

LAMPIRAN

ANALISIS SISTEM ANTRIAN PELAYANAN PELANGGAN MENGUNAKAN METODE SIMULASI DI PT. TELEKOMUNIKASI INDONESIA (PERSERO) TBK AREA TELKOM REGIONAL IV

ORIGINALITY REPORT

13%

SIMILARITY INDEX

10%

INTERNET SOURCES

1%

PUBLICATIONS

10%

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to CSU, San Jose State University

Student Paper

2%

2

docplayer.info

Internet Source

1%

3

eprints.undip.ac.id

Internet Source

1%

4

Submitted to Fakultas Ekonomi Universitas
Indonesia

Student Paper

1%

5

Submitted to Sultan Agung Islamic University

Student Paper

1%

6

repository.widyatama.ac.id

Internet Source

1%

7

www.scribd.com

Internet Source

1%

Lampiran-Lampiran Data Observasi

No	Kode	Pos	Layanan	Kedatangan	Jarak Kedatangan (s)	Lama ambil nomer (s)	Lama Pelayanan (s)
1	A1	A	Customer Service	9:31:00			33
2	A2	A	Customer Service	9:31:08	0:00:08	8	38
3	A3	A	Customer Service	9:34:13	0:03:05	185	30
4	B1	B	Sales dan Quick Service	9:36:30	0:02:17	137	43
5	C1	C	Cashier	9:36:53	0:00:23	23	31
6	C2	C	Cashier	9:37:46	0:00:53	53	28
7	A4	A	Customer Service	9:38:30	0:00:44	44	38
8	C3	C	Cashier	9:41:15	0:02:45	165	46
9	B2	B	Sales dan Quick Service	9:41:15	0:00:00	1	34
10	A5	A	Customer Service	9:41:40	0:00:25	25	35
11	A6	A	Customer Service	9:42:24	0:00:44	44	20
12	A7	A	Customer Service	9:44:10	0:01:46	106	48
13	A8	A	Customer Service	9:44:41	0:00:31	31	38
14	B3	B	Sales dan Quick Service	9:45:51	0:01:10	70	36
15	A9	A	Customer Service	9:46:12	0:00:21	21	43
16	A10	A	Customer Service	9:47:51	0:01:39	99	50
17	C4	C	Cashier	9:49:28	0:01:37	97	37
18	A11	A	Customer Service	9:50:38	0:01:10	70	31
19	B4	B	Sales dan Quick Service	9:51:50	0:01:12	72	51
20	A12	A	Customer Service	9:55:14	0:03:24	204	29
21	C5	C	Cashier	9:57:55	0:02:41	161	30
22	A13	A	Customer Service	9:59:03	0:01:08	68	51
23	B5	B	Sales dan Quick Service	10:01:34	0:02:31	151	55
24	C6	C	Cashier	10:03:34	0:02:00	120	34
25	C7	C	Cashier	10:05:04	0:01:30	90	50
26	B6	B	Sales dan Quick Service	10:06:12	0:01:08	68	51
27	A14	A	Customer Service	10:11:54	0:05:42	342	51
28	C8	C	Cashier	10:19:43	0:07:49	469	56
29	C9	C	Cashier	10:20:57	0:01:14	74	45
30	A15	A	Customer Service	10:21:46	0:00:49	49	72
31	A16	A	Customer Service	10:22:05	0:00:19	19	38
32	C10	C	Cashier	10:24:42	0:02:37	157	51
33	B7	B	Sales dan Quick Service	10:25:05	0:00:23	23	30
34	A17	A	Customer Service	10:29:25	0:04:20	260	43
35	A18	A	Customer Service	10:30:34	0:01:09	69	39
36	A19	A	Customer Service	10:31:13	0:00:39	39	22
37	C11	C	Cashier	10:36:22	0:05:09	309	39
38	C12	C	Cashier	10:36:47	0:00:25	25	62
39	B8	B	Sales dan Quick Service	10:36:49	0:00:02	2	59
40	B9	B	Sales dan Quick Service	10:43:02	0:06:13	373	52
41	A20	A	Customer Service	10:43:46	0:00:44	44	28
42	A21	A	Customer Service	10:44:25	0:00:39	39	34
43	B10	B	Sales dan Quick Service	10:45:47	0:01:22	82	29
44	A22	A	Customer Service	10:46:53	0:01:06	66	22
45	B11	B	Sales dan Quick Service	10:47:05	0:00:12	12	56
46	C13	C	Cashier	10:47:52	0:00:47	47	49
47	B12	B	Sales dan Quick Service	10:51:57	0:04:05	245	53
48	C14	C	Cashier	10:56:33	0:04:36	276	47
49	A23	A	Customer Service	10:57:07	0:00:34	34	47
50	A24	A	Customer Service	10:59:29	0:02:22	142	50
51	C15	C	Cashier	11:00:14	0:00:45	45	41

