	
12.15-12.30	18	45	15	6	8	1	66	177	64	0	0	0	
12.30-12.45	11	36	17	5	11	1	71	165	55	0	0	0	
12.45-13.00	15	35	17	7	9	3	54	154	61	0	0	0	
Total	65	147	67	25	39	7	256	682	237	0	0	0	1525
12.15-12.30	18	45	15	6	8	1	66	177	64	0	0	0	
12.30-12.45	11	36	17	5	11	1	71	165	55	0	0	0	
12.45-13.00	15	35	17	7	9	3	54	154	61	0	0	0	
13.00-13.15	10	37	17	7	9	1	43	153	75	0	0	0	
Total	54	153	66	25	37	6	234	649	255	0	0	0	1479
12.30-12.45	11	36	17	5	11	1	71	165	55	0	0	0	
12.45-13.00	15	35	17	7	9	3	54	154	61	0	0	0	
13.00-13.15	10	37	17	7	9	1	43	153	75	0	0	0	
13.15-13.30	9	24	12	4	4	3	35	171	55	0	0	0	
Total	45	132	63	23	33	8	203	643	246	0	0	0	1396
12.45-13.00	15	35	17	7	9	3	54	154	61	0	0	0	
13.00-13.15	10	37	17	7	9	1	43	153	75	0	0	0	
13.15-13.30	9	24	12	4	4	3	35	171	55	0	0	0	
13.30-13.45	7	41	15	5	5	2	44	177	63	0	0	0	
Total	41	137	61	23	27	9	176	655	254	0	0	0	1383
13.00-13.15	10	37	17	7	9	1	43	153	75	0	0	0	
13.15-13.30	9	24	12	4	4	3	35	171	55	0	0	0	
13.30-13.45	7	41	15	5	5	2	44	177	63	0	0	0	
13.45-14.00	12	32	10	9	9	3	39	167	65	0	0	0	
Total	38	134	54	25	27	9	161	668	258	0	0	0	1374

15.00-15.15	32	54	15	13	12	1	112	156	67	0	0	0	
15.15-15.30	18	61	19	12	12	2	101	134	56	0	0	0	
15.30-15.45	24	55	13	19	9	0	106	153	45	0	0	0	
15.45-16.00	17	42	11	15	16	4	96	121	51	1	0	0	
Total	91	212	58	59	49	7	415	564	219	1	0	0	1675
15.15-15.30	18	61	19	12	12	2	101	134	56	0	0	0	
15.30-15.45	24	55	13	19	9	0	106	153	45	0	0	0	
15.45-16.00	17	42	11	15	16	4	96	121	51	1	0	0	
16.00-16.15	32	58	14	12	10	3	114	176	53	0	1	0	
Total	91	216	57	58	47	9	417	584	205	1	1	0	1686
15.30-15.45	24	55	13	19	9	0	106	153	45	0	0	0	
15.45-16.00	17	42	11	15	16	4	96	121	51	1	0	0	
16.00-16.15	32	58	14	12	10	3	114	176	53	0	1	0	
16.15-16.30	31	64	15	15	13	1	125	169	67	0	0	0	
Total	104	219	53	61	48	8	441	619	216	1	1	0	1771
15.45-16.00	17	42	11	15	16	4	96	121	51	1	0	0	
16.00-16.15	32	58	14	12	10	3	114	176	53	0	1	0	
16.15-16.30	31	64	15	15	13	1	125	169	67	0	0	0	
16.30-16.45	43	51	19	13	9	0	125	189	54	0	0	0	
Total	123	215	59	55	48	8	460	655	225	1	1	0	1850
16.00-16.15	32	58	14	12	10	3	114	176	53	0	1	0	
16.15-16.30	31	64	15	15	13	1	125	169	67	0	0	0	
16.30-16.45	43	51	19	13	9	0	125	189	54	0	0	0	
16.45-17.00	27	61	12	11	11	4	131	177	65	1	0	0	
Total	133	234	60	51	43	8	495	711	239	1	1	0	1976
16.15-16.30	31	64	15	15	13	1	125	169	67	0	0	0	
16.30-16.45	43	51	19	13	9	0	125	189	54	0	0	0	
16.45-17.00	27	61	12	11	11	4	131	177	65	1	0	0	
17.00-17.15	23	45	11	8	9	2	122	138	112	1	0	0	
Total	124	221	57	47	42	7	503	673	298	2	0	0	1974
16.30-16.45	43	51	19	13	9	0	125	189	54	0	0	0	
16.45-17.00	27	61	12	11	11	4	131	177	65	1	0	0	
17.00-17.15	23	45	11	8	9	2	122	138	112	1	0	0	
17.15-17.30	22	54	14	13	8	2	114	156	89	2	0	0	
Total	115	211	56	45	37	8	492	660	320	4	0	0	1948
16.45-17.00	27	61	12	11	11	4	131	177	65	1	0	0	
17.00-17.15	23	45	11	8	9	2	122	138	112	1	0	0	
17.15-17.30	22	54	14	13	8	2	114	156	89	2	0	0	
17.30-17.45	15	36	13	12	12	1	116	122	103	0	1	0	
Total	87	196	50	44	40	9	483	593	369	4	1	0	1876
17.00-17.15	23	45	11	8	9	2	122	138	112	1	0	0	
17.15-17.30	22	54	14	13	8	2	114	156	89	2	0	0	
17.30-17.45	15	36	13	12	12	1	116	122	103	0	1	0	
17.45-18.00	18	42	16	16	11	3	94	137	104	0	0	0	
Total	78	177	54	49	40	8	446	553	408	3	1	0	1817

Hari Selasa Jalan Kedung Cowek													
Tanggal : 21 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	22	76	68	2	18	36	245	189	189	2	0	0	
06.15-06.30	14	64	77	4	16	28	214	178	189	1	0	0	
06.30-06.45	15	66	63	3	10	31	225	201	217	2	0	0	
06.45-07.00	18	81	59	1	11	33	257	221	242	1	0	0	
Total	69	287	267	10	55	128	941	789	837	6	0	0	3389
06.15-06.30	14	64	77	4	16	28	214	178	189	1	0	0	
06.30-06.45	15	66	63	3	10	31	225	201	217	2	0	0	
06.45-07.00	18	81	59	1	11	33	257	221	242	1	0	0	
07.00-07.15	30	121	87	4	14	26	313	275	231	1	0	1	
Total	77	332	286	12	51	118	1009	875	879	5	0	1	3645
06.30-06.45	15	66	63	3	10	31	225	201	217	2	0	0	
06.45-07.00	18	81	59	1	11	33	257	221	242	1	0	0	
07.00-07.15	30	121	87	4	14	26	313	275	231	1	0	1	
07.15-07.30	24	115	96	8	16	42	322	267	255	1	0	0	
Total	87	383	305	16	51	132	1117	964	945	5	0	1	4006
06.45-07.00	18	81	59	1	11	33	257	221	242	1	0	0	
07.00-07.15	30	121	87	4	14	26	313	275	231	1	0	1	
07.15-07.30	24	115	96	8	16	42	322	267	255	1	0	0	
07.30-07.45	12	104	76	0	19	43	312	311	258	2	0	0	
Total	84	421	318	13	60	144	1204	1074	986	5	0	1	4310
07.00-07.15	30	121	87	4	14	26	313	275	231	1	0	1	
07.15-07.30	24	115	96	8	16	42	322	267	255	1	0	0	
07.30-07.45	12	104	76	0	19	43	312	311	258	2	0	0	
07.45-08.00	11	116	97	1	18	41	323	287	274	5	0	0	
Total	77	456	356	13	67	152	1270	1140	1018	9	0	1	4559
07.15-07.30	24	115	96	8	16	42	322	267	255	1	0	0	
07.30-07.45	12	104	76	0	19	43	312	311	258	2	0	0	
07.45-08.00	11	116	97	1	18	41	323	287	274	5	0	0	
08.00-08.15	15	123	76	4	11	36	317	212	254	1	0	0	
Total	62	458	345	13	64	162	1274	1077	1041	9	0	0	4505
07.30-07.45	12	104	76	0	19	43	312	311	258	2	0	0	
07.45-08.00	11	116	97	1	18	41	323	287	274	5	0	0	
08.00-08.15	15	123	76	4	11	36	317	212	254	1	0	0	
08.15-08.30	17	115	83	3	8	47	324	198	225	0	1	0	
Total	55	458	332	8	56	167	1276	1008	1011	8	1	0	4380
07.45-08.00	11	116	97	1	18	41	323	287	274	5	0	0	
08.00-08.15	15	123	76	4	11	36	317	212	254	1	0	0	
08.15-08.30	17	115	83	3	8	47	324	198	225	0	1	0	
08.30-08.45	21	126	94	6	15	51	355	178	267	0	0	0	
Total	64	480	350	14	52	175	1319	875	1020	6	1	0	4356
08.00-08.15	15	123	76	4	11	36	317	212	254	1	0	0	
08.15-08.30	17	115	83	3	8	47	324	198	225	0	1	0	
08.30-08.45	21	126	94	6	15	51	355	178	267	0	0	0	
08.45-09.00	19	107	77	2	18	42	342	213	243	0	0	0	
Total	72	471	330	15	52	176	1338	801	989	1	1	0	4246

11.00-11.15	22	96	57	4	8	45	214	123	167	0	0	0	
11.15-11.30	37	87	48	5	9	26	226	132	187	0	0	0	
11.30-11.45	31	88	41	7	11	37	255	133	164	0	0	0	
11.45-12.00	21	102	61	5	16	21	221	117	174	0	0	0	
Total	111	373	207	21	44	129	916	505	692	0	0	0	2998
11.15-11.30	37	87	48	5	9	26	226	132	187	0	0	0	
11.30-11.45	31	88	41	7	11	37	255	133	164	0	0	0	
11.45-12.00	21	102	61	5	16	21	221	117	174	0	0	0	
12.00-12.15	30	109	47	4	14	36	239	189	215	1	0	0	
Total	119	386	197	21	50	120	941	571	740	1	0	0	3146
11.30-11.45	31	88	41	7	11	37	255	133	164	0	0	0	
11.45-12.00	21	102	61	5	16	21	221	117	174	0	0	0	
12.00-12.15	30	109	47	4	14	36	239	189	215	1	0	0	
12.15-12.30	45	101	56	3	11	27	214	176	189	0	2	0	
Total	127	400	205	19	52	121	929	615	742	1	2	0	3213
11.45-12.00	21	102	61	5	16	21	221	117	174	0	0	0	
12.00-12.15	30	109	47	4	14	36	239	189	215	1	0	0	
12.15-12.30	45	101	56	3	11	27	214	176	189	0	2	0	
12.30-12.45	50	113	55	11	16	60	250	199	121	0	1	0	
Total	146	425	219	23	57	144	924	681	699	1	3	0	3322
12.00-12.15	30	109	47	4	14	36	239	189	215	1	0	0	
12.15-12.30	45	101	56	3	11	27	214	176	189	0	2	0	
12.30-12.45	50	113	55	11	16	60	250	199	121	0	1	0	
12.45-13.00	44	107	78	11	16	58	223	203	181	0	0	0	
Total	169	430	236	29	57	181	926	767	706	1	3	0	3505
12.15-12.30	45	101	56	3	11	27	214	176	189	0	2	0	
12.30-12.45	50	113	55	11	16	60	250	199	121	0	1	0	
12.45-13.00	44	107	78	11	16	58	223	203	181	0	0	0	
13.00-13.15	32	78	54	4	12	25	226	186	168	0	0	0	
Total	171	399	243	29	55	170	913	764	659	0	3	0	3406
12.30-12.45	50	113	55	11	16	60	250	199	121	0	1	0	
12.45-13.00	44	107	78	11	16	58	223	203	181	0	0	0	
13.00-13.15	32	78	54	4	12	25	226	186	168	0	0	0	
13.15-13.30	26	98	42	5	15	37	218	158	154	0	0	0	
Total	152	396	229	31	59	180	917	746	624	0	1	0	3335
12.45-13.00	44	107	78	11	16	58	223	203	181	0	0	0	
13.00-13.15	32	78	54	4	12	25	226	186	168	0	0	0	
13.15-13.30	26	98	42	5	15	37	218	158	154	0	0	0	
13.30-13.45	22	85	46	6	11	35	205	174	175	0	0	0	
Total	124	368	220	26	54	155	872	721	678	0	0	0	3218
13.00-13.15	32	78	54	4	12	25	226	186	168	0	0	0	
13.15-13.30	26	98	42	5	15	37	218	158	154	0	0	0	
13.30-13.45	22	85	46	6	11	35	205	174	175	0	0	0	
13.45-14.00	21	79	32	3	10	28	218	197	143	0	0	0	
Total	101	340	174	18	48	125	867	715	640	0	0	0	3028



15.00-15.15	15	67	78	3	5	17	179	467	201	1	0	0	
15.15-15.30	17	66	88	2	8	19	165	446	186	1	0	0	
15.30-15.45	21	73	79	5	9	16	191	501	177	0	0	0	
15.45-16.00	28	75	98	6	4	22	166	497	195	0	0	0	
Total	81	281	343	16	26	74	701	1911	759	2	0	0	4194
15.15-15.30	17	66	88	2	8	19	165	446	186	1	0	0	
15.30-15.45	21	73	79	5	9	16	191	501	177	0	0	0	
15.45-16.00	28	75	98	6	4	22	166	497	195	0	0	0	
16.00-16.15	31	89	89	5	13	19	243	513	223	1	2	1	
Total	97	303	354	18	34	76	765	1957	781	2	2	1	4390
15.30-15.45	21	73	79	5	9	16	191	501	177	0	0	0	
15.45-16.00	28	75	98	6	4	22	166	497	195	0	0	0	
16.00-16.15	31	89	89	5	13	19	243	513	223	1	2	1	
16.15-16.30	29	97	96	9	15	25	251	523	219	0	1	0	
Total	109	334	362	25	41	82	851	2034	814	1	3	1	4657
15.45-16.00	28	75	98	6	4	22	166	497	195	0	0	0	
16.00-16.15	31	89	89	5	13	19	243	513	223	1	2	1	
16.15-16.30	29	97	96	9	15	25	251	523	219	0	1	0	
16.30-16.45	21	74	107	5	4	23	134	427	187	0	1	0	
Total	109	335	390	25	36	89	794	1960	824	1	4	1	4568
16.00-16.15	31	89	89	5	13	19	243	513	223	1	2	1	
16.15-16.30	29	97	96	9	15	25	251	523	219	0	1	0	
16.30-16.45	21	74	107	5	4	23	134	427	187	0	1	0	
16.45-17.00	18	77	103	7	7	13	165	464	210	0	1	3	
Total	99	337	395	26	39	80	793	1927	839	1	5	4	4545
16.15-16.30	29	97	96	9	15	25	251	523	219	0	1	0	
16.30-16.45	21	74	107	5	4	23	134	427	187	0	1	0	
16.45-17.00	18	77	103	7	7	13	165	464	210	0	1	3	
17.00-17.15	28	87	96	6	9	24	214	449	226	0	2	0	
Total	96	335	402	27	35	85	764	1863	842	0	5	3	4457
16.30-16.45	21	74	107	5	4	23	134	427	187	0	1	0	
16.45-17.00	18	77	103	7	7	13	165	464	210	0	1	3	
17.00-17.15	28	87	96	6	9	24	214	449	226	0	2	0	
17.15-17.30	34	78	87	9	7	18	234	468	237	1	0	1	
Total	101	316	393	27	27	78	747	1808	860	1	4	4	4366
16.45-17.00	18	77	103	7	7	13	165	464	210	0	1	3	
17.00-17.15	28	87	96	6	9	24	214	449	226	0	2	0	
17.15-17.30	34	78	87	9	7	18	234	468	237	1	0	1	
17.30-17.45	29	85	112	10	11	22	217	497	218	1	1	0	
Total	109	327	398	32	34	77	830	1878	891	2	4	4	4586
17.00-17.15	28	87	96	6	9	24	214	449	226	0	2	0	
17.15-17.30	34	78	87	9	7	18	234	468	237	1	0	1	
17.30-17.45	29	85	112	10	11	22	217	497	218	1	1	0	
17.45-18.00	33	88	105	8	9	23	197	525	225	0	1	0	
Total	124	338	400	33	36	87	862	1939	906	2	4	1	4732

Hari Selasa Jalan Kenjeran (Timur)													
Tanggal : 21 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	21	35	54	2	8	4	118	135	156	0	0	0	
06.15-06.30	28	41	35	1	5	2	89	113	143	0	0	0	
06.30-06.45	15	37	28	1	4	1	76	142	128	0	0	0	
06.45-07.00	20	33	31	0	9	4	102	127	119	0	0	0	
Total	84	146	148	4	26	11	385	517	546	0	0	0	1867
06.15-06.30	28	41	35	1	5	2	89	113	143	0	0	0	
06.30-06.45	15	37	28	1	4	1	76	142	128	0	0	0	
06.45-07.00	20	33	31	0	9	4	102	127	119	0	0	0	
07.00-07.15	43	57	45	5	10	7	113	178	168	0	1	0	
Total	106	168	139	7	28	14	380	560	558	0	1	0	1961
06.30-06.45	15	37	28	1	4	1	76	142	128	0	0	0	
06.45-07.00	20	33	31	0	9	4	102	127	119	0	0	0	
07.00-07.15	43	57	45	5	10	7	113	178	168	0	1	0	
07.15-07.30	28	41	35	4	5	8	121	165	189	0	0	0	
Total	106	168	139	10	28	20	412	612	604	0	1	0	2100
06.45-07.00	20	33	31	0	9	4	102	127	119	0	0	0	
07.00-07.15	43	57	45	5	10	7	113	178	168	0	1	0	
07.15-07.30	28	41	35	4	5	8	121	165	189	0	0	0	
07.30-07.45	41	52	58	5	17	10	104	216	170	0	0	0	
Total	132	183	169	14	41	29	440	686	646	0	1	0	2341
07.00-07.15	43	57	45	5	10	7	113	178	168	0	1	0	
07.15-07.30	28	41	35	4	5	8	121	165	189	0	0	0	
07.30-07.45	41	52	58	5	17	10	104	216	170	0	0	0	
07.45-08.00	35	46	42	2	15	9	102	178	176	4	0	0	
Total	147	196	180	16	47	34	440	737	703	4	1	0	2505
07.15-07.30	28	41	35	4	5	8	121	165	189	0	0	0	
07.30-07.45	41	52	58	5	17	10	104	216	170	0	0	0	
07.45-08.00	35	46	42	2	15	9	102	178	176	4	0	0	
08.00-08.15	34	56	47	3	10	5	119	161	134	0	0	0	
Total	138	195	182	14	47	32	446	720	669	4	0	0	2447
07.30-07.45	41	52	58	5	17	10	104	216	170	0	0	0	
07.45-08.00	35	46	42	2	15	9	102	178	176	4	0	0	
08.00-08.15	34	56	47	3	10	5	119	161	134	0	0	0	
08.15-08.30	39	43	52	6	18	4	123	134	126	0	0	0	
Total	149	197	199	16	60	28	448	689	606	4	0	0	2396
07.45-08.00	35	46	42	2	15	9	102	178	176	4	0	0	
08.00-08.15	34	56	47	3	10	5	119	161	134	0	0	0	
08.15-08.30	39	43	52	6	18	4	123	134	126	0	0	0	
08.30-08.45	46	55	55	3	13	12	127	152	128	0	0	0	
Total	154	200	196	14	56	30	471	625	564	4	0	0	2314
08.00-08.15	34	56	47	3	10	5	119	161	134	0	0	0	
08.15-08.30	39	43	52	6	18	4	123	134	126	0	0	0	
08.30-08.45	46	55	55	3	13	12	127	152	128	0	0	0	
08.45-09.00	31	39	42	5	24	9	121	133	133	0	0	0	
Total	150	193	196	17	65	30	490	580	521	0	0	0	2242

11.00-11.15	12	25	17	17	19	4	67	186	75	0	0	0	
11.15-11.30	15	34	19	14	21	3	58	171	68	0	0	0	
11.30-11.45	21	31	21	22	15	5	49	177	77	0	0	0	
11.45-12.00	17	28	26	19	19	8	37	190	81	0	0	0	
Total	65	118	83	72	74	20	211	724	301	0	0	0	1668
11.15-11.30	15	34	19	14	21	3	58	171	68	0	0	0	
11.30-11.45	21	31	21	22	15	5	49	177	77	0	0	0	
11.45-12.00	17	28	26	19	19	8	37	190	81	0	0	0	
12.00-12.15	16	36	42	2	7	7	58	146	121	1	0	0	
Total	69	129	108	57	62	23	202	684	347	1	0	0	1682
11.30-11.45	21	31	21	22	15	5	49	177	77	0	0	0	
11.45-12.00	17	28	26	19	19	8	37	190	81	0	0	0	
12.00-12.15	16	36	42	2	7	7	58	146	121	1	0	0	
12.15-12.30	18	47	46	1	11	9	51	136	135	0	0	0	
Total	72	142	135	44	52	29	195	649	414	1	0	0	1733
11.45-12.00	17	28	26	19	19	8	37	190	81	0	0	0	
12.00-12.15	16	36	42	2	7	7	58	146	121	1	0	0	
12.15-12.30	18	47	46	1	11	9	51	136	135	0	0	0	
12.30-12.45	21	59	43	2	9	6	65	144	142	0	0	0	
Total	72	170	157	24	46	30	211	616	479	1	0	0	1806
12.00-12.15	16	36	42	2	7	7	58	146	121	1	0	0	
12.15-12.30	18	47	46	1	11	9	51	136	135	0	0	0	
12.30-12.45	21	59	43	2	9	6	65	144	142	0	0	0	
12.45-13.00	13	41	38	3	10	13	55	128	141	0	0	0	
Total	68	183	169	8	37	35	229	554	539	1	0	0	1823
12.15-12.30	18	47	46	1	11	9	51	136	135	0	0	0	
12.30-12.45	21	59	43	2	9	6	65	144	142	0	0	0	
12.45-13.00	13	41	38	3	10	13	55	128	141	0	0	0	
13.00-13.15	14	29	14	8	15	5	59	187	89	0	0	0	
Total	66	176	141	14	45	33	230	595	507	0	0	0	1807
12.30-12.45	21	59	43	2	9	6	65	144	142	0	0	0	
12.45-13.00	13	41	38	3	10	13	55	128	141	0	0	0	
13.00-13.15	14	29	14	8	15	5	59	187	89	0	0	0	
13.15-13.30	17	34	18	6	12	4	78	158	114	0	0	0	
Total	65	163	113	19	46	28	257	617	486	0	0	0	1794
12.45-13.00	13	41	38	3	10	13	55	128	141	0	0	0	
13.00-13.15	14	29	14	8	15	5	59	187	89	0	0	0	
13.15-13.30	17	34	18	6	12	4	78	158	114	0	0	0	
13.30-13.45	21	41	22	5	17	6	49	144	102	1	0	0	
Total	65	145	92	22	54	28	241	617	446	1	0	0	1711
13.00-13.15	14	29	14	8	15	5	59	187	89	0	0	0	
13.15-13.30	17	34	18	6	12	4	78	158	114	0	0	0	
13.30-13.45	21	41	22	5	17	6	49	144	102	1	0	0	
13.45-14.00	18	37	17	4	9	2	52	132	99	0	0	0	
Total	70	141	71	23	53	17	238	621	404	1	0	0	1639

15.00-15.15	21	58	65	5	13	19	138	213	178	1	2	1	
15.15-15.30	17	45	56	9	15	25	134	211	177	0	1	0	
15.30-15.45	21	65	71	5	4	23	122	198	186	0	1	0	
15.45-16.00	18	43	53	7	7	13	132	221	189	0	1	3	
Total	77	211	245	26	39	80	526	843	730	1	5	4	2787
15.15-15.30	17	45	56	9	15	25	134	211	177	0	1	0	
15.30-15.45	21	65	71	5	4	23	122	198	186	0	1	0	
15.45-16.00	18	43	53	7	7	13	132	221	189	0	1	3	
16.00-16.15	32	49	89	1	13	11	154	223	167	0	0	0	
Total	88	202	269	22	39	72	542	853	719	0	3	3	2812
15.30-15.45	21	65	71	5	4	23	122	198	186	0	1	0	
15.45-16.00	18	43	53	7	7	13	132	221	189	0	1	3	
16.00-16.15	32	49	89	1	13	11	154	223	167	0	0	0	
16.15-16.30	29	51	78	6	11	11	124	218	187	1	0	0	
Total	100	208	291	19	35	58	532	860	729	1	2	3	2838
15.45-16.00	18	43	53	7	7	13	132	221	189	0	1	3	
16.00-16.15	32	49	89	1	13	11	154	223	167	0	0	0	
16.15-16.30	29	51	78	6	11	11	124	218	187	1	0	0	
16.30-16.45	36	39	73	2	7	7	116	225	196	0	1	0	
Total	115	182	293	16	38	42	526	887	739	1	2	3	2844
16.00-16.15	32	49	89	1	13	11	154	223	167	0	0	0	
16.15-16.30	29	51	78	6	11	11	124	218	187	1	0	0	
16.30-16.45	36	39	73	2	7	7	116	225	196	0	1	0	
16.45-17.00	21	46	92	1	11	3	122	189	177	0	0	0	
Total	118	185	332	10	42	32	516	855	727	1	1	0	2819
16.15-16.30	29	51	78	6	11	11	124	218	187	1	0	0	
16.30-16.45	36	39	73	2	7	7	116	225	196	0	1	0	
16.45-17.00	21	46	92	1	11	3	122	189	177	0	0	0	
17.00-17.15	45	67	45	2	11	16	143	229	221	0	0	0	
Total	131	203	288	11	40	37	505	861	781	1	1	0	2859
16.30-16.45	36	39	73	2	7	7	116	225	196	0	1	0	
16.45-17.00	21	46	92	1	11	3	122	189	177	0	0	0	
17.00-17.15	45	67	45	2	11	16	143	229	221	0	0	0	
17.15-17.30	35	54	47	3	8	9	124	233	215	1	0	0	
Total	137	206	257	8	37	35	505	876	809	1	1	0	2872
16.45-17.00	21	46	92	1	11	3	122	189	177	0	0	0	
17.00-17.15	45	67	45	2	11	16	143	229	221	0	0	0	
17.15-17.30	35	54	47	3	8	9	124	233	215	1	0	0	
17.30-17.45	44	68	35	1	6	14	142	243	217	1	1	0	
Total	145	235	219	7	36	42	531	894	830	2	1	0	2942
17.00-17.15	45	67	45	2	11	16	143	229	221	0	0	0	
17.15-17.30	35	54	47	3	8	9	124	233	215	1	0	0	
17.30-17.45	44	68	35	1	6	14	142	243	217	1	1	0	
17.45-18.00	38	54	41	4	12	21	117	218	211	1	0	0	
Total	162	243	168	10	37	60	526	923	864	3	1	0	2997

Hari Rabu Jalan Karang Asem													
Tanggal : 22 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	24	65	56	0	5	3	65	254	198	0	0	0	
06.15-06.30	35	53	52	1	4	2	74	263	145	0	0	0	
06.30-06.45	33	47	61	1	6	4	59	246	169	0	0	0	
06.45-07.00	32	49	54	0	3	4	61	271	142	0	0	0	
Total	124	214	223	2	18	13	259	1034	654	0	0	0	2541
06.15-06.30	35	53	52	1	4	2	74	263	145	0	0	0	
06.30-06.45	33	47	61	1	6	4	59	246	169	0	0	0	
06.45-07.00	32	49	54	0	3	4	61	271	142	0	0	0	
07.00-07.15	42	75	69	1	14	2	96	246	165	0	0	0	
Total	142	224	236	3	27	12	290	1026	621	0	0	0	2581
06.30-06.45	33	47	61	1	6	4	59	246	169	0	0	0	
06.45-07.00	32	49	54	0	3	4	61	271	142	0	0	0	
07.00-07.15	42	75	69	1	14	2	96	246	165	0	0	0	
07.15-07.30	39	58	63	3	8	5	84	268	153	0	1	0	
Total	146	229	247	5	31	15	300	1031	629	0	1	0	2634
06.45-07.00	32	49	54	0	3	4	61	271	142	0	0	0	
07.00-07.15	42	75	69	1	14	2	96	246	165	0	0	0	
07.15-07.30	39	58	63	3	8	5	84	268	153	0	1	0	
07.30-07.45	31	83	59	1	8	7	67	279	166	0	1	0	
Total	144	265	245	5	33	18	308	1064	626	0	2	0	2710
07.00-07.15	42	75	69	1	14	2	96	246	165	0	0	0	
07.15-07.30	39	58	63	3	8	5	84	268	153	0	1	0	
07.30-07.45	31	83	59	1	8	7	67	279	166	0	1	0	
07.45-08.00	30	68	51	0	19	8	78	265	159	2	0	0	
Total	142	284	242	5	49	22	325	1058	643	2	2	0	2774
07.15-07.30	39	58	63	3	8	5	84	268	153	0	1	0	
07.30-07.45	31	83	59	1	8	7	67	279	166	0	1	0	
07.45-08.00	30	68	51	0	19	8	78	265	159	2	0	0	
08.00-08.15	28	65	58	0	9	3	87	243	187	1	0	0	
Total	128	274	231	4	44	23	316	1055	665	3	2	0	2745
07.30-07.45	31	83	59	1	8	7	67	279	166	0	1	0	
07.45-08.00	30	68	51	0	19	8	78	265	159	2	0	0	
08.00-08.15	28	65	58	0	9	3	87	243	187	1	0	0	
08.15-08.30	31	74	57	1	6	6	65	254	173	0	1	0	
Total	120	290	225	2	42	24	297	1041	685	3	2	0	2731
07.45-08.00	30	68	51	0	19	8	78	265	159	2	0	0	
08.00-08.15	28	65	58	0	9	3	87	243	187	1	0	0	
08.15-08.30	31	74	57	1	6	6	65	254	173	0	1	0	
08.30-08.45	33	86	64	4	8	1	68	221	181	0	1	0	
Total	122	293	230	5	42	18	298	983	700	3	2	0	2696
08.00-08.15	28	65	58	0	9	3	87	243	187	1	0	0	
08.15-08.30	31	74	57	1	6	6	65	254	173	0	1	0	
08.30-08.45	33	86	64	4	8	1	68	221	181	0	1	0	
08.45-09.00	29	94	51	0	8	4	71	245	146	0	0	0	
Total	121	319	230	5	31	14	291	963	687	1	2	0	2664

11.00-11.15	21	65	34	2	5	2	47	178	122	0	0	0	
11.15-11.30	27	57	43	1	4	2	54	156	123	0	0	0	
11.30-11.45	22	68	47	0	7	1	61	185	134	0	0	0	
11.45-12.00	18	45	51	1	9	1	51	210	119	0	0	0	
Total	88	235	175	4	25	6	213	729	498	0	0	0	1973
11.15-11.30	27	57	43	1	4	2	54	156	123	0	0	0	
11.30-11.45	22	68	47	0	7	1	61	185	134	0	0	0	
11.45-12.00	18	45	51	1	9	1	51	210	119	0	0	0	
12.00-12.15	35	56	43	3	8	7	63	212	145	1	0	0	
Total	102	226	184	5	28	11	229	763	521	1	0	0	2070
11.30-11.45	22	68	47	0	7	1	61	185	134	0	0	0	
11.45-12.00	18	45	51	1	9	1	51	210	119	0	0	0	
12.00-12.15	35	56	43	3	8	7	63	212	145	1	0	0	
12.15-12.30	31	68	36	0	5	8	75	201	137	0	0	0	
Total	106	237	177	4	29	17	250	808	535	1	0	0	2164
11.45-12.00	18	45	51	1	9	1	51	210	119	0	0	0	
12.00-12.15	35	56	43	3	8	7	63	212	145	1	0	0	
12.15-12.30	31	68	36	0	5	8	75	201	137	0	0	0	
12.30-12.45	25	61	52	2	6	2	60	232	144	0	0	0	
Total	109	230	182	6	28	18	249	855	545	1	0	0	2223
12.00-12.15	35	56	43	3	8	7	63	212	145	1	0	0	
12.15-12.30	31	68	36	0	5	8	75	201	137	0	0	0	
12.30-12.45	25	61	52	2	6	2	60	232	144	0	0	0	
12.45-13.00	30	62	45	1	11	2	59	227	121	0	0	0	
Total	121	247	176	6	30	19	257	872	547	1	0	0	2276
12.15-12.30	31	68	36	0	5	8	75	201	137	0	0	0	
12.30-12.45	25	61	52	2	6	2	60	232	144	0	0	0	
12.45-13.00	30	62	45	1	11	2	59	227	121	0	0	0	
13.00-13.15	29	65	32	1	6	2	58	167	154	0	0	0	
Total	115	256	165	4	28	14	252	827	556	0	0	0	2217
12.30-12.45	25	61	52	2	6	2	60	232	144	0	0	0	
12.45-13.00	30	62	45	1	11	2	59	227	121	0	0	0	
13.00-13.15	29	65	32	1	6	2	58	167	154	0	0	0	
13.15-13.30	26	68	28	2	5	1	64	154	165	0	0	0	
Total	110	256	157	6	28	7	241	780	584	0	0	0	2169
12.45-13.00	30	62	45	1	11	2	59	227	121	0	0	0	
13.00-13.15	29	65	32	1	6	2	58	167	154	0	0	0	
13.15-13.30	26	68	28	2	5	1	64	154	165	0	0	0	
13.30-13.45	31	54	33	1	8	3	66	144	138	0	0	0	
Total	116	249	138	5	30	8	247	692	578	0	0	0	2063
13.00-13.15	29	65	32	1	6	2	58	167	154	0	0	0	
13.15-13.30	26	68	28	2	5	1	64	154	165	0	0	0	
13.30-13.45	31	54	33	1	8	3	66	144	138	0	0	0	
13.45-14.00	24	41	25	0	4	3	51	187	144	0	0	0	
Total	110	228	118	4	23	9	239	652	601	0	0	0	1984

15.00-15.15	21	115	87	2	4	5	87	221	221	0	0	0	
15.15-15.30	17	121	77	3	3	7	99	289	242	0	0	0	
15.30-15.45	16	112	102	1	7	3	77	324	232	0	0	0	
15.45-16.00	21	122	111	1	8	4	69	321	241	0	0	0	
Total	75	470	377	7	22	19	332	1155	936	0	0	0	3393
15.15-15.30	17	121	77	3	3	7	99	289	242	0	0	0	
15.30-15.45	16	112	102	1	7	3	77	324	232	0	0	0	
15.45-16.00	21	122	111	1	8	4	69	321	241	0	0	0	
16.00-16.15	19	150	98	3	5	2	87	313	243	1	0	0	
Total	73	505	388	8	23	16	332	1247	958	1	0	0	3551
15.30-15.45	16	112	102	1	7	3	77	324	232	0	0	0	
15.45-16.00	21	122	111	1	8	4	69	321	241	0	0	0	
16.00-16.15	19	150	98	3	5	2	87	313	243	1	0	0	
16.15-16.30	23	119	104	1	11	5	96	323	231	0	0	0	
Total	79	503	415	6	31	14	329	1281	947	1	0	0	3606
15.45-16.00	21	122	111	1	8	4	69	321	241	0	0	0	
16.00-16.15	19	150	98	3	5	2	87	313	243	1	0	0	
16.15-16.30	23	119	104	1	11	5	96	323	231	0	0	0	
16.30-16.45	18	169	94	2	9	6	92	326	287	0	0	0	
Total	81	560	407	7	33	17	344	1283	1002	1	0	0	3735
16.00-16.15	19	150	98	3	5	2	87	313	243	1	0	0	
16.15-16.30	23	119	104	1	11	5	96	323	231	0	0	0	
16.30-16.45	18	169	94	2	9	6	92	326	287	0	0	0	
16.45-17.00	17	112	86	0	12	7	75	352	274	2	1	0	
Total	77	550	382	6	37	20	350	1314	1035	3	1	0	3775
16.15-16.30	23	119	104	1	11	5	96	323	231	0	0	0	
16.30-16.45	18	169	94	2	9	6	92	326	287	0	0	0	
16.45-17.00	17	112	86	0	12	7	75	352	274	2	1	0	
17.00-17.15	17	135	114	1	7	5	78	289	235	1	1	0	
Total	75	535	398	4	39	23	341	1290	1027	3	2	0	3737
16.30-16.45	18	169	94	2	9	6	92	326	287	0	0	0	
16.45-17.00	17	112	86	0	12	7	75	352	274	2	1	0	
17.00-17.15	17	135	114	1	7	5	78	289	235	1	1	0	
17.15-17.30	19	141	89	3	11	4	68	276	258	0	1	0	
Total	71	557	383	6	39	22	313	1243	1054	3	3	0	3694
16.45-17.00	17	112	86	0	12	7	75	352	274	2	1	0	
17.00-17.15	17	135	114	1	7	5	78	289	235	1	1	0	
17.15-17.30	19	141	89	3	11	4	68	276	258	0	1	0	
17.30-17.45	21	138	121	3	10	4	89	277	255	0	2	0	
Total	74	526	410	7	40	20	310	1194	1022	3	5	0	3611
17.00-17.15	17	135	114	1	7	5	78	289	235	1	1	0	
17.15-17.30	19	141	89	3	11	4	68	276	258	0	1	0	
17.30-17.45	21	138	121	3	10	4	89	277	255	0	2	0	
17.45-18.00	18	124	107	4	8	7	106	345	277	0	0	0	
Total	75	538	431	11	36	20	341	1187	1025	1	4	0	3669

Hari Rabu Jalan Kenjeran (Barat)													
Tanggal : 22 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	31	46	8	12	13	1	78	145	87	0	0	0	
06.15-06.30	18	44	11	16	12	4	98	133	76	0	0	0	
06.30-06.45	21	38	14	22	15	3	65	147	88	0	1	0	
06.45-07.00	31	47	9	17	9	1	71	176	92	0	0	0	
Total	101	175	42	67	49	9	312	601	343	0	1	0	1700
06.15-06.30	18	44	11	16	12	4	98	133	76	0	0	0	
06.30-06.45	21	38	14	22	15	3	65	147	88	0	1	0	
06.45-07.00	31	47	9	17	9	1	71	176	92	0	0	0	
07.00-07.15	46	56	11	19	21	3	87	197	67	0	0	0	
Total	116	185	45	74	57	11	321	653	323	0	1	0	1786
06.30-06.45	21	38	14	22	15	3	65	147	88	0	1	0	
06.45-07.00	31	47	9	17	9	1	71	176	92	0	0	0	
07.00-07.15	46	56	11	19	21	3	87	197	67	0	0	0	
07.15-07.30	58	43	13	14	15	2	93	187	87	0	1	0	
Total	156	184	47	72	60	9	316	707	334	0	2	0	1887
06.45-07.00	31	47	9	17	9	1	71	176	92	0	0	0	
07.00-07.15	46	56	11	19	21	3	87	197	67	0	0	0	
07.15-07.30	58	43	13	14	15	2	93	187	87	0	1	0	
07.30-07.45	58	48	14	25	17	4	102	188	56	0	1	0	
Total	193	194	47	75	62	10	353	748	302	0	2	0	1986
07.00-07.15	46	56	11	19	21	3	87	197	67	0	0	0	
07.15-07.30	58	43	13	14	15	2	93	187	87	0	1	0	
07.30-07.45	58	48	14	25	17	4	102	188	56	0	1	0	
07.45-08.00	63	58	10	25	22	3	94	167	62	0	0	0	
Total	225	205	48	83	75	12	376	739	272	0	2	0	2037
07.15-07.30	58	43	13	14	15	2	93	187	87	0	1	0	
07.30-07.45	58	48	14	25	17	4	102	188	56	0	1	0	
07.45-08.00	63	58	10	25	22	3	94	167	62	0	0	0	
08.00-08.15	56	35	13	17	25	3	67	145	89	0	0	0	
Total	235	184	50	81	79	12	356	687	294	0	2	0	1980
07.30-07.45	58	48	14	25	17	4	102	188	56	0	1	0	
07.45-08.00	63	58	10	25	22	3	94	167	62	0	0	0	
08.00-08.15	56	35	13	17	25	3	67	145	89	0	0	0	
08.15-08.30	69	48	15	12	28	5	78	155	87	0	0	0	
Total	246	189	52	79	92	15	341	655	294	0	1	0	1964
07.45-08.00	63	58	10	25	22	3	94	167	62	0	0	0	
08.00-08.15	56	35	13	17	25	3	67	145	89	0	0	0	
08.15-08.30	69	48	15	12	28	5	78	155	87	0	0	0	
08.30-08.45	43	32	11	15	29	2	59	166	112	0	0	0	
Total	231	173	49	69	104	13	298	633	350	0	0	0	1920
08.00-08.15	56	35	13	17	25	3	67	145	89	0	0	0	
08.15-08.30	69	48	15	12	28	5	78	155	87	0	0	0	
08.30-08.45	43	32	11	15	29	2	59	166	112	0	0	0	
08.45-09.00	65	29	9	20	33	2	44	157	117	0	0	0	
Total	233	144	48	64	115	12	248	623	405	0	0	0	1892