52	B15	B	Sales dan Quick Service	11:02:24	0:02:10	130	37
53	A25	A	Customer Service	11:05:05	0:02:41	161	18
54	A26	A	Customer Service	11:05:23	0:00:18	18	45
55	C16	C	Cashier	11:08:47	0:03:24	204	38
56	A27	A	Customer Service	11:09:47	0:01:00	60	33
57	C17	C	Cashier	11:10:38	0:00:51	51	45
58	A28	A	Customer Service	11:13:39	0:03:01	181	45
59	A29	A	Customer Service	11:14:02	0:00:23	23	41
60	A30	A	Customer Service	11:14:42	0:00:40	40	51
61	A31	A	Customer Service	11:17:59	0:03:17	197	26
62	B16	B	Sales dan Quick Service	11:20:10	0:02:11	131	32
63	C18	C	Cashier	11:21:20	0:01:10	70	35
64	B17	B	Sales dan Quick Service	11:22:04	0:00:44	44	36
65	A32	A	Customer Service	11:22:53	0:00:49	49	38
66	B18	B	Sales dan Quick Service	11:27:16	0:04:23	263	40
67	A33	A	Customer Service	11:28:22	0:01:06	66	42
68	A34	A	Customer Service	11:30:44	0:02:22	142	51
69	B19	B	Sales dan Quick Service	11:31:33	0:00:49	49	17
70	C19	C	Cashier	11:32:17	0:00:44	44	48
71	A35	A	Customer Service	11:32:45	0:00:28	28	38
72	B20	B	Sales dan Quick Service	11:33:09	0:00:24	24	20
73	A36	A	Customer Service	11:34:15	0:01:06	66	37
74	B21	B	Sales dan Quick Service	11:35:25	0:01:10	70	33
75	C20	C	Cashier	11:36:38	0:01:13	73	47
76	B22	B	Sales dan Quick Service	11:41:07	0:04:29	269	37
77	A37	A	Customer Service	11:51:06	0:09:59	559	26
78	C21	C	Cashier	11:51:20	0:00:14	14	45
79	A38	A	Customer Service	11:51:24	0:00:04	4	48
80	A39	A	Customer Service	11:54:06	0:02:42	162	24
81	C22	C	Cashier	11:54:40	0:00:34	34	44
82	B23	B	Sales dan Quick Service	11:55:31	0:00:51	51	38
83	C23	C	Cashier	11:57:27	0:01:56	116	43
84	A1	A	Customer Service	9:00:03	0:03:33		42
85	B1	B	Sales dan Quick Service	9:05:24	0:05:21	321	50
86	A2	A	Customer Service	9:06:56	0:01:32	92	36
87	A3	A	Customer Service	9:07:18	0:00:22	22	61
88	C1	C	Cashier	9:11:22	0:04:04	244	54
89	A4	A	Customer Service	9:11:39	0:00:17	17	42
90	C2	C	Cashier	9:13:21	0:01:42	102	57
91	B2	B	Sales dan Quick Service	9:17:27	0:04:06	246	29
92	A5	A	Customer Service	9:18:46	0:01:19	79	44
93	C3	C	Cashier	9:21:10	0:02:24	144	37
94	C4	C	Cashier	9:24:26	0:03:16	196	51
95	A6	A	Customer Service	9:27:58	0:03:32	212	42
96	A7	A	Customer Service	9:28:23	0:00:25	25	43
97	A8	A	Customer Service	9:28:48	0:00:25	25	25
98	A9	A	Customer Service	9:28:58	0:00:10	10	58
99	C5	C	Cashier	9:29:22	0:00:24	24	51
100	A10	A	Customer Service	9:30:39	0:01:17	77	35
101	A11	A	Customer Service	9:31:10	0:00:31	31	38
102	B3	B	Sales dan Quick Service	9:31:51	0:00:41	41	41
103	A12	A	Customer Service	9:31:56	0:00:05	5	36
104	C6	C	Cashier	9:32:55	0:00:59	59	35
105	A13	A	Customer Service	9:35:19	0:02:24	144	35
106	B4	B	Sales dan Quick Service	9:36:11	0:00:52	52	50
107	C7	C	Cashier	9:38:53	0:02:42	162	50
108	A14	A	Customer Service	9:41:29	0:02:36	156	39
109	B5	B	Sales dan Quick Service	9:43:08	0:01:39	99	42
110	B6	B	Sales dan Quick Service	9:43:19	0:00:11	11	47
111	C8	C	Cashier	9:45:29	0:02:10	130	21
112	A15	A	Customer Service	9:46:15	0:00:46	46	30
113	B7	B	Sales dan Quick Service	9:47:03	0:00:48	48	48
114	A16	A	Customer Service	9:48:27	0:01:24	84	34
115	C9	C	Cashier	9:49:29	0:01:02	62	59
116	A17	A	Customer Service	9:51:18	0:01:49	109	47