11.00-11.15	14	58	17	16	15	3	57	123	32	0	0	0	
11.15-11.30	17	54	15	22	18	3	62	134	45	0	0	0	
11.30-11.45	23	68	18	15	13	1	51	118	48	0	0	0	
11.45-12.00	19	51	21	21	23	2	48	129	51	0	0	0	
Total	73	231	71	74	69	9	218	504	176	0	0	0	1425
11.15-11.30	17	54	15	22	18	3	62	134	45	0	0	0	
11.30-11.45	23	68	18	15	13	1	51	118	48	0	0	0	
11.45-12.00	19	51	21	21	23	2	48	129	51	0	0	0	
12.00-12.15	35	44	21	15	21	3	71	134	46	0	0	0	
Total	94	217	75	73	75	9	232	515	190	0	0	0	1480
11.30-11.45	23	68	18	15	13	1	51	118	48	0	0	0	
11.45-12.00	19	51	21	21	23	2	48	129	51	0	0	0	
12.00-12.15	35	44	21	15	21	3	71	134	46	0	0	0	
12.15-12.30	41	56	16	12	18	4	65	156	43	0	0	0	
Total	118	219	76	63	75	10	235	537	188	0	0	0	1521
11.45-12.00	19	51	21	21	23	2	48	129	51	0	0	0	
12.00-12.15	35	44	21	15	21	3	71	134	46	0	0	0	
12.15-12.30	41	56	16	12	18	4	65	156	43	0	0	0	
12.30-12.45	33	48	17	8	21	2	63	165	38	1	0	0	
Total	128	199	75	56	83	11	247	584	178	1	0	0	1562
12.00-12.15	35	44	21	15	21	3	71	134	46	0	0	0	
12.15-12.30	41	56	16	12	18	4	65	156	43	0	0	0	
12.30-12.45	33	48	17	8	21	2	63	165	38	1	0	0	
12.45-13.00	38	38	24	16	17	4	58	149	51	0	0	0	
Total	147	186	78	51	77	13	257	604	178	1	0	0	1592
12.15-12.30	41	56	16	12	18	4	65	156	43	0	0	0	
12.30-12.45	33	48	17	8	21	2	63	165	38	1	0	0	
12.45-13.00	38	38	24	16	17	4	58	149	51	0	0	0	
13.00-13.15	28	49	14	21	15	5	59	122	53	0	0	0	
Total	140	191	71	57	71	15	245	592	185	1	0	0	1568
12.30-12.45	33	48	17	8	21	2	63	165	38	1	0	0	
12.45-13.00	38	38	24	16	17	4	58	149	51	0	0	0	
13.00-13.15	28	49	14	21	15	5	59	122	53	0	0	0	
13.15-13.30	38	67	18	18	15	4	63	134	41	0	0	0	
Total	137	202	73	63	68	15	243	570	183	1	0	0	1555
12.45-13.00	38	38	24	16	17	4	58	149	51	0	0	0	
13.00-13.15	28	49	14	21	15	5	59	122	53	0	0	0	
13.15-13.30	38	67	18	18	15	4	63	134	41	0	0	0	
13.30-13.45	45	67	22	18	8	6	56	131	38	1	0	0	
Total	149	221	78	73	55	19	236	536	183	1	0	0	1551
13.00-13.15	28	49	14	21	15	5	59	122	53	0	0	0	
13.15-13.30	38	67	18	18	15	4	63	134	41	0	0	0	
13.30-13.45	45	67	22	18	8	6	56	131	38	1	0	0	
13.45-14.00	36	58	17	16	13	2	61	118	31	0	0	0	
Total	147	241	71	73	51	17	239	505	163	1	0	0	1508

15.00-15.15	25	47	29	21	17	4	112	154	25	0	0	0	
15.15-15.30	36	35	21	17	18	6	145	156	43	0	0	0	
15.30-15.45	31	38	18	18	23	2	133	153	32	0	0	0	
15.45-16.00	39	29	22	19	16	3	125	172	29	0	0	0	
Total	131	149	90	75	74	15	515	635	129	0	0	0	1813
15.15-15.30	36	35	21	17	18	6	145	156	43	0	0	0	
15.30-15.45	31	38	18	18	23	2	133	153	32	0	0	0	
15.45-16.00	39	29	22	19	16	3	125	172	29	0	0	0	
16.00-16.15	43	45	14	31	15	2	132	178	43	0	0	0	
Total	149	147	75	85	72	13	535	659	147	0	0	0	1882
15.30-15.45	31	38	18	18	23	2	133	153	32	0	0	0	
15.45-16.00	39	29	22	19	16	3	125	172	29	0	0	0	
16.00-16.15	43	45	14	31	15	2	132	178	43	0	0	0	
16.15-16.30	36	52	23	22	18	5	122	182	36	0	1	0	
Total	149	164	77	90	72	12	512	685	140	0	1	0	1902
15.45-16.00	39	29	22	19	16	3	125	172	29	0	0	0	
16.00-16.15	43	45	14	31	15	2	132	178	43	0	0	0	
16.15-16.30	36	52	23	22	18	5	122	182	36	0	1	0	
16.30-16.45	44	55	30	18	16	1	142	169	45	0	2	0	
Total	162	181	89	90	65	11	521	701	153	0	3	0	1976
16.00-16.15	43	45	14	31	15	2	132	178	43	0	0	0	
16.15-16.30	36	52	23	22	18	5	122	182	36	0	1	0	
16.30-16.45	44	55	30	18	16	1	142	169	45	0	2	0	
16.45-17.00	51	41	32	19	21	9	139	159	38	0	0	0	
Total	174	193	99	90	70	17	535	688	162	0	3	0	2031
16.15-16.30	36	52	23	22	18	5	122	182	36	0	1	0	
16.30-16.45	44	55	30	18	16	1	142	169	45	0	2	0	
16.45-17.00	51	41	32	19	21	9	139	159	38	0	0	0	
17.00-17.15	28	51	13	27	18	6	112	156	34	0	0	0	
Total	159	199	98	86	73	21	515	666	153	0	3	0	1973
16.30-16.45	44	55	30	18	16	1	142	169	45	0	2	0	
16.45-17.00	51	41	32	19	21	9	139	159	38	0	0	0	
17.00-17.15	28	51	13	27	18	6	112	156	34	0	0	0	
17.15-17.30	37	36	21	29	23	3	167	177	36	0	1	0	
Total	160	183	96	93	78	19	560	661	153	0	3	0	2006
16.45-17.00	51	41	32	19	21	9	139	159	38	0	0	0	
17.00-17.15	28	51	13	27	18	6	112	156	34	0	0	0	
17.15-17.30	37	36	21	29	23	3	167	177	36	0	1	0	
17.30-17.45	41	52	14	22	16	4	132	168	25	0	1	0	
Total	157	180	80	97	78	22	550	660	133	0	2	0	1959
17.00-17.15	28	51	13	27	18	6	112	156	34	0	0	0	
17.15-17.30	37	36	21	29	23	3	167	177	36	0	1	0	
17.30-17.45	41	52	14	22	16	4	132	168	25	0	1	0	
17.45-18.00	51	47	19	31	15	1	141	171	46	0	0	0	
Total	157	186	67	109	72	14	552	672	141	0	2	0	1972

Hari Rabu Jalan Kedung Cowek													
Tanggal : 22 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	15	101	69	2	8	22	275	245	180	0	0	0	
06.15-06.30	17	111	71	2	13	25	268	287	231	1	0	0	
06.30-06.45	9	121	58	1	15	18	255	246	256	1	0	0	
06.45-07.00	11	108	62	1	17	21	261	277	233	0	0	0	
Total	52	441	260	6	53	86	1059	1055	900	2	0	0	3914
06.15-06.30	17	111	71	2	13	25	268	287	231	1	0	0	
06.30-06.45	9	121	58	1	15	18	255	246	256	1	0	0	
06.45-07.00	11	108	62	1	17	21	261	277	233	0	0	0	
07.00-07.15	25	114	65	3	16	23	254	232	256	2	0	1	
Total	62	454	256	7	61	87	1038	1042	976	4	0	1	3988
06.30-06.45	9	121	58	1	15	18	255	246	256	1	0	0	
06.45-07.00	11	108	62	1	17	21	261	277	233	0	0	0	
07.00-07.15	25	114	65	3	16	23	254	232	256	2	0	1	
07.15-07.30	17	108	86	5	13	30	234	245	298	1	0	0	
Total	62	451	271	10	61	92	1004	1000	1043	4	0	1	3999
06.45-07.00	11	108	62	1	17	21	261	277	233	0	0	0	
07.00-07.15	25	114	65	3	16	23	254	232	256	2	0	1	
07.15-07.30	17	108	86	5	13	30	234	245	298	1	0	0	
07.30-07.45	10	112	77	1	15	29	216	254	278	2	0	0	
Total	63	442	290	10	61	103	965	1008	1065	5	0	1	4013
07.00-07.15	25	114	65	3	16	23	254	232	256	2	0	1	
07.15-07.30	17	108	86	5	13	30	234	245	298	1	0	0	
07.30-07.45	10	112	77	1	15	29	216	254	278	2	0	0	
07.45-08.00	16	121	79	3	19	23	215	332	265	4	1	0	
Total	68	455	307	12	63	105	919	1063	1097	9	1	1	4100
07.15-07.30	17	108	86	5	13	30	234	245	298	1	0	0	
07.30-07.45	10	112	77	1	15	29	216	254	278	2	0	0	
07.45-08.00	16	121	79	3	19	23	215	332	265	4	1	0	
08.00-08.15	13	107	69	5	18	25	234	265	213	0	0	0	
Total	56	448	311	14	65	107	899	1096	1054	7	1	0	4058
07.30-07.45	10	112	77	1	15	29	216	254	278	2	0	0	
07.45-08.00	16	121	79	3	19	23	215	332	265	4	1	0	
08.00-08.15	13	107	69	5	18	25	234	265	213	0	0	0	
08.15-08.30	15	113	72	3	12	17	242	277	158	1	0	0	
Total	54	453	297	12	64	94	907	1128	914	7	1	0	3931
07.45-08.00	16	121	79	3	19	23	215	332	265	4	1	0	
08.00-08.15	13	107	69	5	18	25	234	265	213	0	0	0	
08.15-08.30	15	113	72	3	12	17	242	277	158	1	0	0	
08.30-08.45	11	105	77	2	16	27	255	281	194	0	0	0	
Total	55	446	297	13	65	92	946	1155	830	5	1	0	3905
08.00-08.15	13	107	69	5	18	25	234	265	213	0	0	0	
08.15-08.30	15	113	72	3	12	17	242	277	158	1	0	0	
08.30-08.45	11	105	77	2	16	27	255	281	194	0	0	0	
08.45-09.00	17	115	63	2	14	18	238	302	230	0	0	0	
Total	56	440	281	12	60	87	969	1125	795	1	0	0	3826

11.00-11.15	23	103	43	3	9	22	167	189	132	0	0	0	
11.15-11.30	18	112	27	3	6	19	187	177	112	0	0	0	
11.30-11.45	15	97	35	4	10	21	169	234	115	0	0	0	
11.45-12.00	12	85	39	4	8	17	231	217	129	0	0	0	
Total	68	397	144	14	33	79	754	817	488	0	0	0	2794
11.15-11.30	18	112	27	3	6	19	187	177	112	0	0	0	
11.30-11.45	15	97	35	4	10	21	169	234	115	0	0	0	
11.45-12.00	12	85	39	4	8	17	231	217	129	0	0	0	
12.00-12.15	34	109	41	2	15	30	254	154	198	1	0	0	
Total	79	403	142	13	39	87	841	782	554	1	0	0	2941
11.30-11.45	15	97	35	4	10	21	169	234	115	0	0	0	
11.45-12.00	12	85	39	4	8	17	231	217	129	0	0	0	
12.00-12.15	34	109	41	2	15	30	254	154	198	1	0	0	
12.15-12.30	39	101	62	2	14	33	231	174	168	1	0	0	
Total	100	392	177	12	47	101	885	779	610	2	0	0	3105
11.45-12.00	12	85	39	4	8	17	231	217	129	0	0	0	
12.00-12.15	34	109	41	2	15	30	254	154	198	1	0	0	
12.15-12.30	39	101	62	2	14	33	231	174	168	1	0	0	
12.30-12.45	43	113	58	8	19	47	270	154	131	2	0	0	
Total	128	408	200	16	56	127	986	699	626	4	0	0	3250
12.00-12.15	34	109	41	2	15	30	254	154	198	1	0	0	
12.15-12.30	39	101	62	2	14	33	231	174	168	1	0	0	
12.30-12.45	43	113	58	8	19	47	270	154	131	2	0	0	
12.45-13.00	38	107	69	9	11	41	254	179	163	0	1	0	
Total	154	430	230	21	59	151	1009	661	660	4	1	0	3380
12.15-12.30	39	101	62	2	14	33	231	174	168	1	0	0	
12.30-12.45	43	113	58	8	19	47	270	154	131	2	0	0	
12.45-13.00	38	107	69	9	11	41	254	179	163	0	1	0	
13.00-13.15	25	100	37	3	11	22	189	167	186	0	0	0	
Total	145	421	226	22	55	143	944	674	648	3	1	0	3282
12.30-12.45	43	113	58	8	19	47	270	154	131	2	0	0	
12.45-13.00	38	107	69	9	11	41	254	179	163	0	1	0	
13.00-13.15	25	100	37	3	11	22	189	167	186	0	0	0	
13.15-13.30	22	96	44	4	16	18	198	168	134	0	0	0	
Total	128	416	208	24	57	128	911	668	614	2	1	0	3157
12.45-13.00	38	107	69	9	11	41	254	179	163	0	1	0	
13.00-13.15	25	100	37	3	11	22	189	167	186	0	0	0	
13.15-13.30	22	96	44	4	16	18	198	168	134	0	0	0	
13.30-13.45	15	72	51	7	13	19	177	179	166	0	0	0	
Total	100	375	201	23	51	100	818	693	649	0	1	0	3011
13.00-13.15	25	100	37	3	11	22	189	167	186	0	0	0	
13.15-13.30	22	96	44	4	16	18	198	168	134	0	0	0	
13.30-13.45	15	72	51	7	13	19	177	179	166	0	0	0	
13.45-14.00	11	101	33	2	14	22	221	219	122	0	0	0	
Total	73	369	165	16	54	81	785	733	608	0	0	0	2884

15.00-15.15	18	65	46	3	5	11	176	347	154	0	0	0	
15.15-15.30	25	78	65	6	6	16	189	431	189	0	1	0	
15.30-15.45	15	95	75	10	10	17	155	256	168	0	0	0	
15.45-16.00	18	64	66	2	8	18	210	365	170	0	0	0	
Total	76	302	252	21	29	62	730	1399	681	0	1	0	3553
15.15-15.30	25	78	65	6	6	16	189	431	189	0	1	0	
15.30-15.45	15	95	75	10	10	17	155	256	168	0	0	0	
15.45-16.00	18	64	66	2	8	18	210	365	170	0	0	0	
16.00-16.15	25	89	68	4	11	22	213	521	227	0	0	0	
Total	83	326	274	22	35	73	767	1573	754	0	1	0	3908
15.30-15.45	15	95	75	10	10	17	155	256	168	0	0	0	
15.45-16.00	18	64	66	2	8	18	210	365	170	0	0	0	
16.00-16.15	25	89	68	4	11	22	213	521	227	0	0	0	
16.15-16.30	20	97	75	7	15	18	223	496	209	1	0	0	
Total	78	345	284	23	44	75	801	1638	774	1	0	0	4063
15.45-16.00	18	64	66	2	8	18	210	365	170	0	0	0	
16.00-16.15	25	89	68	4	11	22	213	521	227	0	0	0	
16.15-16.30	20	97	75	7	15	18	223	496	209	1	0	0	
16.30-16.45	27	74	98	3	10	26	156	456	204	4	0	0	
Total	90	324	307	16	44	84	802	1838	810	5	0	0	4320
16.00-16.15	25	89	68	4	11	22	213	521	227	0	0	0	
16.15-16.30	20	97	75	7	15	18	223	496	209	1	0	0	
16.30-16.45	27	74	98	3	10	26	156	456	204	4	0	0	
16.45-17.00	30	77	87	8	9	8	189	421	221	0	0	0	
Total	102	337	328	22	45	74	781	1894	861	5	0	0	4449
16.15-16.30	20	97	75	7	15	18	223	496	209	1	0	0	
16.30-16.45	27	74	98	3	10	26	156	456	204	4	0	0	
16.45-17.00	30	77	87	8	9	8	189	421	221	0	0	0	
17.00-17.15	27	64	77	2	8	14	147	358	176	0	0	0	
Total	104	312	337	20	42	66	715	1731	810	5	0	0	4142
16.30-16.45	27	74	98	3	10	26	156	456	204	4	0	0	
16.45-17.00	30	77	87	8	9	8	189	421	221	0	0	0	
17.00-17.15	27	64	77	2	8	14	147	358	176	0	0	0	
17.15-17.30	17	66	62	4	6	12	187	387	198	0	0	0	
Total	101	281	324	17	33	60	679	1622	799	4	0	0	3920
16.45-17.00	30	77	87	8	9	8	189	421	221	0	0	0	
17.00-17.15	27	64	77	2	8	14	147	358	176	0	0	0	
17.15-17.30	17	66	62	4	6	12	187	387	198	0	0	0	
17.30-17.45	16	72	56	3	3	8	188	411	189	0	0	0	
Total	90	279	282	17	26	42	711	1577	784	0	0	0	3808
17.00-17.15	27	64	77	2	8	14	147	358	176	0	0	0	
17.15-17.30	17	66	62	4	6	12	187	387	198	0	0	0	
17.30-17.45	16	72	56	3	3	8	188	411	189	0	0	0	
17.45-18.00	23	81	83	1	8	10	156	398	166	0	0	0	
Total	83	283	278	10	25	44	678	1554	729	0	0	0	3684

Hari Rabu Jalan Kenjeran (Timur)													
Tanggal : 22 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	46	35	45	2	9	3	134	145	137	0	0	0	
06.15-06.30	34	45	36	1	9	7	125	136	142	0	0	0	
06.30-06.45	26	38	48	5	6	4	116	133	151	0	0	0	
06.45-07.00	19	51	56	1	5	4	97	165	118	0	0	0	
Total	125	169	185	9	29	18	472	579	548	0	0	0	2134
06.15-06.30	34	45	36	1	9	7	125	136	142	0	0	0	
06.30-06.45	26	38	48	5	6	4	116	133	151	0	0	0	
06.45-07.00	19	51	56	1	5	4	97	165	118	0	0	0	
07.00-07.15	53	46	67	3	10	5	118	167	145	0	0	0	
Total	132	180	207	10	30	20	456	601	556	0	0	0	2192
06.30-06.45	26	38	48	5	6	4	116	133	151	0	0	0	
06.45-07.00	19	51	56	1	5	4	97	165	118	0	0	0	
07.00-07.15	53	46	67	3	10	5	118	167	145	0	0	0	
07.15-07.30	45	51	71	2	18	4	123	171	135	0	0	0	
Total	143	186	242	11	39	17	454	636	549	0	0	0	2277
06.45-07.00	19	51	56	1	5	4	97	165	118	0	0	0	
07.00-07.15	53	46	67	3	10	5	118	167	145	0	0	0	
07.15-07.30	45	51	71	2	18	4	123	171	135	0	0	0	
07.30-07.45	47	59	63	3	13	12	115	176	152	0	0	0	
Total	164	207	257	9	46	25	453	679	550	0	0	0	2390
07.00-07.15	53	46	67	3	10	5	118	167	145	0	0	0	
07.15-07.30	45	51	71	2	18	4	123	171	135	0	0	0	
07.30-07.45	47	59	63	3	13	12	115	176	152	0	0	0	
07.45-08.00	41	62	53	5	24	9	106	165	144	0	0	0	
Total	186	218	254	13	65	30	462	679	576	0	0	0	2483
07.15-07.30	45	51	71	2	18	4	123	171	135	0	0	0	
07.30-07.45	47	59	63	3	13	12	115	176	152	0	0	0	
07.45-08.00	41	62	53	5	24	9	106	165	144	0	0	0	
08.00-08.15	37	51	63	2	8	4	118	134	154	0	0	0	
Total	170	223	250	12	63	29	462	646	585	0	0	0	2440
07.30-07.45	47	59	63	3	13	12	115	176	152	0	0	0	
07.45-08.00	41	62	53	5	24	9	106	165	144	0	0	0	
08.00-08.15	37	51	63	2	8	4	118	134	154	0	0	0	
08.15-08.30	53	47	58	1	11	5	135	138	166	0	0	0	
Total	178	219	237	11	56	30	474	613	616	0	0	0	2434
07.45-08.00	41	62	53	5	24	9	106	165	144	0	0	0	
08.00-08.15	37	51	63	2	8	4	118	134	154	0	0	0	
08.15-08.30	53	47	58	1	11	5	135	138	166	0	0	0	
08.30-08.45	55	61	62	4	7	9	125	143	145	0	0	0	
Total	186	221	236	12	50	27	484	580	609	0	0	0	2405
08.00-08.15	37	51	63	2	8	4	118	134	154	0	0	0	
08.15-08.30	53	47	58	1	11	5	135	138	166	0	0	0	
08.30-08.45	55	61	62	4	7	9	125	143	145	0	0	0	
08.45-09.00	49	48	59	4	5	2	119	146	136	0	0	0	
Total	194	207	242	11	31	20	497	561	601	0	0	0	2364

11.00-11.15	26	34	58	2	13	7	45	127	87	0	0	0	
11.15-11.30	31	42	38	1	17	4	37	139	79	0	0	0	
11.30-11.45	37	51	44	2	14	6	46	141	94	0	0	0	
11.45-12.00	28	44	41	4	19	2	56	139	107	0	0	0	
Total	122	171	181	9	63	19	184	546	367	0	0	0	1662
11.15-11.30	31	42	38	1	17	4	37	139	79	0	0	0	
11.30-11.45	37	51	44	2	14	6	46	141	94	0	0	0	
11.45-12.00	28	44	41	4	19	2	56	139	107	0	0	0	
12.00-12.15	36	32	39	1	18	6	57	136	113	0	0	0	
Total	132	169	162	8	68	18	196	555	393	0	0	0	1701
11.30-11.45	37	51	44	2	14	6	46	141	94	0	0	0	
11.45-12.00	28	44	41	4	19	2	56	139	107	0	0	0	
12.00-12.15	36	32	39	1	18	6	57	136	113	0	0	0	
12.15-12.30	41	48	53	0	14	10	47	126	123	0	0	0	
Total	142	175	177	7	65	24	206	542	437	0	0	0	1775
11.45-12.00	28	44	41	4	19	2	56	139	107	0	0	0	
12.00-12.15	36	32	39	1	18	6	57	136	113	0	0	0	
12.15-12.30	41	48	53	0	14	10	47	126	123	0	0	0	
12.30-12.45	36	28	59	2	21	3	38	141	117	0	0	0	
Total	141	152	192	7	72	21	198	542	460	0	0	0	1785
12.00-12.15	36	32	39	1	18	6	57	136	113	0	0	0	
12.15-12.30	41	48	53	0	14	10	47	126	123	0	0	0	
12.30-12.45	36	28	59	2	21	3	38	141	117	0	0	0	
12.45-13.00	31	31	47	1	19	10	48	138	128	0	0	0	
Total	144	139	198	4	72	29	190	541	481	0	0	0	1798
12.15-12.30	41	48	53	0	14	10	47	126	123	0	0	0	
12.30-12.45	36	28	59	2	21	3	38	141	117	0	0	0	
12.45-13.00	31	31	47	1	19	10	48	138	128	0	0	0	
13.00-13.15	24	23	34	1	14	12	46	125	113	0	0	0	
Total	132	130	193	4	68	35	179	530	481	0	0	0	1752
12.30-12.45	36	28	59	2	21	3	38	141	117	0	0	0	
12.45-13.00	31	31	47	1	19	10	48	138	128	0	0	0	
13.00-13.15	24	23	34	1	14	12	46	125	113	0	0	0	
13.15-13.30	17	31	43	3	16	6	37	141	108	0	0	0	
Total	108	113	183	7	70	31	169	545	466	0	0	0	1692
12.45-13.00	31	31	47	1	19	10	48	138	128	0	0	0	
13.00-13.15	24	23	34	1	14	12	46	125	113	0	0	0	
13.15-13.30	17	31	43	3	16	6	37	141	108	0	0	0	
13.30-13.45	22	41	53	2	15	7	56	115	126	0	0	0	
Total	94	126	177	7	64	35	187	519	475	0	0	0	1684
13.00-13.15	24	23	34	1	14	12	46	125	113	0	0	0	
13.15-13.30	17	31	43	3	16	6	37	141	108	0	0	0	
13.30-13.45	22	41	53	2	15	7	56	115	126	0	0	0	
13.45-14.00	25	31	47	1	21	3	49	118	116	0	0	0	
Total	88	126	177	7	66	28	188	499	463	0	0	0	1642

15.00-15.15	27	46	44	3	7	6	89	168	158	0	0	0	
15.15-15.30	18	53	35	1	5	3	67	165	156	0	0	0	
15.30-15.45	26	58	38	2	8	3	108	215	167	0	0	0	
15.45-16.00	38	38	49	2	3	2	121	206	213	0	0	0	
Total	109	195	166	8	23	14	385	754	694	0	0	0	2348
15.15-15.30	18	53	35	1	5	3	67	165	156	0	0	0	
15.30-15.45	26	58	38	2	8	3	108	215	167	0	0	0	
15.45-16.00	38	38	49	2	3	2	121	206	213	0	0	0	
16.00-16.15	36	36	38	1	11	9	89	213	208	0	0	0	
Total	118	185	160	6	27	17	385	799	744	0	0	0	2441
15.30-15.45	26	58	38	2	8	3	108	215	167	0	0	0	
15.45-16.00	38	38	49	2	3	2	121	206	213	0	0	0	
16.00-16.15	36	36	38	1	11	9	89	213	208	0	0	0	
16.15-16.30	33	45	41	4	8	8	108	215	168	0	0	0	
Total	133	177	166	9	30	22	426	849	756	0	0	0	2568
15.45-16.00	38	38	49	2	3	2	121	206	213	0	0	0	
16.00-16.15	36	36	38	1	11	9	89	213	208	0	0	0	
16.15-16.30	33	45	41	4	8	8	108	215	168	0	0	0	
16.30-16.45	28	56	45	3	8	10	121	189	158	0	0	0	
Total	135	175	173	10	30	29	439	823	747	0	0	0	2561
16.00-16.15	36	36	38	1	11	9	89	213	208	0	0	0	
16.15-16.30	33	45	41	4	8	8	108	215	168	0	0	0	
16.30-16.45	28	56	45	3	8	10	121	189	158	0	0	0	
16.45-17.00	41	28	53	2	9	6	116	175	219	2	0	0	
Total	138	165	177	10	36	33	434	792	753	2	0	0	2540
16.15-16.30	33	45	41	4	8	8	108	215	168	0	0	0	
16.30-16.45	28	56	45	3	8	10	121	189	158	0	0	0	
16.45-17.00	41	28	53	2	9	6	116	175	219	2	0	0	
17.00-17.15	51	57	47	2	10	8	108	214	213	0	0	0	
Total	153	186	186	11	35	32	453	793	758	2	0	0	2609
16.30-16.45	28	56	45	3	8	10	121	189	158	0	0	0	
16.45-17.00	41	28	53	2	9	6	116	175	219	2	0	0	
17.00-17.15	51	57	47	2	10	8	108	214	213	0	0	0	
17.15-17.30	52	68	51	2	7	10	115	231	197	1	0	0	
Total	172	209	196	9	34	34	460	809	787	3	0	0	2713
16.45-17.00	41	28	53	2	9	6	116	175	219	2	0	0	
17.00-17.15	51	57	47	2	10	8	108	214	213	0	0	0	
17.15-17.30	52	68	51	2	7	10	115	231	197	1	0	0	
17.30-17.45	42	48	38	1	5	11	135	211	218	2	0	0	
Total	186	201	189	7	31	35	474	831	847	5	0	0	2806
17.00-17.15	51	57	47	2	10	8	108	214	213	0	0	0	
17.15-17.30	52	68	51	2	7	10	115	231	197	1	0	0	
17.30-17.45	42	48	38	1	5	11	135	211	218	2	0	0	
17.45-18.00	57	58	42	1	8	7	141	221	206	0	0	0	
Total	202	231	178	6	30	36	499	877	834	3	0	0	2896



Hari Kamis Jalan Karang Asem													
Tanggal : 23 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	21	76	46	1	7	4	78	225	145	0	0	0	
06.15-06.30	19	64	53	3	6	4	81	236	156	0	0	0	
06.30-06.45	17	71	56	1	4	6	88	221	165	0	1	0	
06.45-07.00	23	59	63	1	5	3	79	264	189	0	0	0	
Total	80	270	218	6	22	17	326	946	655	0	1	0	2541
06.15-06.30	19	64	53	3	6	4	81	236	156	0	0	0	
06.30-06.45	17	71	56	1	4	6	88	221	165	0	1	0	
06.45-07.00	23	59	63	1	5	3	79	264	189	0	0	0	
07.00-07.15	33	83	55	0	9	5	117	256	154	1	0	0	
Total	92	277	227	5	24	18	365	977	664	1	1	0	2651
06.30-06.45	17	71	56	1	4	6	88	221	165	0	1	0	
06.45-07.00	23	59	63	1	5	3	79	264	189	0	0	0	
07.00-07.15	33	83	55	0	9	5	117	256	154	1	0	0	
07.15-07.30	41	58	63	2	9	7	98	235	179	0	0	0	
Total	114	271	237	4	27	21	382	976	687	1	1	0	2721
06.45-07.00	23	59	63	1	5	3	79	264	189	0	0	0	
07.00-07.15	33	83	55	0	9	5	117	256	154	1	0	0	
07.15-07.30	41	58	63	2	9	7	98	235	179	0	0	0	
07.30-07.45	52	62	61	0	7	7	94	241	167	0	0	0	
Total	149	262	242	3	30	22	388	996	689	1	0	0	2782
07.00-07.15	33	83	55	0	9	5	117	256	154	1	0	0	
07.15-07.30	41	58	63	2	9	7	98	235	179	0	0	0	
07.30-07.45	52	62	61	0	7	7	94	241	167	0	0	0	
07.45-08.00	37	71	67	2	17	10	84	266	204	0	0	0	
Total	163	274	246	4	42	29	393	998	704	1	0	0	2854
07.15-07.30	41	58	63	2	9	7	98	235	179	0	0	0	
07.30-07.45	52	62	61	0	7	7	94	241	167	0	0	0	
07.45-08.00	37	71	67	2	17	10	84	266	204	0	0	0	
08.00-08.15	23	68	64	1	5	4	68	267	135	0	0	0	
Total	153	259	255	5	38	28	344	1009	685	0	0	0	2776
07.30-07.45	52	62	61	0	7	7	94	241	167	0	0	0	
07.45-08.00	37	71	67	2	17	10	84	266	204	0	0	0	
08.00-08.15	23	68	64	1	5	4	68	267	135	0	0	0	
08.15-08.30	26	71	66	3	5	3	75	234	133	0	0	0	
Total	138	272	258	6	34	24	321	1008	639	0	0	0	2700
07.45-08.00	37	71	67	2	17	10	84	266	204	0	0	0	
08.00-08.15	23	68	64	1	5	4	68	267	135	0	0	0	
08.15-08.30	26	71	66	3	5	3	75	234	133	0	0	0	
08.30-08.45	22	69	71	0	4	6	66	244	153	0	0	0	
Total	108	279	268	6	31	23	293	1011	625	0	0	0	2644
08.00-08.15	23	68	64	1	5	4	68	267	135	0	0	0	
08.15-08.30	26	71	66	3	5	3	75	234	133	0	0	0	
08.30-08.45	22	69	71	0	4	6	66	244	153	0	0	0	
08.45-09.00	19	58	58	0	7	4	79	256	139	0	0	0	
Total	90	266	259	4	21	17	288	1001	560	0	0	0	2506

11.00-11.15	31	47	44	2	5	0	56	156	166	0	0	0	
11.15-11.30	22	54	48	1	5	2	55	146	167	0	1	0	
11.30-11.45	28	68	56	0	7	4	67	155	153	0	1	0	
11.45-12.00	20	61	61	0	2	2	58	145	131	0	0	0	
Total	101	230	209	3	19	8	236	602	617	0	2	0	2027
11.15-11.30	22	54	48	1	5	2	55	146	167	0	1	0	
11.30-11.45	28	68	56	0	7	4	67	155	153	0	1	0	
11.45-12.00	20	61	61	0	2	2	58	145	131	0	0	0	
12.00-12.15	37	65	63	1	6	3	71	176	183	0	1	0	
Total	107	248	228	2	20	11	251	622	634	0	3	0	2126
11.30-11.45	28	68	56	0	7	4	67	155	153	0	1	0	
11.45-12.00	20	61	61	0	2	2	58	145	131	0	0	0	
12.00-12.15	37	65	63	1	6	3	71	176	183	0	1	0	
12.15-12.30	21	52	51	0	9	2	66	187	169	0	0	0	
Total	106	246	231	1	24	11	262	663	636	0	2	0	2182
11.45-12.00	20	61	61	0	2	2	58	145	131	0	0	0	
12.00-12.15	37	65	63	1	6	3	71	176	183	0	1	0	
12.15-12.30	21	52	51	0	9	2	66	187	169	0	0	0	
12.30-12.45	26	65	49	1	4	2	59	188	145	0	0	0	
Total	104	243	224	2	21	9	254	696	628	0	1	0	2182
12.00-12.15	37	65	63	1	6	3	71	176	183	0	1	0	
12.15-12.30	21	52	51	0	9	2	66	187	169	0	0	0	
12.30-12.45	26	65	49	1	4	2	59	188	145	0	0	0	
12.45-13.00	24	71	58	0	9	0	62	153	152	0	0	0	
Total	108	253	221	2	28	7	258	704	649	0	1	0	2231
12.15-12.30	21	52	51	0	9	2	66	187	169	0	0	0	
12.30-12.45	26	65	49	1	4	2	59	188	145	0	0	0	
12.45-13.00	24	71	58	0	9	0	62	153	152	0	0	0	
13.00-13.15	21	66	51	1	7	3	56	145	135	0	0	0	
Total	92	254	209	2	29	7	243	673	601	0	0	0	2110
12.30-12.45	26	65	49	1	4	2	59	188	145	0	0	0	
12.45-13.00	24	71	58	0	9	0	62	153	152	0	0	0	
13.00-13.15	21	66	51	1	7	3	56	145	135	0	0	0	
13.15-13.30	25	64	62	1	6	3	61	135	166	0	0	0	
Total	96	266	220	3	26	8	238	621	598	0	0	0	2076
12.45-13.00	24	71	58	0	9	0	62	153	152	0	0	0	
13.00-13.15	21	66	51	1	7	3	56	145	135	0	0	0	
13.15-13.30	25	64	62	1	6	3	61	135	166	0	0	0	
13.30-13.45	18	71	56	2	5	2	62	167	161	0	0	0	
Total	88	272	227	4	27	8	241	600	614	0	0	0	2081
13.00-13.15	21	66	51	1	7	3	56	145	135	0	0	0	
13.15-13.30	25	64	62	1	6	3	61	135	166	0	0	0	
13.30-13.45	18	71	56	2	5	2	62	167	161	0	0	0	
13.45-14.00	19	58	58	0	7	0	53	145	152	0	0	0	
Total	83	259	227	4	25	8	232	592	614	0	0	0	2044

15.00-15.15	18	125	79	1	3	4	87	245	278	1	0	0	
15.15-15.30	15	131	127	1	4	3	79	256	276	1	0	0	
15.30-15.45	21	113	114	0	8	7	97	232	288	0	1	0	
15.45-16.00	23	127	121	0	7	5	93	247	297	0	0	0	
Total	77	496	441	2	22	19	356	980	1139	2	1	0	3535
15.15-15.30	15	131	127	1	4	3	79	256	276	1	0	0	
15.30-15.45	21	113	114	0	8	7	97	232	288	0	1	0	
15.45-16.00	23	127	121	0	7	5	93	247	297	0	0	0	
16.00-16.15	28	151	98	2	9	6	102	334	255	0	0	0	
Total	87	522	460	3	28	21	371	1069	1116	1	1	0	3679
15.30-15.45	21	113	114	0	8	7	97	232	288	0	1	0	
15.45-16.00	23	127	121	0	7	5	93	247	297	0	0	0	
16.00-16.15	28	151	98	2	9	6	102	334	255	0	0	0	
16.15-16.30	21	121	106	0	13	2	112	279	276	2	0	0	
Total	93	512	439	2	37	20	404	1092	1116	2	1	0	3718
15.45-16.00	23	127	121	0	7	5	93	247	297	0	0	0	
16.00-16.15	28	151	98	2	9	6	102	334	255	0	0	0	
16.15-16.30	21	121	106	0	13	2	112	279	276	2	0	0	
16.30-16.45	18	152	147	1	7	6	109	298	279	0	0	0	
Total	90	551	472	3	36	19	416	1158	1107	2	0	0	3854
16.00-16.15	28	151	98	2	9	6	102	334	255	0	0	0	
16.15-16.30	21	121	106	0	13	2	112	279	276	2	0	0	
16.30-16.45	18	152	147	1	7	6	109	298	279	0	0	0	
16.45-17.00	21	99	103	2	10	8	95	275	312	0	0	0	
Total	88	523	454	5	39	22	418	1186	1122	2	0	0	3859
16.15-16.30	21	121	106	0	13	2	112	279	276	2	0	0	
16.30-16.45	18	152	147	1	7	6	109	298	279	0	0	0	
16.45-17.00	21	99	103	2	10	8	95	275	312	0	0	0	
17.00-17.15	31	123	109	4	12	4	114	214	225	0	0	0	
Total	91	495	465	7	42	20	430	1066	1092	2	0	0	3710
16.30-16.45	18	152	147	1	7	6	109	298	279	0	0	0	
16.45-17.00	21	99	103	2	10	8	95	275	312	0	0	0	
17.00-17.15	31	123	109	4	12	4	114	214	225	0	0	0	
17.15-17.30	28	116	112	4	8	6	121	216	228	0	0	0	
Total	98	490	471	11	37	24	439	1003	1044	0	0	0	3617
16.45-17.00	21	99	103	2	10	8	95	275	312	0	0	0	
17.00-17.15	31	123	109	4	12	4	114	214	225	0	0	0	
17.15-17.30	28	116	112	4	8	6	121	216	228	0	0	0	
17.30-17.45	25	137	116	2	11	3	113	233	232	0	0	0	
Total	105	475	440	12	41	21	443	938	997	0	0	0	3472
17.00-17.15	31	123	109	4	12	4	114	214	225	0	0	0	
17.15-17.30	28	116	112	4	8	6	121	216	228	0	0	0	
17.30-17.45	25	137	116	2	11	3	113	233	232	0	0	0	
17.45-18.00	24	136	116	1	10	6	109	245	278	0	0	0	
Total	108	512	453	11	41	19	457	908	963	0	0	0	3472

Hari Kamis Jalan Kenjeran (Barat)													
Tanggal : 23 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	25	65	14	25	17	4	68	145	67	0	0	0	
06.15-06.30	28	71	16	21	22	2	58	167	59	0	0	0	
06.30-06.45	38	63	22	19	16	4	61	155	68	0	0	0	
06.45-07.00	31	68	18	17	24	3	49	187	89	0	0	0	
Total	122	267	70	82	79	13	236	654	283	0	0	0	1806
06.15-06.30	28	71	16	21	22	2	58	167	59	0	0	0	
06.30-06.45	38	63	22	19	16	4	61	155	68	0	0	0	
06.45-07.00	31	68	18	17	24	3	49	187	89	0	0	0	
07.00-07.15	48	47	21	19	16	3	89	176	63	0	1	0	
Total	145	249	77	76	78	12	257	685	279	0	1	0	1859
06.30-06.45	38	63	22	19	16	4	61	155	68	0	0	0	
06.45-07.00	31	68	18	17	24	3	49	187	89	0	0	0	
07.00-07.15	48	47	21	19	16	3	89	176	63	0	1	0	
07.15-07.30	54	69	15	21	21	2	79	168	58	0	0	0	
Total	171	247	76	76	77	12	278	686	278	0	1	0	1902
06.45-07.00	31	68	18	17	24	3	49	187	89	0	0	0	
07.00-07.15	48	47	21	19	16	3	89	176	63	0	1	0	
07.15-07.30	54	69	15	21	21	2	79	168	58	0	0	0	
07.30-07.45	42	53	22	16	15	6	88	166	72	0	0	0	
Total	175	237	76	73	76	14	305	697	282	0	1	0	1936
07.00-07.15	48	47	21	19	16	3	89	176	63	0	1	0	
07.15-07.30	54	69	15	21	21	2	79	168	58	0	0	0	
07.30-07.45	42	53	22	16	15	6	88	166	72	0	0	0	
07.45-08.00	51	76	16	25	21	3	91	189	49	0	0	0	
Total	195	245	74	81	73	14	347	699	242	0	1	0	1971
07.15-07.30	54	69	15	21	21	2	79	168	58	0	0	0	
07.30-07.45	42	53	22	16	15	6	88	166	72	0	0	0	
07.45-08.00	51	76	16	25	21	3	91	189	49	0	0	0	
08.00-08.15	36	73	15	17	31	4	67	148	56	0	0	0	
Total	183	271	68	79	88	15	325	671	235	0	0	0	1935
07.30-07.45	42	53	22	16	15	6	88	166	72	0	0	0	
07.45-08.00	51	76	16	25	21	3	91	189	49	0	0	0	
08.00-08.15	36	73	15	17	31	4	67	148	56	0	0	0	
08.15-08.30	48	66	24	25	22	3	87	145	65	0	0	0	
Total	177	268	77	83	89	16	333	648	242	0	0	0	1933
07.45-08.00	51	76	16	25	21	3	91	189	49	0	0	0	
08.00-08.15	36	73	15	17	31	4	67	148	56	0	0	0	
08.15-08.30	48	66	24	25	22	3	87	145	65	0	0	0	
08.30-08.45	37	71	16	31	21	3	76	161	47	0	0	0	
Total	172	286	71	98	95	13	321	643	217	0	0	0	1916
08.00-08.15	36	73	15	17	31	4	67	148	56	0	0	0	
08.15-08.30	48	66	24	25	22	3	87	145	65	0	0	0	
08.30-08.45	37	71	16	31	21	3	76	161	47	0	0	0	
08.45-09.00	51	73	19	22	19	4	112	178	59	0	0	0	
Total	172	283	74	95	93	14	342	632	227	0	0	0	1932

11.00-11.15	25	36	14	26	17	4	47	134	45	0	0	0	
11.15-11.30	36	45	18	27	21	6	57	121	36	0	0	0	
11.30-11.45	28	44	23	31	26	3	58	117	48	0	0	0	
11.45-12.00	41	51	17	24	19	3	41	107	44	0	1	0	
Total	130	176	72	108	83	16	203	479	173	0	1	0	1441
11.15-11.30	36	45	18	27	21	6	57	121	36	0	0	0	
11.30-11.45	28	44	23	31	26	3	58	117	48	0	0	0	
11.45-12.00	41	51	17	24	19	3	41	107	44	0	1	0	
12.00-12.15	45	46	19	21	31	3	65	121	54	0	1	0	
Total	150	186	77	103	97	15	221	466	182	0	2	0	1499
11.30-11.45	28	44	23	31	26	3	58	117	48	0	0	0	
11.45-12.00	41	51	17	24	19	3	41	107	44	0	1	0	
12.00-12.15	45	46	19	21	31	3	65	121	54	0	1	0	
12.15-12.30	47	65	22	38	21	1	75	134	56	0	0	0	
Total	161	206	81	114	97	10	239	479	202	0	2	0	1591
11.45-12.00	41	51	17	24	19	3	41	107	44	0	1	0	
12.00-12.15	45	46	19	21	31	3	65	121	54	0	1	0	
12.15-12.30	47	65	22	38	21	1	75	134	56	0	0	0	
12.30-12.45	52	54	27	22	16	6	81	122	72	0	0	0	
Total	185	216	85	105	87	13	262	484	226	0	2	0	1665
12.00-12.15	45	46	19	21	31	3	65	121	54	0	1	0	
12.15-12.30	47	65	22	38	21	1	75	134	56	0	0	0	
12.30-12.45	52	54	27	22	16	6	81	122	72	0	0	0	
12.45-13.00	38	37	24	19	19	8	59	119	62	0	2	0	
Total	182	202	92	100	87	18	280	496	244	0	3	0	1704
12.15-12.30	47	65	22	38	21	1	75	134	56	0	0	0	
12.30-12.45	52	54	27	22	16	6	81	122	72	0	0	0	
12.45-13.00	38	37	24	19	19	8	59	119	62	0	2	0	
13.00-13.15	27	45	16	32	16	4	72	108	47	0	0	0	
Total	164	201	89	111	72	19	287	483	237	0	2	0	1665
12.30-12.45	52	54	27	22	16	6	81	122	72	0	0	0	
12.45-13.00	38	37	24	19	19	8	59	119	62	0	2	0	
13.00-13.15	27	45	16	32	16	4	72	108	47	0	0	0	
13.15-13.30	29	36	18	27	22	6	57	114	56	0	0	0	
Total	146	172	85	100	73	24	269	463	237	0	2	0	1571
12.45-13.00	38	37	24	19	19	8	59	119	62	0	2	0	
13.00-13.15	27	45	16	32	16	4	72	108	47	0	0	0	
13.15-13.30	29	36	18	27	22	6	57	114	56	0	0	0	
13.30-13.45	35	51	24	31	21	3	78	112	42	1	0	0	
Total	129	169	82	109	78	21	266	453	207	1	2	0	1517
13.00-13.15	27	45	16	32	16	4	72	108	47	0	0	0	
13.15-13.30	29	36	18	27	22	6	57	114	56	0	0	0	
13.30-13.45	35	51	24	31	21	3	78	112	42	1	0	0	
13.45-14.00	48	61	17	28	18	5	68	125	39	0	0	0	
Total	139	193	75	118	77	18	275	459	184	1	0	0	1539

15.00-15.15	45	36	19	25	12	2	115	125	89	0	0	0	
15.15-15.30	25	46	23	26	15	3	121	121	97	0	0	0	
15.30-15.45	31	41	25	28	13	1	89	116	93	0	0	0	
15.45-16.00	27	29	17	17	11	2	128	109	88	0	0	0	
Total	128	152	84	96	51	8	453	471	367	0	0	0	1810
15.15-15.30	25	46	23	26	15	3	121	121	97	0	0	0	
15.30-15.45	31	41	25	28	13	1	89	116	93	0	0	0	
15.45-16.00	27	29	17	17	11	2	128	109	88	0	0	0	
16.00-16.15	36	36	14	16	16	2	121	127	67	0	1	0	
Total	119	152	79	87	55	8	459	473	345	0	1	0	1778
15.30-15.45	31	41	25	28	13	1	89	116	93	0	0	0	
15.45-16.00	27	29	17	17	11	2	128	109	88	0	0	0	
16.00-16.15	36	36	14	16	16	2	121	127	67	0	1	0	
16.15-16.30	27	44	17	23	11	1	131	116	57	0	0	0	
Total	121	150	73	84	51	6	469	468	305	0	1	0	1728
15.45-16.00	27	29	17	17	11	2	128	109	88	0	0	0	
16.00-16.15	36	36	14	16	16	2	121	127	67	0	1	0	
16.15-16.30	27	44	17	23	11	1	131	116	57	0	0	0	
16.30-16.45	31	35	23	21	14	1	118	126	71	0	0	0	
Total	121	144	71	77	52	6	498	478	283	0	1	0	1731
16.00-16.15	36	36	14	16	16	2	121	127	67	0	1	0	
16.15-16.30	27	44	17	23	11	1	131	116	57	0	0	0	
16.30-16.45	31	35	23	21	14	1	118	126	71	0	0	0	
16.45-17.00	41	48	21	19	25	4	139	145	81	0	0	0	
Total	135	163	75	79	66	8	509	514	276	0	1	0	1826
16.15-16.30	27	44	17	23	11	1	131	116	57	0	0	0	
16.30-16.45	31	35	23	21	14	1	118	126	71	0	0	0	
16.45-17.00	41	48	21	19	25	4	139	145	81	0	0	0	
17.00-17.15	43	48	17	19	18	3	147	168	46	0	0	0	
Total	142	175	78	82	68	9	535	555	255	0	0	0	1899
16.30-16.45	31	35	23	21	14	1	118	126	71	0	0	0	
16.45-17.00	41	48	21	19	25	4	139	145	81	0	0	0	
17.00-17.15	43	48	17	19	18	3	147	168	46	0	0	0	
17.15-17.30	46	41	19	22	21	2	134	178	48	1	0	0	
Total	161	172	80	81	78	10	538	617	246	1	0	0	1984
16.45-17.00	41	48	21	19	25	4	139	145	81	0	0	0	
17.00-17.15	43	48	17	19	18	3	147	168	46	0	0	0	
17.15-17.30	46	41	19	22	21	2	134	178	48	1	0	0	
17.30-17.45	35	51	21	18	17	4	151	169	57	1	0	0	
Total	165	188	78	78	81	13	571	660	232	2	0	0	2068
17.00-17.15	43	48	17	19	18	3	147	168	46	0	0	0	
17.15-17.30	46	41	19	22	21	2	134	178	48	1	0	0	
17.30-17.45	35	51	21	18	17	4	151	169	57	1	0	0	
17.45-18.00	44	43	18	15	19	1	137	180	68	0	0	0	
Total	168	183	75	74	75	10	569	695	219	2	0	0	2070

Hari Kamis Jalan Kedung Cowek													
Tanggal : 23 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	21	89	45	2	22	21	245	234	212	0	0	0	
06.15-06.30	17	104	71	3	15	31	219	251	242	2	0	0	
06.30-06.45	21	93	61	1	19	16	233	276	221	1	1	0	
06.45-07.00	12	86	54	4	18	34	241	231	261	1	0	0	
Total	71	372	231	10	74	102	938	992	936	4	1	0	3731
06.15-06.30	17	104	71	3	15	31	219	251	242	2	0	0	
06.30-06.45	21	93	61	1	19	16	233	276	221	1	1	0	
06.45-07.00	12	86	54	4	18	34	241	231	261	1	0	0	
07.00-07.15	26	118	75	5	18	23	221	243	256	3	0	0	
Total	76	401	261	13	70	104	914	1001	980	7	1	0	3828
06.30-06.45	21	93	61	1	19	16	233	276	221	1	1	0	
06.45-07.00	12	86	54	4	18	34	241	231	261	1	0	0	
07.00-07.15	26	118	75	5	18	23	221	243	256	3	0	0	
07.15-07.30	28	106	87	6	13	33	257	251	287	3	0	0	
Total	87	403	277	16	68	106	952	1001	1025	8	1	0	3944
06.45-07.00	12	86	54	4	18	34	241	231	261	1	0	0	
07.00-07.15	26	118	75	5	18	23	221	243	256	3	0	0	
07.15-07.30	28	106	87	6	13	33	257	251	287	3	0	0	
07.30-07.45	17	104	77	2	19	23	253	265	265	2	0	0	
Total	83	414	293	17	68	113	972	990	1069	9	0	0	4028
07.00-07.15	26	118	75	5	18	23	221	243	256	3	0	0	
07.15-07.30	28	106	87	6	13	33	257	251	287	3	0	0	
07.30-07.45	17	104	77	2	19	23	253	265	265	2	0	0	
07.45-08.00	15	113	62	1	12	21	248	247	249	3	0	0	
Total	86	441	301	14	62	100	979	1006	1057	11	0	0	4057
07.15-07.30	28	106	87	6	13	33	257	251	287	3	0	0	
07.30-07.45	17	104	77	2	19	23	253	265	265	2	0	0	
07.45-08.00	15	113	62	1	12	21	248	247	249	3	0	0	
08.00-08.15	19	112	57	3	12	21	189	221	221	0	1	0	
Total	79	435	283	12	56	98	947	984	1022	8	1	0	3925
07.30-07.45	17	104	77	2	19	23	253	265	265	2	0	0	
07.45-08.00	15	113	62	1	12	21	248	247	249	3	0	0	
08.00-08.15	19	112	57	3	12	21	189	221	221	0	1	0	
08.15-08.30	15	105	67	2	19	24	195	231	245	0	1	0	
Total	66	434	263	8	62	89	885	964	980	5	2	0	3758
07.45-08.00	15	113	62	1	12	21	248	247	249	3	0	0	
08.00-08.15	19	112	57	3	12	21	189	221	221	0	1	0	
08.15-08.30	15	105	67	2	19	24	195	231	245	0	1	0	
08.30-08.45	23	102	74	6	21	18	212	225	231	0	0	0	
Total	72	432	260	12	64	84	844	924	946	3	2	0	3643
08.00-08.15	19	112	57	3	12	21	189	221	221	0	1	0	
08.15-08.30	15	105	67	2	19	24	195	231	245	0	1	0	
08.30-08.45	23	102	74	6	21	18	212	225	231	0	0	0	
08.45-09.00	17	96	58	1	18	17	215	245	194	0	0	0	
Total	74	415	256	12	70	80	811	922	891	0	2	0	3533

11.00-11.15	11	97	36	4	12	21	214	198	176	0	0	0	
11.15-11.30	16	121	28	1	7	15	175	167	158	0	0	0	
11.30-11.45	28	113	26	3	8	18	181	175	166	0	0	0	
11.45-12.00	18	104	33	6	5	23	199	182	193	0	0	0	
Total	73	435	123	14	32	77	769	722	693	0	0	0	2938
11.15-11.30	16	121	28	1	7	15	175	167	158	0	0	0	
11.30-11.45	28	113	26	3	8	18	181	175	166	0	0	0	
11.45-12.00	18	104	33	6	5	23	199	182	193	0	0	0	
12.00-12.15	25	101	56	2	10	26	245	155	224	1	0	0	
Total	87	439	143	12	30	82	800	679	741	1	0	0	3014
11.30-11.45	28	113	26	3	8	18	181	175	166	0	0	0	
11.45-12.00	18	104	33	6	5	23	199	182	193	0	0	0	
12.00-12.15	25	101	56	2	10	26	245	155	224	1	0	0	
12.15-12.30	38	127	49	4	19	30	242	196	201	0	0	0	
Total	109	445	164	15	42	97	867	708	784	1	0	0	3232
11.45-12.00	18	104	33	6	5	23	199	182	193	0	0	0	
12.00-12.15	25	101	56	2	10	26	245	155	224	1	0	0	
12.15-12.30	38	127	49	4	19	30	242	196	201	0	0	0	
12.30-12.45	43	109	58	9	11	63	230	192	143	2	0	0	
Total	124	441	196	21	45	142	916	725	761	3	0	0	3374
12.00-12.15	25	101	56	2	10	26	245	155	224	1	0	0	
12.15-12.30	38	127	49	4	19	30	242	196	201	0	0	0	
12.30-12.45	43	109	58	9	11	63	230	192	143	2	0	0	
12.45-13.00	39	116	65	7	9	71	244	177	198	0	0	0	
Total	145	453	228	22	49	190	961	720	766	3	0	0	3537
12.15-12.30	38	127	49	4	19	30	242	196	201	0	0	0	
12.30-12.45	43	109	58	9	11	63	230	192	143	2	0	0	
12.45-13.00	39	116	65	7	9	71	244	177	198	0	0	0	
13.00-13.15	26	89	46	3	11	43	214	125	145	0	0	0	
Total	146	441	218	23	50	207	930	690	687	2	0	0	3394
12.30-12.45	43	109	58	9	11	63	230	192	143	2	0	0	
12.45-13.00	39	116	65	7	9	71	244	177	198	0	0	0	
13.00-13.15	26	89	46	3	11	43	214	125	145	0	0	0	
13.15-13.30	31	114	52	2	6	27	208	132	175	0	0	0	
Total	139	428	221	21	37	204	896	626	661	2	0	0	3235
12.45-13.00	39	116	65	7	9	71	244	177	198	0	0	0	
13.00-13.15	26	89	46	3	11	43	214	125	145	0	0	0	
13.15-13.30	31	114	52	2	6	27	208	132	175	0	0	0	
13.30-13.45	22	96	38	2	4	36	201	138	195	0	0	0	
Total	118	415	201	14	30	177	867	572	713	0	0	0	3107
13.00-13.15	26	89	46	3	11	43	214	125	145	0	0	0	
13.15-13.30	31	114	52	2	6	27	208	132	175	0	0	0	
13.30-13.45	22	96	38	2	4	36	201	138	195	0	0	0	
13.45-14.00	25	103	57	4	9	22	311	156	142	0	0	0	
Total	104	402	193	11	30	128	934	551	657	0	0	0	3010



15.00-15.15	25	87	57	5	8	12	167	356	176	0	0	0	
15.15-15.30	18	112	68	7	4	8	215	431	190	0	0	0	
15.30-15.45	16	96	80	8	11	15	187	422	166	0	0	0	
15.45-16.00	19	81	54	3	4	10	202	341	211	0	0	0	
Total	78	376	259	23	27	45	771	1550	743	0	0	0	3872
15.15-15.30	18	112	68	7	4	8	215	431	190	0	0	0	
15.30-15.45	16	96	80	8	11	15	187	422	166	0	0	0	
15.45-16.00	19	81	54	3	4	10	202	341	211	0	0	0	
16.00-16.15	24	65	78	9	10	13	203	495	218	1	0	0	
Total	77	354	280	27	29	46	807	1689	785	1	0	0	4095
15.30-15.45	16	96	80	8	11	15	187	422	166	0	0	0	
15.45-16.00	19	81	54	3	4	10	202	341	211	0	0	0	
16.00-16.15	24	65	78	9	10	13	203	495	218	1	0	0	
16.15-16.30	19	71	87	5	12	16	209	503	211	3	0	0	
Total	78	313	299	25	37	54	801	1761	806	4	0	0	4178
15.45-16.00	19	81	54	3	4	10	202	341	211	0	0	0	
16.00-16.15	24	65	78	9	10	13	203	495	218	1	0	0	
16.15-16.30	19	71	87	5	12	16	209	503	211	3	0	0	
16.30-16.45	29	81	68	7	6	14	187	431	181	0	0	0	
Total	91	298	287	24	32	53	801	1770	821	4	0	0	4181
16.00-16.15	24	65	78	9	10	13	203	495	218	1	0	0	
16.15-16.30	19	71	87	5	12	16	209	503	211	3	0	0	
16.30-16.45	29	81	68	7	6	14	187	431	181	0	0	0	
16.45-17.00	24	72	74	4	6	16	190	387	222	0	0	0	
Total	96	289	307	25	34	59	789	1816	832	4	0	0	4251
16.15-16.30	19	71	87	5	12	16	209	503	211	3	0	0	
16.30-16.45	29	81	68	7	6	14	187	431	181	0	0	0	
16.45-17.00	24	72	74	4	6	16	190	387	222	0	0	0	
17.00-17.15	26	86	87	4	10	20	202	456	217	0	0	0	
Total	98	310	316	20	34	66	788	1777	831	3	0	0	4243
16.30-16.45	29	81	68	7	6	14	187	431	181	0	0	0	
16.45-17.00	24	72	74	4	6	16	190	387	222	0	0	0	
17.00-17.15	26	86	87	4	10	20	202	456	217	0	0	0	
17.15-17.30	23	67	68	5	8	17	189	479	221	0	1	0	
Total	102	306	297	20	30	67	768	1753	841	0	1	0	4185
16.45-17.00	24	72	74	4	6	16	190	387	222	0	0	0	
17.00-17.15	26	86	87	4	10	20	202	456	217	0	0	0	
17.15-17.30	23	67	68	5	8	17	189	479	221	0	1	0	
17.30-17.45	27	79	88	9	9	12	224	489	184	1	1	0	
Total	100	304	317	22	33	65	805	1811	844	1	2	0	4304
17.00-17.15	26	86	87	4	10	20	202	456	217	0	0	0	
17.15-17.30	23	67	68	5	8	17	189	479	221	0	1	0	
17.30-17.45	27	79	88	9	9	12	224	489	184	1	1	0	
17.45-18.00	29	75	71	7	18	19	179	514	236	1	0	0	
Total	105	307	314	25	45	68	794	1938	858	2	2	0	4458

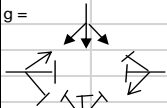
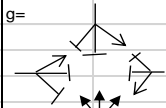
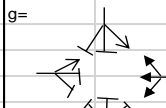
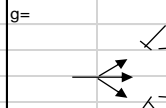
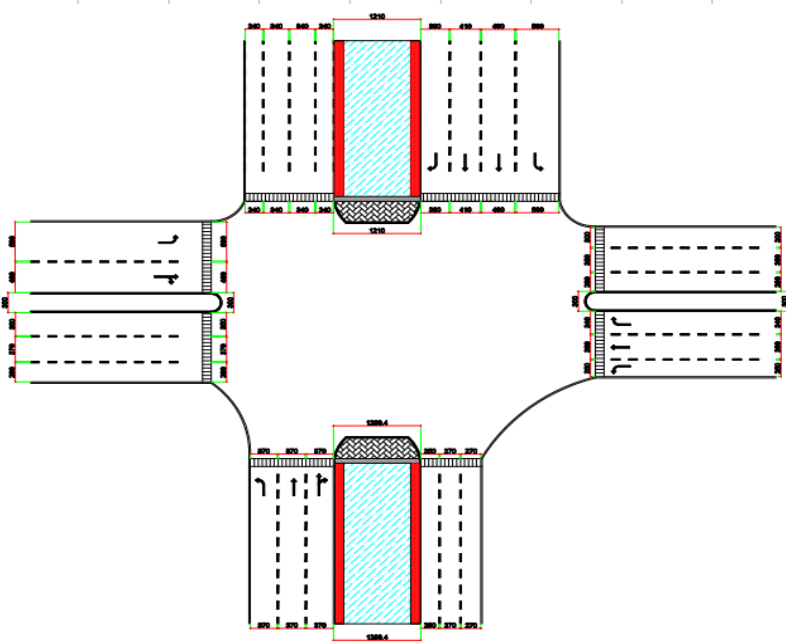
Hari Kamis Jalan Kenjeran (Timur)													
Tanggal : 23 Maret 2023													
Waktu	LV (Kend/Jam)			HV (Kend/Jam)			MC (Kend/Jam)			UM (Kend/Jam)			MV (Kend/Jam)
	LT	ST	RT	LT	ST	RT	LT	ST	RT	LT	ST	RT	
06.00-06.15	14	67	46	2	5	5	122	135	156	0	0	0	
06.15-06.30	21	58	56	1	8	7	114	154	143	0	0	0	
06.30-06.45	25	77	43	4	9	3	131	145	145	0	0	0	
06.45-07.00	19	64	61	2	6	3	127	137	121	0	0	0	
Total	79	266	206	9	28	18	494	571	565	0	0	0	2236
06.15-06.30	21	58	56	1	8	7	114	154	143	0	0	0	
06.30-06.45	25	77	43	4	9	3	131	145	145	0	0	0	
06.45-07.00	19	64	61	2	6	3	127	137	121	0	0	0	
07.00-07.15	37	63	64	3	7	4	96	154	155	0	1	0	
Total	102	262	224	10	30	17	468	590	564	0	1	0	2268
06.30-06.45	25	77	43	4	9	3	131	145	145	0	0	0	
06.45-07.00	19	64	61	2	6	3	127	137	121	0	0	0	
07.00-07.15	37	63	64	3	7	4	96	154	155	0	1	0	
07.15-07.30	32	58	71	3	8	9	117	164	162	0	0	0	
Total	113	262	239	12	30	19	471	600	583	0	1	0	2330
06.45-07.00	19	64	61	2	6	3	127	137	121	0	0	0	
07.00-07.15	37	63	64	3	7	4	96	154	155	0	1	0	
07.15-07.30	32	58	71	3	8	9	117	164	162	0	0	0	
07.30-07.45	27	61	64	7	4	8	104	166	173	0	0	0	
Total	115	246	260	15	25	24	444	621	611	0	1	0	2362
07.00-07.15	37	63	64	3	7	4	96	154	155	0	1	0	
07.15-07.30	32	58	71	3	8	9	117	164	162	0	0	0	
07.30-07.45	27	61	64	7	4	8	104	166	173	0	0	0	
07.45-08.00	19	44	57	4	3	8	106	172	143	0	0	0	
Total	115	226	256	17	22	29	423	656	633	0	1	0	2378
07.15-07.30	32	58	71	3	8	9	117	164	162	0	0	0	
07.30-07.45	27	61	64	7	4	8	104	166	173	0	0	0	
07.45-08.00	19	44	57	4	3	8	106	172	143	0	0	0	
08.00-08.15	24	54	58	5	7	6	67	134	145	0	0	0	
Total	102	217	250	19	22	31	394	636	623	0	0	0	2294
07.30-07.45	27	61	64	7	4	8	104	166	173	0	0	0	
07.45-08.00	19	44	57	4	3	8	106	172	143	0	0	0	
08.00-08.15	24	54	58	5	7	6	67	134	145	0	0	0	
08.15-08.30	32	48	62	3	9	8	87	125	133	0	0	0	
Total	102	207	241	19	23	30	364	597	594	0	0	0	2177
07.45-08.00	19	44	57	4	3	8	106	172	143	0	0	0	
08.00-08.15	24	54	58	5	7	6	67	134	145	0	0	0	
08.15-08.30	32	48	62	3	9	8	87	125	133	0	0	0	
08.30-08.45	41	68	51	6	11	4	112	145	125	0	0	0	
Total	116	214	228	18	30	26	372	576	546	0	0	0	2126
08.00-08.15	24	54	58	5	7	6	67	134	145	0	0	0	
08.15-08.30	32	48	62	3	9	8	87	125	133	0	0	0	
08.30-08.45	41	68	51	6	11	4	112	145	125	0	0	0	
08.45-09.00	28	64	63	2	12	2	105	122	136	0	0	0	
Total	125	234	234	16	39	20	371	526	539	0	0	0	2104

11.00-11.15	26	34	42	3	6	6	32	132	111	0	0	0	
11.15-11.30	34	32	38	1	5	8	46	141	89	0	0	0	
11.30-11.45	24	45	31	1	7	5	43	154	124	0	0	0	
11.45-12.00	31	52	26	2	11	4	36	122	117	0	0	0	
Total	115	163	137	7	29	23	157	549	441	0	0	0	1621
11.15-11.30	34	32	38	1	5	8	46	141	89	0	0	0	
11.30-11.45	24	45	31	1	7	5	43	154	124	0	0	0	
11.45-12.00	31	52	26	2	11	4	36	122	117	0	0	0	
12.00-12.15	31	45	43	1	8	6	35	135	105	0	0	0	
Total	120	174	138	5	31	23	160	552	435	0	0	0	1638
11.30-11.45	24	45	31	1	7	5	43	154	124	0	0	0	
11.45-12.00	31	52	26	2	11	4	36	122	117	0	0	0	
12.00-12.15	31	45	43	1	8	6	35	135	105	0	0	0	
12.15-12.30	49	55	35	2	10	3	53	122	115	0	0	0	
Total	135	197	135	6	36	18	167	533	461	0	0	0	1688
11.45-12.00	31	52	26	2	11	4	36	122	117	0	0	0	
12.00-12.15	31	45	43	1	8	6	35	135	105	0	0	0	
12.15-12.30	49	55	35	2	10	3	53	122	115	0	0	0	
12.30-12.45	37	41	42	5	14	10	31	118	95	0	0	0	
Total	148	193	146	10	43	23	155	497	432	0	0	0	1647
12.00-12.15	31	45	43	1	8	6	35	135	105	0	0	0	
12.15-12.30	49	55	35	2	10	3	53	122	115	0	0	0	
12.30-12.45	37	41	42	5	14	10	31	118	95	0	0	0	
12.45-13.00	29	38	33	2	12	6	67	165	103	0	0	0	
Total	146	179	153	10	44	25	186	540	418	0	0	0	1701
12.15-12.30	49	55	35	2	10	3	53	122	115	0	0	0	
12.30-12.45	37	41	42	5	14	10	31	118	95	0	0	0	
12.45-13.00	29	38	33	2	12	6	67	165	103	0	0	0	
13.00-13.15	34	34	46	2	8	5	43	122	89	0	0	0	
Total	149	168	156	11	44	24	194	527	402	0	0	0	1675
12.30-12.45	37	41	42	5	14	10	31	118	95	0	0	0	
12.45-13.00	29	38	33	2	12	6	67	165	103	0	0	0	
13.00-13.15	34	34	46	2	8	5	43	122	89	0	0	0	
13.15-13.30	46	42	33	2	9	4	45	114	96	0	0	0	
Total	146	155	154	11	43	25	186	519	383	0	0	0	1622
12.45-13.00	29	38	33	2	12	6	67	165	103	0	0	0	
13.00-13.15	34	34	46	2	8	5	43	122	89	0	0	0	
13.15-13.30	46	42	33	2	9	4	45	114	96	0	0	0	
13.30-13.45	48	35	42	6	12	7	51	128	112	0	0	0	
Total	157	149	154	12	41	22	206	529	400	0	0	0	1670
13.00-13.15	34	34	46	2	8	5	43	122	89	0	0	0	
13.15-13.30	46	42	33	2	9	4	45	114	96	0	0	0	
13.30-13.45	48	35	42	6	12	7	51	128	112	0	0	0	
13.45-14.00	25	49	31	2	13	9	36	131	107	0	0	0	
Total	153	160	152	12	42	25	175	495	404	0	0	0	1618

15.00-15.15	48	36	65	1	7	5	124	198	176	0	0	0	
15.15-15.30	35	58	58	2	8	8	118	176	168	0	0	0	
15.30-15.45	41	42	66	2	4	9	108	169	156	0	0	0	
15.45-16.00	28	49	74	1	7	3	95	190	148	0	0	0	
Total	152	185	263	6	26	25	445	733	648	0	0	0	2483
15.15-15.30	35	58	58	2	8	8	118	176	168	0	0	0	
15.30-15.45	41	42	66	2	4	9	108	169	156	0	0	0	
15.45-16.00	28	49	74	1	7	3	95	190	148	0	0	0	
16.00-16.15	26	51	45	3	12	7	113	213	189	0	1	0	
Total	130	200	243	8	31	27	434	748	661	0	1	0	2483
15.30-15.45	41	42	66	2	4	9	108	169	156	0	0	0	
15.45-16.00	28	49	74	1	7	3	95	190	148	0	0	0	
16.00-16.15	26	51	45	3	12	7	113	213	189	0	1	0	
16.15-16.30	38	36	56	2	9	9	124	225	196	0	0	0	
Total	133	178	241	8	32	28	440	797	689	0	1	0	2547
15.45-16.00	28	49	74	1	7	3	95	190	148	0	0	0	
16.00-16.15	26	51	45	3	12	7	113	213	189	0	1	0	
16.15-16.30	38	36	56	2	9	9	124	225	196	0	0	0	
16.30-16.45	32	49	61	4	11	7	108	217	179	1	0	0	
Total	124	185	236	10	39	26	440	845	712	1	1	0	2619
16.00-16.15	26	51	45	3	12	7	113	213	189	0	1	0	
16.15-16.30	38	36	56	2	9	9	124	225	196	0	0	0	
16.30-16.45	32	49	61	4	11	7	108	217	179	1	0	0	
16.45-17.00	44	56	66	2	9	6	98	209	188	0	0	0	
Total	140	192	228	11	41	29	443	864	752	1	1	0	2702
16.15-16.30	38	36	56	2	9	9	124	225	196	0	0	0	
16.30-16.45	32	49	61	4	11	7	108	217	179	1	0	0	
16.45-17.00	44	56	66	2	9	6	98	209	188	0	0	0	
17.00-17.15	42	46	58	3	8	15	108	211	165	1	1	0	
Total	156	187	241	11	37	37	438	862	728	2	1	0	2700
16.30-16.45	32	49	61	4	11	7	108	217	179	1	0	0	
16.45-17.00	44	56	66	2	9	6	98	209	188	0	0	0	
17.00-17.15	42	46	58	3	8	15	108	211	165	1	1	0	
17.15-17.30	51	68	69	5	11	10	96	189	147	0	0	0	
Total	169	219	254	14	39	38	410	826	679	2	1	0	2651
16.45-17.00	44	56	66	2	9	6	98	209	188	0	0	0	
17.00-17.15	42	46	58	3	8	15	108	211	165	1	1	0	
17.15-17.30	51	68	69	5	11	10	96	189	147	0	0	0	
17.30-17.45	34	41	64	3	9	19	116	176	174	0	0	1	
Total	171	211	257	13	37	50	418	785	674	1	1	1	2619
17.00-17.15	42	46	58	3	8	15	108	211	165	1	1	0	
17.15-17.30	51	68	69	5	11	10	96	189	147	0	0	0	
17.30-17.45	34	41	64	3	9	19	116	176	174	0	0	1	
17.45-18.00	33	36	45	2	10	13	95	202	155	0	1	0	
Total	160	191	236	13	38	57	415	778	641	1	2	1	2533

## LAMPIRAN II

### Formulir SIG-I

SIMPANG BERSINYAL		Tanggal:		Ditangani oleh: Daffa						
Formulir SIG-I:		Kota: Surabaya								
GEOMETRI		Simpang: Kenjeran								
PENGATURAN LALU-LINTAS		Ukuran kota: Metropolitan (2.9 juta)								
LINGKUNGAN		Komersial								
		Periode: Jam puncak pagi - sore								
FASE SINYAL YANG ADA										
g =  IG = Fase 1	g =  IG = Fase 2	g =  IG = Fase 3	g =  IG = Fase 4	Waktu siklus: c =	Waktu hilang total LTI = ΣIG = 16					
										
Kode pendekat	Tipe lingkungan	Hambatan samping	Median Ya/Tidak	Kelandaian +/- %	Belok kiri langsung Ya/Tdk	Jarak ke kend. parkir	Pendekat WA	Masuk WMASUK	Belok kiri langsung WLTOR	Keluar WKELUAR
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
U	COM	TINGGI	Y	0%	Y		18.5	12.60	5.90	8.20
S	COM	TINGGI	Y	0%	T		11.1	11.10	-	11.60
T	COM	TINGGI	Y	0%	Y		9.5	7.00	2.50	10.10
B	COM	TINGGI	Y	0%	Y		10.5	4.60	5.90	9.50

## LAMPIRAN III

### Formulir SIG-II

SIMPANG BERSINYAL		Tanggal : 21 Maret 2023		Ditangani oleh: Daiffa														
Formulir SIG-II:		Kota: Surabaya		Perihal : 4-fase														
ARUS LALU-LINTAS		Simpang: Kenjeran		Periode: Jam puncak Pagi														
		ARUS LALU-LINTAS KENDARAAN BERMOTOR				KEND. TAK BERMOTOR												
Kode pendekat	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok	Arus UM	Rasio UM/MW						
		emp terlindung = kend/jam	1.0 emp terlindung = kend/jam	1.0 emp terlindung = kend/jam	1.3 emp terlindung = kend/jam	1.3 emp terlindung = kend/jam	0.2 Terlindung Terlawan	0.4 Terlindung Terlawan	total MW									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
U	LT/LTOR	77	77	13	17	1270	254	348	0.30	9	9	9	9	0.30	9	9	9	9
ST		456	456	67	87	1140	228	1663	771	0	0	0	0	0	0	0	0	0
RT		356	356	152	197.6	1018	204	1526	757	0.34	1	1	1	0.34	1	1	1	1
Total		889	889	232	302	3428	686	4549	1876	10	10	10	10	10	10	10	10	10
S	LT/LTOR	118	118	3	4	349	70	470	192	0.17	2	2	2	0.17	2	2	2	2
ST		227	227	37	48	1105	221	1369	496	3	3	3	3	3	3	3	3	3
RT		166	166	36	47	784	157	986	370	0.35	0	0	0	0.35	0	0	0	0
Total		511	511	76	99	2238	448	2825	1057	5	5	5	5	5	5	5	5	5
T	LT/LTOR	147	147	16	21	440	88	603	256	0.24	4	4	4	0.24	4	4	4	4
ST		196	196	47	61	737	147	980	405	1	1	1	1	1	1	1	1	1
RT		180	180	34	44	703	141	917	365	0.37	0	0	0	0.37	0	0	0	0
Total		523	523	97	126	1880	376	2500	1025	5	5	5	5	5	5	5	5	5
B	LT/LTOR	124	124	28	36	342	68	494	229	0.25	2	2	2	0.25	2	2	2	2
ST		126	126	40	52	986	197	1152	375	2	2	2	2	2	2	2	2	2
RT		39	39	12	16	242	48	293	103	0.15	0	0	0	0.15	0	0	0	0
Total		289	289	80	104	1570	314	1939	707	4	4	4	4	4	4	4	4	4

SIMPANG BERSINYAL		Tanggal : 21 Maret 2023		Ditangani oleh: Daffa													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Siang													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR															
Kode	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok		Arus UM	Rasio UM/MV				
		emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	total MV	P.LT			P.RT			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	169	169	29	38	926	185	1124	392	0.32	1						
	ST	430	430	57	74	767	153	1254	658		3						
	RT	236	236	181	235.3	706	141	1123	613		0			0.32			
	Total	835	835	267	347	2399	480	3501.0	1661.90		4						0.001
S	LT/LTOR	120	120	2	3	256	51	378	174	0.16	0						
	ST	272	272	27	35	880	176	1179	483		1						
	RT	194	194	7	9	592	118	793	322		0			0.34			
	Total	586	586	36	47	1728	346	2350.0	978.40		1						0.000
T	LT/LTOR	68	68	8	10	229	46	305	124	0.17	1						
	ST	183	183	37	48	554	111	774	342		0						
	RT	169	169	35	46	539	108	743	322		0			0.41			
	Total	420	420	80	104	1322	264	1822	788.40		1						0.001
B	LT/LTOR	65	65	25	33	256	51	346	149	0.23	0						
	ST	147	147	39	51	682	136	868	334		0						
	RT	67	67	7	9	237	47	311	124		0			0.20			
	Total	279	279	71	92	1175	235	1525	606.30		0						0.000

SIMPANG BERSINYAL		Tanggal : 21 Maret 2023		Ditangani oleh: Dafia													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Sore													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR		END. TAK BERMOTO													
Kode	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok		Arus UM	Rasio UM/MV				
		emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	1.0 emp terlindung = 1.0 emp terlawan =	kend/jam Terlindung Terlawan	1.3 emp terlindung = 1.3 emp terlawan =	kend/jam Terlindung Terlawan	smp/jam Terlindung Terlawan	0.2 0.4	total MV	p.LT			p.RT			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	124	124	33	43	862	172	1019	339	0.22							
	ST	338	338	36	47	1939	388	2313	773								
	RT	400	400	87	113.1	906	181	1393	694					0.29			
	Total	862	862	156	203	3707	741	4725	1806								7
S	LT/LTOR	107	107	12	16	348	70	467	192	0.12							
	ST	527	527	57	74	1545	309	2129	910								
	RT	347	347	14	18	988	198	1349	563					0.34			
	Total	981	981	83	108	2881	576	3945	1665								3
T	LT/LTOR	162	162	10	13	526	105	698	280	0.23							
	ST	243	243	37	48	923	185	1203	476								
	RT	168	168	60	78	864	173	1092	419					0.36			
	Total	573	573	107	139	2313	463	2993	1175								4
B	LT/LTOR	133	133	51	66	495	99	679	298	0.34							
	ST	234	234	43	56	711	142	988	432								
	RT	60	60	8	10	239	48	307	118					0.16			
	Total	427	427	102	133	1445	289	1974	849								2



SIMPANG BERSINYAL		Tanggal : 22 Maret 2023		Diangani oleh: Dafia													
Formulir SIG-II:		Koa: Surabaya		Perihal : 4-lase													
ARUS LALU-LINTAS		Simpang: Kenjeran		Periode: Jam puncak Pagi													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR										END. TAK BERMOTOR					
Kode	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor total		Rasio berbelok		Arus		Rasio UM/MV			
		emp. terlindung = emp. terlawan =	kend./jam Terlindung/ Terlawan	1.0 emp terlindung = 1.0 emp terlawan =	kend./jam Terlindung/ Terlawan	1.3 emp terlindung = 1.3 emp terlawan =	kend./jam Terlindung/ Terlawan	smp/jam Terlindung/ Terlawan	kend./jam Terlindung/ Terlawan	emp/jam Terlindung/ Terlawan	1.3 emp terlindung = 1.3 emp terlawan =	kend./jam Terlindung/ Terlawan	p.LT		p.RT	UM	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	68	68	12	16	919	184	999	267	0.24	9						
	ST	455	455	63	82	1063	213	1581	750		1						
	RT	307	307	105	137	1097	219	1509	663	0.37	1						
	Total	830	830	180	234	3079	616	4089	1680		11						0.003
S	LT/LTOR	142	142	5	7	325	65	472	214	0.17	2						
	ST	284	284	49	64	1058	212	1391	559		2						
	RT	242	242	22	29	643	129	907	399	0.33	0						
	Total	668	668	76	99	2026	405	2770	1172		4						0.001
T	LT/LTOR	186	186	13	17	462	92	661	295	0.27	0						
	ST	218	218	65	85	679	136	962	438		0						
	RT	254	254	30	39	576	115	860	408	0.35	0						
	Total	658	658	108	140	1717	343	2483	1142		0						0.000
B	LT/LTOR	225	225	83	108	376	75	684	408	0.34	0						
	ST	205	205	75	98	739	148	1019	450		2						
	RT	48	48	12	16	272	54	332	118	0.16	0						
	Total	478	478	170	221	1387	277	2035	976		2						0.001

SIMPANG BERSINYAL		Tanggal : 22 Maret 2023		Ditangani oleh: Dafda													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Siang													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR										END. TAK BERMOTOR					
Kode	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok		Arus	Rasio				
		emp terlindung =	emp terlawan =	emp terlindung =	emp terlawan =	1.3 emp terlindung =	1.3 emp terlawan =	total	total	p <sub>LT</sub>	p <sub>RT</sub>	UM	UM/MV				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
		kend/jam	Terlindung	smp/jam	kend/jam	Terlindung	smp/jam	kend/jam	Terlindung	smp/jam	kend/jam	Terlindung	smp/jam	kend/jam			
U	LT/LTOR	154	154	21	27	1009	202	1184	383	0.35		4					
	ST	430	430	59	77	661	132	1150	639			1					
	RT	230	230	151	196.3	660	132	1041	558			0	0.31				
	Total	814	814	231	300	2330	466	3375	1580			5	0.001				
S	LT/LTOR	121	121	6	8	257	51	384	180	0.17		1					
	ST	247	247	30	39	872	174	1149	460			0					
	RT	176	176	19	25	547	109	742	310			0	0.33				
	Total	544	544	55	72	1676	335	2275	951			1	0.000				
T	LT/LTOR	144	144	4	5	190	38	338	187	0.19		0					
	ST	139	139	72	94	541	108	752	341			0					
	RT	198	198	29	38	481	96	708	332			0	0.39				
	Total	481	481	105	137	1212	242	1798	860			0	0.000				
B	LT/LTOR	147	147	51	66	257	51	455	265	0.29		1					
	ST	186	186	77	100	604	121	867	407			0					
	RT	78	78	13	17	178	36	269	131			0	0.17				
	Total	411	411	141	183	1039	208	1591	802			1	0.001				

SIMPANG BERSINYAL		Tanggal : 22 Maret 2023		Diangani oleh: Data													
Formulir SIG-I:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4fase													
				Periode: Jam puncak Sore													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR		END. TAK BERMOTOR													
Kode	Arah	Kendaraan ringan (LV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok		Arus UM	Rasio UM/MV						
		emp terlindung = kend/jam	1.0 emp terlindung = kend/jam	1.3 emp terlindung = kend/jam	1.3 emp terlindung = kend/jam	emp total	emp total	p <sub>LT</sub>	p <sub>RT</sub>								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	102	102	22	29	781	156	905	287	0.20	5						
	ST	337	337	45	59	1894	379	2276	774		0						
	RT	328	328	74	96.2	861	172	1263	596		0			0.28			
	Total	767	767	141	183	3536	707	4444	1658		5						0.001
S	LT/LTOR	77	77	6	8	350	70	433	155	0.11	3						
	ST	550	550	37	48	1314	263	1901	861		1						
	RT	382	382	20	26	1035	207	1437	615		0			0.38			
	Total	1009	1009	63	82	2699	540	3771	1631		4						0.001
T	LT/LTOR	202	202	6	8	499	100	707	310	0.24	3						
	ST	231	231	30	39	877	175	1138	445		0						
	RT	178	178	36	47	834	167	1048	392		0			0.36			
	Total	611	611	72	94	2210	442	2893	1147		3						0.001
B	LT/LTOR	174	174	90	117	535	107	799	398	0.39	0						
	ST	193	193	70	91	688	138	951	422		3						
	RT	99	99	17	22	162	32	278	154		0			0.14			
	Total	466	466	177	230	1385	277	2028	973		3						0.001

SIMPANG BERSINYAL		Tanggal : 23 Maret 2023		Diangani oleh: Dafifa													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Pagi													
ARUS LALU-LINTAS KENDARAAN BERMOTOR																	
Kode pendekatan	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor total		Rasio berbelok		Arus UM	Rasio UM/MV				
		emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	1.0 emp terlindung = 1.0 emp terlawan =	kend/jam Terlindung Terlawan	1.3 emp terlindung = 1.3 emp terlawan =	kend/jam Terlindung Terlawan	0.2 0.4	smp/jam Terlindung Terlawan	p <sub>LT</sub> p <sub>RT</sub>	kend/jam						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	86	86	14	18	196	1079	300	0.27			11					
	ST	441	441	62	81	201	1509	723				0					
	RT	301	301	100	130.0	211	1458	642				0	0.36				
	Total	828	828	176	229	608	4046	1665				11					0.003
S	LT/LTOR	163	163	4	5	79	560	247	0.20			1					
	ST	274	274	42	55	200	1314	528				0					
	RT	246	246	29	38	141	979	425				0	0.34				
	Total	683	683	75	98	419	2853	1200				1					0.000
T	LT/LTOR	115	115	17	22	85	555	222	0.23			0					
	ST	226	226	22	29	131	904	386				1					
	RT	256	256	29	38	127	918	420				0	0.39				
	Total	597	597	68	88	342	2377	1028				1					0.000
B	LT/LTOR	195	195	81	105	69	623	370	0.32			0					
	ST	245	245	73	95	140	1017	480				1					
	RT	74	74	14	18	48	330	141				0	0.17				
	Total	514	514	168	218	258	1970	990				1					0.001

SIMPANG BERSINVAL		Tanggal : 23 Maret 2023		Ditangani oleh: Daifa													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Siang													
ARUS LALU-LINTAS KENDARAAN BERMOTOR																	
Kode	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok		Arus		Rasio UM/MV			
		emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	1.0 emp terlindung = 1.0 emp terlawan =	kend/jam Terlindung Terlawan	1.3 emp terlindung = 1.3 emp terlawan =	kend/jam Terlindung Terlawan	0.2 0.4	emp/jam Terlindung Terlawan	total MV	p <sub>LT</sub>	p <sub>RT</sub>	UM		kend/jam		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	145	145	22	29	961	192	1128	366	0.32	3						
	ST	453	453	49	64	720	144	1222	661		0						
	RT	228	228	190	247.0	766	153	1184	628		0.34						
	Total	826	826	261	339	2447	489	3534	1655		3						0.001
S	LT/LTOR	108	108	2	3	258	52	368	162	0.17	0						
	ST	253	253	28	36	704	141	985	430		1						
	RT	221	221	7	9	649	130	877	360		0.39						
	Total	582	582	37	48	1611	322	2230	952		1						0.000
T	LT/LTOR	146	146	10	13	186	37	342	196	0.20	0						
	ST	179	179	44	57	540	108	763	344		0						
	RT	153	153	25	33	418	84	596	269		0.35						
	Total	478	478	79	103	1144	229	1701	810		0						0.000
B	LT/LTOR	182	182	100	130	280	56	562	368	0.33	0						
	ST	202	202	87	113	496	99	785	414		3						
	RT	92	92	18	23	244	49	354	164		0.21						
	Total	476	476	205	267	1020	204	1701	947		3						0.002

SIMPANG BERSINYAL		Tanggal : 23 Maret 2023		Ditangani oleh: Dafia													
Formulir SIG-II:		Kota: Surabaya															
ARUS LALU-LINTAS		Simpang: Kenjeran		Perihal : 4-fase													
				Periode: Jam puncak Sore													
		ARUS LALU-LINTAS KENDARAAN BERMOTOR						TEND. TAK BERMOTOR									
Kode pendaklat	Arah	Kendaraan ringan (LV)		Kendaraan berat (HV)		Sepeda motor (MC)		Kendaraan bermotor		Rasio berbelok	Arus UM	Rasio UM/MV					
		emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan	emp terlindung = emp terlawan =	kend/jam Terlindung Terlawan				p.LT	p.RT			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
U	LT/LTOR	88	105	25	33	794	159	924	296	0.20						2	
	ST	307	307	45	59	1938	388	2290	753							2	
	RT	408	408	68	88.4	858	172	1334	668						0.29	0	
	Total	820	820	138	179	3590	718	4548	1717							4	0.001
S	LT/LTOR	88	88	5	7	418	84	511	178	0.13						2	
	ST	523	523	39	51	1186	237	1748	811							0	
	RT	454	454	22	29	1122	224	1598	707						0.41	0	
	Total	1065	1065	66	86	2726	545	3857	1696							2	0.001
T	LT/LTOR	140	140	11	14	443	89	594	243	0.22						1	
	ST	192	192	41	53	864	173	1097	418							1	
	RT	228	228	29	38	752	150	1009	416						0.37	0	
	Total	560	560	81	105	2059	412	2700	1077							2	0.001
B	LT/LTOR	168	168	74	96	569	114	811	378	0.39						2	
	ST	183	183	75	98	695	139	953	420							0	
	RT	75	75	10	13	219	44	304	132						0.15	0	
	Total	426	426	159	207	1483	297	2068	929							2	0.001

## LAMPIRAN IV

### Formulir SIG-III

SIMPANG BERSINYAL		Tanggal : 21 Maret 2023						
Formulir SIG-III:		Kota: Surabaya						
waktu antar hijau		Simpang: Kenjeran						
waktu hilang								
LALU LINTAS BERANGKAT		LALU LINTAS DATANG						Waktu Merah
Pendekat	Kecepatan $V_E$ m/det	Pendekat	<b>U</b>	<b>S</b>	<b>T</b>	<b>B</b>		
		Kecepatan $V_A$ m/det	10	10	10	10		
		Jarak berangkat - datang (m)*			22+5-17			
U	10	Waktu berangkat - datang (det)*			2.2+0.5-1.7			1.0
		Jarak berangkat - datang (m)*				20+5-15		
S	10	Waktu berangkat - datang (det)*				2.0+0.5-1.5		1.0
		Jarak berangkat - datang (m)*		23+5-19				
T	10	Waktu berangkat - datang (det)*		2.3+0.5-1.9				1.0
		Jarak berangkat - datang (m)*	17+5-12					
B	10	Waktu berangkat - datang (det)*	1.7+0.5-1.2					1.0
		Penentuan waktu merah semua						
		Fase 1 - Fase 2						1.0
		Fase 2 - Fase 3						1.0
		Fase 3 - Fase 4						1.0
		Fase 4 - Fase 1						1.0
		Waktu kuning total (3 det/fase)						12
		Waktu Hilang Total						16

# LAMPIRAN V

## Formulir SIG-IV

SIMPANG BERSINIVAL		Tanggal: 21 Maret 2023		Diorganoleh: Dafa																			
Formulir SIG-IV : PENENTUAN WAKTU SINYAL DAN KAPASITAS		Kota: Surabaya		Perihal: 4-Fase																			
Distribusi arus lalu-lintas (smp/jam)		Simpang Kenjeran		Periode: jam puncak Pagi																			
Fase 1		Fase 2		Fase 3																			
	<p>771</p> <p>757 348</p> <p>229 256</p> <p>375 405</p> <p>103 256</p> <p>192 466 370</p>																						
Kode Hijau dan pendet fase no.	Tipe pendet	Rasio kendaraan belok			Arus RT (smp/jam) Arah lawan	Lebar efektif (m)	Arus jenis smp/jam hijau						Rasio arus	Waktu hijau det	Kapasitas smp/jam S x g/c	Derajat Kejuruan							
		P <sub>LT</sub>	P <sub>RT</sub>	P <sub>RT</sub>			Nilai dasar smp/jam hijau S <sub>0</sub>	Faktor penyesuaian		Nilai disesuaikan smp/jam hijau		Arus lalu-lintas smp/jam					Rasio FR						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
U	1	P	0.30		0.34		1280	7580	1.00	0.93	1.00	1.00	1.00	1.00	1.00	7031	1528.00	0.22	0.28	32	1726	0.89	
S	2	P		0.17	0.35		11.10	6660	1.00	0.93	1.00	1.00	1.00	1.00	1.00	6025	1057.00	0.18	0.23	26	1194	0.89	
T	3	P	0.24	0.37			7.00	4200	1.00	0.93	1.00	1.00	1.00	1.00	1.00	3906	770.00	0.20	0.25	29	870	0.89	
B	4	P	0.25	0.15			4.60	2760	1.00	0.93	1.00	1.00	1.00	1.00	1.00	2567	478.00	0.19	0.24	27	540	0.89	
Waktu hilang total L (LT) (det)		16																					
Waktu siklus pra penyesuaian		130																					
Waktu siklus disesuaikan		130																					
Rasio IFR		0.78																					





SIMPANG BERSINYAL		Tanggal : 21 Maret 2023		Ditangani oleh: Daffa																													
Formulir SIG-IV : PENENTUAN WAKTU SINYAL DAN KAPASITAS		Kota: Surabaya		Perihal: 4-Fase																													
		Simpang: Kenjeran		Periode: jam puncak Sore																													
Distribusi arus lalu lintas (smp/jam)		Fase 1		Fase 2																													
		Fase 3		Fase 4																													
Kode pendekat fase no.	Tipe pendekat	p <sub>LTD</sub>	p <sub>LT</sub>	p <sub>RT</sub>	Q <sub>RTD</sub>	W <sub>6</sub>	Rasio kendaraan				Arus RT (smp/jam)	Lebar efektif (m)	Anus jenis smp/jam hijau													Rasio arus FR	Waktu hijau det	Kapasitas smp/jam Kejujuran					
							Arus dari diri	Arah lawan	Arah efektif	Nilai dasar smp/jam hijau			Semua tipe pendekatan			Faktor penyesuaian			Hanya tipe P			Nilai di- sesuaikan lmtas smp/jam hijau	Rasio arus FR										
							Ukuran hijau	Hambatan	kot samping	F <sub>CS</sub>	F <sub>SP</sub>	F <sub>G</sub>	F <sub>P</sub>	Parkir	Belok kanan	Belok kiri	Hanya tipe P	Belok kiri	F <sub>RT</sub>	F <sub>LT</sub>	S			Q	Q/S	IFR	B	C	Q/C				
U 1	P	0.32	(5)	(6)	(7)	(8)	7560	1.00	0.93	1.00	1.00	(13)	(14)	(15)	(16)	(17)	7031	1.00	1.00	1.00	1.00	1.00	1.00	(19)	(20)	85	1519	0.97					
S 2	P	0.12	(5)	(6)	(7)	(8)	6860	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	6075	1.00	1.00	1.00	1.00	1.00	0.27	0.30	111	1725	0.97					
T 3	P	0.17	(5)	(6)	(7)	(8)	7000	4200	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3906	1.00	1.00	1.00	1.00	1.00	0.23	0.25	93	927	0.97					
B 4	P	0.34	(5)	(6)	(7)	(8)	4800	2760	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2567	1.00	1.00	1.00	1.00	1.00	0.21	0.23	87	570	0.97					
Waktu hilang total L		16		Waktu siklus pra penyesuaian		393																											
LTI (det)				Waktu siklus disesuaikan		393																											
													IFR		0.93																		



SIMPANG BERSINYAL		Tanggal: 22 Maret 2023		Ditangani oleh: Daffa																																		
Formulir SIG-IV: PENENTUAN WAKTUSINYAL DAN KAPASITAS		Kota: Surabaya		Perihal: 4-Fase																																		
Distribusi arus lalu-lintas (smp/jam)		Simpang: Kengeran		Periode: Jam puncak Siang																																		
		Fase 1		Fase 2																																		
		Fase 3		Fase 4																																		
	<p>558      383</p> <p>265      332</p> <p>407      341</p> <p>131      187</p> <p>180      460      310</p>																																					
Kode	Hijau dim pendekatan fase no.	Tipe pendekatan	Rasio kendaraan		Arus RT (smp/jam)	Lebar efektif (m)	Arus jenis smp/jam hijau												Rasio arus FR	Rasio fase PR= Fcrit	Waktu hijau det	Kapasitas Derajat smp/jam Kejujahan $S \times g/c$																
			$P_{TDOR}$	$P_{LT}$			$P_{RT}$	Faktor penyesuaian			Hanya tipe P			Belok			Belok kiri						Belok kanan			Parkir			Faktor pendekatan			Hambatan samping			Ukuran kot			Nilai dasar smp/jam hijau
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)																
U	1	P	0.35	0.31	1280	12.80	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																
S	2	P	0.17	0.33	1110	6.60	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																
T	3	P	0.19	0.39	700	4.20	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																
B	4	P	0.29	0.17	460	2.76	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																
Waktu hilang total L			16			Waktu siklus pra penyesuaian			100																													
LTI (det)						Waktu siklus disesuaikan			100																													



SIMPANG BERSINYAL		Tanggal: 23 Maret 2023		Ditangani oleh: Daffa																			
Formulir SIG-IV : PENENTUAN WAKTU SINYAL DAN KAPASITAS		Kota: Surabaya		Perihal: 4 Fase																			
Distribusi arus lalu-lintas (smp/jam)		Simpang: Kenjeran		Periode: Jam puncak Pagi																			
		Fase 1	Fase 2	Fase 3	Fase 4																		
247 528 425																							
Kode pendekatan	Hijau dfm	Tipe pendekatan	Rasio kendaraan berbelok	Arus RT (smp/jam)	Lebar efektif (m)	Nilai dasar	Nilai disesuaikan	Arus	Rasio arus fase	Waktu hijau det	Kapasitas smp/jam	Derajat Kejenhahan Sxg/c											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
U	1	P	0.27		0.36			7680	1.00	1.00	0.93	1.00	1.00	1.00	1.00	7031	1365.00	0.19	0.23	39	1480	0.92	
S	2	P		0.20	0.34			6660	1.00	1.00	0.93	1.00	1.00	1.00	1.00	5996	1200.00	0.20	0.24	40	1301	0.92	
T	3	P		0.23	0.39			4200	1.00	1.00	0.93	1.00	1.00	1.00	1.00	3906	806.00	0.21	0.25	41	874	0.92	
B	4	P		0.32	0.17			2760	1.00	1.00	0.93	1.00	1.00	1.00	1.00	2567	620.00	0.24	0.29	48	672	0.92	
Waktu hilang total L	16	Waktu siklus pra penyesuaian	184																				
UTI (det)		Waktu siklus disesuaikan	184																				



SIMPANG BERSINIAL			Tanggal: 23 Maret 2023			Ditangani oleh: Dafia																	
Formulir SIG-IV: PENENTUAN WAKTUSINIAL DAN KAPASITAS			Kota: Surabaya			Perihal: 4-Fase																	
Simpang: Kenjeran			Fase 2			Periode: 1 jam puncak Score																	
Distribusi arus lalu-lintas (smp/jam)			Fase 1			Fase 3			Fase 4														
	668	296																					
	753																						
	378	416																					
	420	418																					
	132	243																					
	178	811	707																				
Kode	Hijau dlm pendekatan fase no.	Type pendekatan	Rasio kendaraan blook	Arus RT (smp/jam) Arah diri	Lebar efektif (m)	Nilai dasar hijau S <sub>0</sub>	Anus jenis smp/jam/hijau				Anus lalu-lintas smp/jam		Rasio arus FR	Rasio fase PR=	Waktu hijau det	Kapasitas smp/jam	Derajat Kejenuhan S x g/c						
							Faktor penyesuaian				Nilai di- sesuaikan hijau	S	Q	Q/S	IFR	g	C	Q/C					
							Semua tipe pendekatan				Hanya tipe P												
							Hambatan Kelandaian		Pakir		Belok kanan		Belok kiri										
							Ukuran kot F <sub>CS</sub>	Hamparan samping F <sub>SS</sub>	F <sub>6</sub>	F <sub>P</sub>	F <sub>RT</sub>	F <sub>LT</sub>	F <sub>LT</sub>	S	Q	Q/S	IFR	g	C	Q/C			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
U	1	P	0.20	0.29	12.60	7.660	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	70.81	1421.00	0.20	0.22	68	1484	0.96	
S	2	P	0.13	0.41	11.10	6.660	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	60.65	1696.00	0.28	0.31	94	1771	0.96	
T	3	P	0.22	0.37	7.00	4.200	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	39.06	834.00	0.21	0.23	72	871	0.96	
B	4	P	0.39	0.15	4.60	2.760	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	25.67	551.00	0.21	0.24	72	575	0.96	
Waktu hilang total L	16	Waktu siklus pra penyesuaian		322																			
LTI (det)		Waktu siklus disesuaikan		322																			



## LAMPIRAN VI

### Formulir SIG-V

SIMPANG BERSINYAL		Tanggal: 21 Maret 2023		Diangani oleh: Daffa											
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase											
		Simpang: Kenjeran		Periode: Jam puncak Pagi											
		Waktu siklus: 130													
Kode	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat kejenuhan hijau	Rasio	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan berhenti smp/jam	Tundaan							
								Tundaan geo-metrik rata2 det/smp	Tundaan rata-rata det/smp	Tundaan total smp.det					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1528.00	1726	0.89	0.25	3.25	53.19	56	72	114	0.921	1407	54.01	3.99	58.00	88.625
S	1057.00	1194	0.89	0.20	3.21	37.11	40	50	90	0.951	1005	60.22	3.96	64.18	67.835
T	770.00	870	0.89	0.22	3.15	26.92	30	40	114	0.973	749	61.93	3.99	65.92	50.757
B	478.00	540	0.89	0.21	3.05	16.76	20	25	109	1.033	494	70.36	4.05	74.41	35.567
LTOR semua	833											0.00	6.00	6.00	4.998
Arus total	4.666									Total:	3654			Total:	247.782
											0.78			Tundaan simpang rata2 (det/smp):	53.10

SIMPANG BERSINYAL		Tanggal: 21 Maret 2023		Ditangani oleh: Daffa											
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase											
Jumlah kendaraan TERHENTI		Simpang: Kenjeran		Periode: Jam puncak Siang											
TUNDAAN		Waktu siklus: 94													
Kode pendekat	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat kejenutah Hijau	Rasio GR=g/c	N <sub>r</sub>	N <sub>2</sub>	N <sub>1</sub> +NQ <sub>2</sub>	Total	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan stop/smp	Jumlah kendaraan berhenti smp/jam	Tundaan		
													Tundaan rata-rata	Tundaan geo-metrik rata2	Tundaan total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1270.00	1524	0.83	0.21	1.97	43.88	46	58	92	1.244	1580	53.62	4.04	57.66	73,223
S	978.00	1174	0.83	0.19	1.96	33.97	36	46	83	1.266	1238	56.55	4.27	60.82	59,480
T	664.00	797	0.83	0.20	1.94	23.01	25	33	94	1.295	860	58.52	4.15	62.67	41,615
B	458.00	550	0.83	0.21	1.91	15.82	18	23	100	1.335	611	61.46	4.48	65.93	30,197
LTOR semua	665											0.00	6.00	6.00	3,990
Arus total	4,035									Total:	4290			Total:	208,505
												1.06			51.67

SIMPANG BERSINYAL		Tanggal: 21 Maret 2023		Ditangani oleh: Daffa											
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase											
		Simpang: Kenjeran		Periode: Jam puncak Sore											
		Waktu siklus: 399													
		Jumlah kendaraan antri (smp)		Jumlah kendaraan											
		Total		Tundaan											
		NQ1+NQ2		Tundaan geo-											
		=NQ		metrik rata2											
		NQ <sub>MAX</sub>		rata-rata											
		N <sub>1</sub>		det/smp											
		N <sub>2</sub>		total											
		GR=g/c		smp.det											
		DS=Q/C													
		Rasio		D=DT+DG											
		kejujutan Hijau		D x Q											
		Rasio													
		Panjang antrian													
		(m)													
		Rasio kendaraan stop/smp													
		NS													
		QL													
		(10)													
		NQ <sub>MAX</sub>													
		(9)													
		=NQ													
		(8)													
		(7)													
		(6)													
		(5)													
		(4)													
		(3)													
		(2)													
		(1)													
U	1467.00	1519	0.97	0.22	9.86	52.48	62	78	124	0.350	514	73.84	3.90	77.74	114,041
S	1665.00	1725	0.97	0.28	10.02	59.31	69	86	155	0.343	572	66.93	3.19	70.12	116,748
T	895.00	927	0.97	0.24	8.73	31.98	41	51	146	0.375	336	82.98	3.67	86.65	77,556
B	550.00	570	0.96	0.22	7.55	19.66	27	36	157	0.408	224	97.79	3.41	101.20	55,661
LITOR semua	918											0.00	6.00	6.00	5,508
Arus total	5,495									Total:	1646			Total:	369,514
										Kendaraan terhenti rata-rata stop/smp:	0.30			Tundaan simpang rata2 (det/smp):	67.25

SIMPANG BERSINYAL		Tanggal: 22 Maret 2023		Ditangani oleh: Daffa											
Formulir SG-V:		Kota: Surabaya		Perihal: 4 fase											
Jumlah Kendaraan Terhenti		Simpang: Kenjeran		Periode: Jam puncak Pagi											
TUNDAAN		Waktu siklus: 174													
Kode pendekatan	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat Kejujahan Hijau	Rasio	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan stop/smp	Jumlah kendaraan terhenti smp/jam	Tundaan						
									Tundaan geo-metrik rata2 det/smp	Tundaan rata-rata det/smp	Tundaan total smp.det				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1412.00	1538	0.92	0.22	4.75	49.85	55	70	111	0.720	1017	60.78	3.90	64.68	91,329
S	1172.00	1277	0.92	0.21	4.67	41.40	46	58	105	0.732	858	63.22	3.73	66.95	78,469
T	847.00	923	0.92	0.24	4.53	29.83	34	44	126	0.755	640	66.13	3.83	70.06	59,342
B	568.00	619	0.92	0.24	4.33	19.99	24	31	135	0.797	453	73.25	3.75	77.00	43,734
LTOR semua	971											0.00	6.00	6.00	5.826
Arus total	4,970									Total:	2967			Total:	278,700
							Kendaraan terhenti rata-rata stop/smp:				0.60	Tundaan simpang rata2 (det/smp):			56.08

SIMPANG BERSINYAL		Tanggal: 22 Maret 2023		Ditangani oleh: Daffa											
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase											
Jumlah kendaraan TERHENTI		Simpang: Kenjeran		Periode: Jam puncak Siang											
TUNDAAN		Waktu siklus: 100													
Kode pendekatan	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat kejenuhan	Rasio Hijau	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan berhenti smp/jam	Tundaan							
								Tundaan geo-rata-rata	Tundaan rata-rata	Tundaan total					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1197.00	1417	0.84	0.20	2.18	41.61	44	55	87	1.185	1419	55.59	4.01	59.60	71,337
S	951.00	1125	0.85	0.19	2.18	33.14	35	46	83	1.203	1144	57.78	4.20	61.98	58,943
T	673.00	796	0.85	0.20	2.16	23.40	26	34	97	1.230	828	59.83	4.12	63.95	43,041
B	537.00	636	0.84	0.25	2.12	18.44	21	27	117	1.240	666	58.35	4.30	62.65	33,643
LITOR: semua	835											0.00	6.00	6.00	5,010
Arus total	4,193									Total:	4057			Total:	211,974
							Kendaraan berhenti rata-rata stop/smp:				0.97	Tundaan simpang rata2 (det/smp):			50.55

SIMPANG BERSINYAL		Tanggal: 22 Maret 2023				Ditangani oleh: Daffa				
Formulir SIG-V:		Kota: Surabaya				Perihal: 4 fase				
		Simpang: Kenjeran				Periode: jam puncak Sore				
		Waktu siklus: 294								
		TUNDAAN								
Kode	Arus	Kapasitas Derajat	Rasio	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan stop/smp	Jumlah kendaraan terhenti smp/jam	Tundaan geo-rata2	Tundaan rata-rata det/smp	Tundaan total smp.det
pendekat	lalu lintas smp/jam	kejujutan Hijau		Total				metrik rata2 det/smp	det/smp	
				$NQ_1+NQ_2$						
	$Q$	$C$	$DS=Q/C$	$N_2$	$N_1$	$N_2$	$N_{SV}$	$DG$	$D=DT+DG$	$D \times Q$
(1)	(2)	(3)	(4)	(7)	(6)	(8)	(12)	(14)	(15)	(16)
U	1371.00	1438	0.95	48.92	7.88	57	626	3.39	74.24	101,782
S	1631.00	1711	0.95	57.83	8.07	66	726	3.41	66.19	107,959
T	837.00	878	0.95	29.82	7.19	37	408	3.79	83.00	69,472
B	575.00	603	0.95	20.47	6.63	27	299	3.61	92.23	53,031
LTOR semua	994									
Arus total	5,408					Total: 2059	2059	6.00	6.00	5,964
				Kendaraan terhenti rata-rata stop/smp:			0.38	Tundaan simpang rata2 (det/smp):	Total: 338,208	62.54

SIMPANG BERSINYAL		Tanggal: 23 Maret 2023		Ditangani oleh: Daffa								
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase								
Jumlah Kendaraan Terhenti		Simpang: Kenjeran		Periode: Jam puncak Pagi								
TUNDAAN		Waktu siklus: 184										
Kode	Arus	Kapasitas	Derajat	Rasio	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan stop/smp	Jumlah kendaraan terhenti smp/jam	Tundaan lalu lintas rata2 det/smp	Tundaan geo- rata-rata det/smp	Tundaan total smp.det	
	lalu lintas	smp/jam	kejenuhan Hijau		Total							
	Q	C	DS=Q/C	GR=g/c	N <sub>1</sub>	N <sub>2</sub>	NQ	NQ <sub>MAX</sub>	QL	NS	DG	D=DT+DG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(14)	(15)
U	1365.00	1480	0.92	0.21	5.00	48.28	53	68	108	0.687	3.93	66.27
S	1200.00	1301	0.92	0.22	4.95	42.42	47	60	108	0.695	3.77	67.27
T	806.00	874	0.92	0.22	4.76	28.47	33	42	120	0.726	3.92	72.94
B	620.00	672	0.92	0.26	4.64	21.79	26	34	148	0.751	3.74	75.33
LTOR semua	891										6.00	6.00
Arus total	4,882									Total:		Total:
											2823	282,029
											0.58	57.77
Kendaraan terhenti rata-rata stop/smp:										Tundaan simpang rata2 (det/smp):		
										0.58		
										Tundaan simpang rata2 (det/smp):		
										57.77		

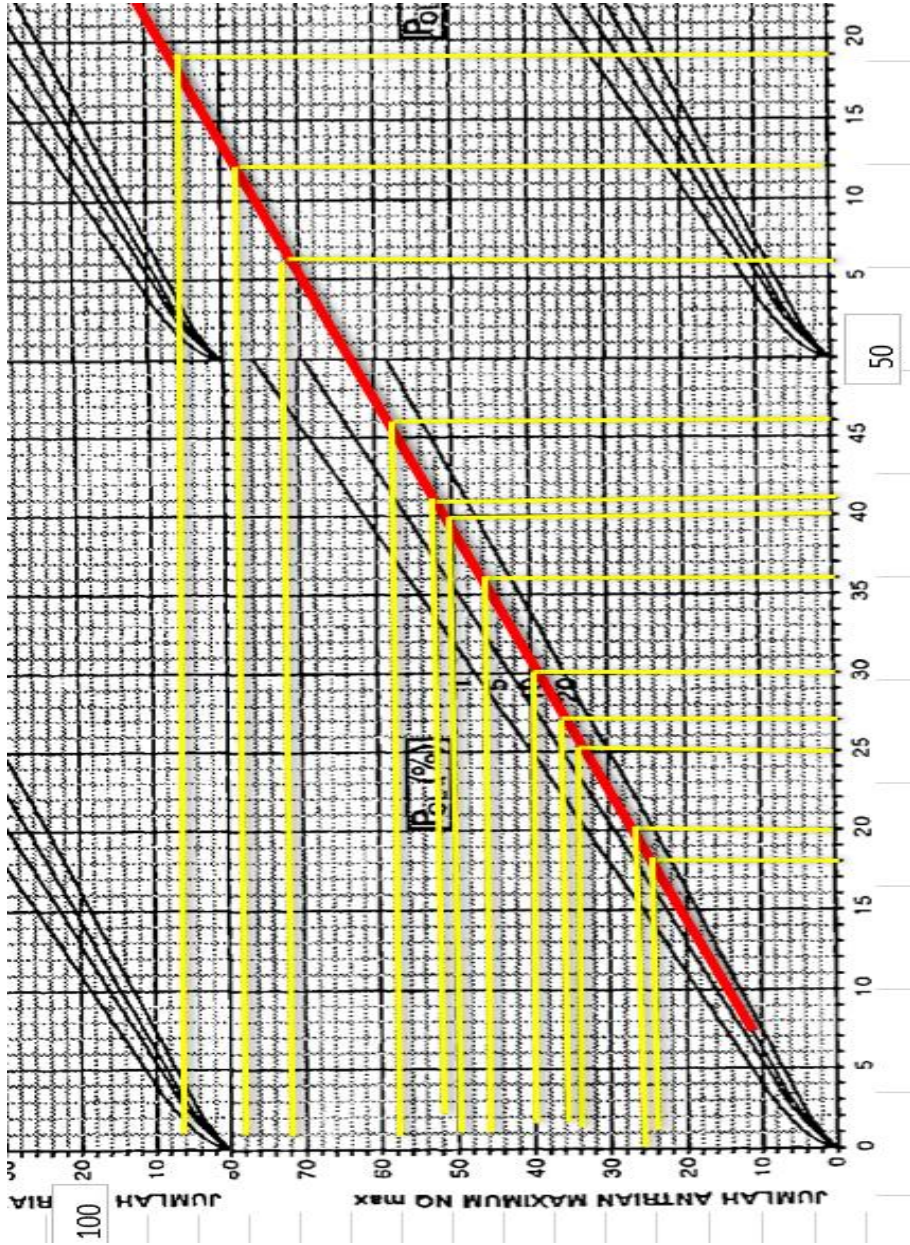
SIMPANG BERSINYAL		Tanggal: 23 Maret 2023		Ditangani oleh: Daffa													
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase													
Jumlah kendaraan terhenti		Simpan: Kenjeran		Periode: Jam puncak Siang													
TUNDAAN		Waktu siklus: 105															
Kode pendekat	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat kejenuhatan Hijau	Rasio	Jumlah kendaraan antri (smp)		Panjang antrian (m)	Rasio kendaraan stop/smp	Jumlah kendaraan terhenti smp/jam	Tundaan							
					Total	=NQ				NQ <sub>1</sub> +NQ <sub>2</sub>	Tundaan lalu lintas rata2 det/smp	Tundaan geo-metrik rata2 det/smp	Tundaan rata-rata det/smp	Tundaan total smp.det			
(1)	(2)	(3)	(4)	(5)	N <sub>1</sub>	(6)	N <sub>2</sub>	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1289.00	1509	0.85	0.22	2.38	44.72	47	60	95	1.127	1463	54.44	4.01	58.45	75.337		
S	952.00	1115	0.85	0.18	2.35	33.30	36	46	83	1.156	1100	59.17	4.10	63.27	60.230		
T	613.00	718	0.85	0.18	2.32	21.44	24	31	89	1.196	733	63.19	4.14	67.33	41.270		
B	579.00	678	0.85	0.27	2.32	19.85	22	30	130	1.182	684	57.56	4.14	61.70	35.723		
LTOR semua	930											0.00	6.00	6.00	5.580		
Arus total	4.363									Total:	3971			Total:	218.141		
										Kendaraan terhenti rata-rata stop/smp:	0.91			Tundaan simpang rata2 (det/smp):	50.00		



SIMPANG BERSINYAL		Tanggal: 23 Maret 2023		Ditangani oleh: Daffa											
Formulir SIG-V:		Kota: Surabaya		Perihal: 4 fase											
		Simpang: Kenjeran		Periode: 1 jam puncak Sore											
		Waktu siklus: 322													
		TUNDAAN													
Kode pendekatan	Arus lalu lintas smp/jam	Kapasitas smp/jam	Derajat kejenuhan	Rasio Hijau	Jumlah kendaraan antri (smp)	Panjang antrian (m)	Rasio kendaraan berhenti smp/smp	Tundaan							
								Tundaan geo-metrik rata2	Tundaan rata-rata	Tundaan total					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
U	1421.00	1484	0.96	0.21	8.49	50.74	59	73	116	0.419	596	71.29	3.38	74.68	106,115
S	1696.00	1771	0.96	0.29	8.76	60.19	69	86	155	0.409	694	63.04	3.37	66.42	112,642
T	834.00	871	0.96	0.22	7.63	29.75	37	48	137	0.451	376	81.38	3.78	85.16	71,021
B	551.00	575	0.96	0.22	6.95	19.66	27	36	157	0.466	288	93.39	3.58	96.97	53,430
LTOR semua	917											0.00	6.00	6.00	5,502
Arus total	5,419									Total: 1934				Total: 348,711	
										Kendaraan berhenti rata-rata stop/smp: 0.36				Tundaan simpang rata2 (det/smp):	64.35

# LAMPIRAN VII

Grafik Pol



## LAMPIRAN VIII

### Diagram APILL

Tanggal : 21 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Pagi			
Waktu siklus : 130 detik							
FASE 1 (UTARA)							
32		3	1				
				94			
FASE 2 (SELATAN)							
36		26		3	1		
						64	
FASE 3 (TIMUR)							
66				29		3	1
						31	
FASE 4 (BARAT)							
99						1	1
						27	
						3	

Tanggal : 21 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Siang			
Waktu siklus : 94 detik							
FASE 1 (UTARA)							
20		3	1				
				70			
FASE 2 (SELATAN)							
24		18		3	1		
						48	
FASE 3 (TIMUR)							
46				19		3	1
						25	
FASE 4 (BARAT)							
70						20	3
						3	
						1	

Tanggal : 21 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Sore			
Waktu siklus : 393 detik							
FASE 1 (UTARA)							
85		3	1				
				304			
FASE 2 (SELATAN)							
89		111		3	1		
						189	
FASE 3 (TIMUR)							
204				93		3	1
						92	
FASE 4 (BARAT)							
302						87	3
						1	

Tanggal : 22 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Pagi			
Waktu siklus : 174 detik							
FASE 1 (UTARA)							
38		3	1	132			
FASE 2 (SELATAN)							
42		37		3	1	91	
FASE 3 (TIMUR)							
83				41		3	46
FASE 4 (BARAT)							
128				42		3	1

Tanggal : 22 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Siang			
Waktu siklus : 100 detik							
FASE 1 (UTARA)							
20		3	1	76			
FASE 2 (SELATAN)							
24		19		3	1	53	
FASE 3 (TIMUR)							
47				20		3	29
FASE 4 (BARAT)							
71				25		3	1

Tanggal : 22 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Sore			
Waktu siklus : 294 detik							
FASE 1 (UTARA)							
60		3	1	230			
FASE 2 (SELATAN)							
64		83		3	1	143	
FASE 3 (TIMUR)							
151				66		3	73
FASE 4 (BARAT)							
221				69		3	1

Tanggal : 23 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Pagi			
Waktu siklus : 184 detik							
FASE 1 (UTARA)							
39		3		141			
FASE 2 (SELATAN)							
43		40		3		97	
FASE 3 (TIMUR)							
87				41		3	
132				48		3	

Tanggal : 23 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Siang			
Waktu siklus : 105 detik							
FASE 1 (UTARA)							
23		3		78			
FASE 2 (SELATAN)							
26		19		3		56	
FASE 3 (TIMUR)							
49				19		3	
73				28		3	

Tanggal : 23 Maret 2023				Ditangani oleh : Daffa			
Kota : Surabaya				Perihal : 4-Fase			
Simpang : Kenjeran				Periode : Jam puncak Sore			
Waktu siklus : 322 detik							
FASE 1 (UTARA)							
68		3		250			
FASE 2 (SELATAN)							
72		94		3		152	
FASE 3 (TIMUR)							
170				72		3	
246				72		3	

## LAMPIRAN IX

### Data Jumlah Penduduk

Umur	Proyeksi Penduduk Kota Surabaya (Jiwa)								
	Laki-laki			Perempuan			Jumlah		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
0-4	107999	107043	106096	103565	102663	101785	211564	209706	207881
5-9	108635	107536	106192	104265	103436	102441	212900	210972	208633
10-14	99068	98976	98710	95176	95048	94735	194244	194024	193445
15-19	109179	108479	108057	118953	118284	117814	228132	226763	225871
20-24	143705	144661	145046	147072	147358	147368	290777	292019	292414
25-29	136143	137343	138428	134994	135581	136003	271137	272924	274431
30-34	126616	125978	125760	127371	126098	125530	253987	252076	251290
35-39	117794	116992	115853	119940	119206	117878	237734	236198	233731
40-44	106362	105843	105416	108880	108846	108898	215242	214689	214314
45-49	95144	95379	95330	101417	101564	101506	196561	196943	196836
50-54	85490	86854	87930	93475	94898	96000	178965	181752	183930
55-59	70803	72281	73813	77440	79841	82107	148243	152122	155920
60-64	50433	52247	53836	49876	52420	54715	100309	104667	108551
65-69	33810	35742	37547	32170	33603	35425	65980	69345	72972
70-74	18348	19089	20109	20406	20853	21331	38754	39942	41440
75+	16048	16545	17030	24978	25508	26062	41026	42053	43092
Total	1425577	1430988	1435153	1459978	1465207	1469598	2885555	2896195	2904751

## LAMPIRAN X

### Dokumentasi Foto Survei Lapangan



**Gambar L. 1** Perhitungan volume kendaraan pada Hari Selasa, Tanggal 21 Maret 2023

(Sumber : Dokumentasi Pribadi, 2023)



**Gambar L. 2** Perhitungan volume kendaraan pada Hari Selasa, Tanggal 21 Maret 2023

(Sumber : Dokumentasi Pribadi, 2023)



**Gambar L. 3** Perhitungan volume kendaraan pada Hari Rabu, Tanggal 22 Maret 2023

(Sumber : Dokumentasi Pribadi, 2023)



**Gambar L. 4** Perhitungan volume kendaraan pada Hari Rabu, Tanggal 22 Maret 2023

(Sumber : Dokumentasi Pribadi, 2023)





**Gambar L. 5** Pengukuran lebar jalan pada Persimpangan Kenjeran  
(Sumber : Dokumentasi Pribadi, 2023)



**Gambar L. 6** Pengukuran lebar jalan pada Persimpangan Kenjeran  
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