117	B8	B	Sales dan Quick Service	9:52:05	0:00:47	47	40
118	A18	A	Customer Service	9:54:53	0:02:48	168	43
119	A19	A	Customer Service	9:55:03	0:00:10	10	29
120	B9	B	Sales dan Quick Service	9:55:26	0:00:23	23	42
121	C10	C	Cashier	9:55:37	0:00:11	11	40
122	A20	A	Customer Service	9:57:58	0:02:21	141	54
123	B10	B	Sales dan Quick Service	9:58:39	0:00:41	41	39
124	C11	C	Cashier	9:58:50	0:00:11	11	11
125	A21	A	Customer Service	10:03:17	0:04:27	267	43
126	B11	B	Sales dan Quick Service	10:03:47	0:00:30	30	51
127	A22	A	Customer Service	10:06:23	0:02:36	156	27
128	B12	B	Sales dan Quick Service	10:07:16	0:00:53	53	44
129	C12	C	Cashier	10:07:23	0:00:07	7	46
130	A23	A	Customer Service	10:10:17	0:02:54	174	36
131	A24	A	Customer Service	10:11:13	0:00:56	56	28
132	B13	B	Sales dan Quick Service	10:11:46	0:00:33	33	46
133	A25	A	Customer Service	10:11:55	0:00:09	9	44
134	C13	C	Cashier	10:13:16	0:01:21	81	41
135	B14	B	Sales dan Quick Service	10:18:48	0:05:32	332	39
136	A26	A	Customer Service	10:19:30	0:00:42	42	37
137	B15	B	Sales dan Quick Service	10:19:53	0:00:23	23	44
138	A27	A	Customer Service	10:20:50	0:00:57	57	24
139	A28	A	Customer Service	10:20:51	0:00:01	1	45
140	B16	B	Sales dan Quick Service	10:21:56	0:01:05	65	60
141	A29	A	Customer Service	10:25:34	0:03:38	218	45
142	A30	A	Customer Service	10:25:50	0:00:16	16	47
143	B17	B	Sales dan Quick Service	10:28:44	0:02:54	174	57
144	A31	A	Customer Service	10:30:03	0:01:19	79	28
145	B18	B	Sales dan Quick Service	10:30:30	0:00:27	27	28
146	A32	A	Customer Service	10:33:13	0:02:43	163	53
147	C14	C	Cashier	10:34:10	0:00:57	57	47
148	A33	A	Customer Service	10:35:32	0:01:22	82	20
149	B19	B	Sales dan Quick Service	10:42:03	0:06:31	391	31
150	A34	A	Customer Service	10:43:56	0:01:53	113	32
151	B20	B	Sales dan Quick Service	10:45:08	0:01:12	72	59
152	A35	A	Customer Service	10:48:02	0:02:54	174	45
153	C15	C	Cashier	10:49:12	0:01:10	70	38
154	A36	A	Customer Service	10:51:31	0:02:19	139	43
155	B21	B	Sales dan Quick Service	10:52:06	0:00:35	35	38
156	B22	B	Sales dan Quick Service	10:54:48	0:02:42	162	23
157	A37	A	Customer Service	11:00:31	0:05:43	343	43
158	A38	A	Customer Service	11:00:38	0:00:07	7	46
159	B23	B	Sales dan Quick Service	11:03:00	0:02:22	142	52
160	A39	A	Customer Service	11:03:26	0:00:26	26	52
161	A40	A	Customer Service	11:04:39	0:01:13	73	54
162	C16	C	Cashier	11:06:08	0:01:29	89	43
163	A41	A	Customer Service	11:07:08	0:01:00	60	45
164	A42	A	Customer Service	11:09:07	0:01:59	119	47
165	C17	C	Cashier	11:09:26	0:00:19	19	32
166	A43	A	Customer Service	11:15:52	0:06:26	386	40
167	B24	B	Sales dan Quick Service	11:17:05	0:01:13	73	41
168	A44	A	Customer Service	11:18:25	0:01:20	80	29
169	A45	A	Customer Service	11:24:17	0:05:52	352	29
170	C18	C	Cashier	11:28:39	0:04:22	242	62
171	A46	A	Customer Service	11:30:13	0:01:34	94	54
172	A47	A	Customer Service	11:31:18	0:01:05	65	36
173	A48	A	Customer Service	11:33:19	0:02:01	121	33
174	C19	C	Cashier	11:36:02	0:02:43	163	27
175	A49	A	Customer Service	11:36:33	0:00:31	31	21
176	A50	A	Customer Service	11:37:29	0:00:56	56	37
177	B25	B	Sales dan Quick Service	11:38:06	0:00:37	37	53
178	C20	C	Cashier	11:40:00	0:01:54	114	37
179	A51	A	Customer Service	11:48:55	0:08:55	535	50
180	B26	B	Sales dan Quick Service	11:50:41	0:01:46	106	45
181	A52	A	Customer Service	11:50:45	0:00:04	4	15
182	C21	C	Cashier	11:52:48	0:02:03	123	33
183	B27	B	Sales dan Quick Service	11:56:49	0:04:01	241	43
184	A53	A	Customer Service	11:59:55	0:03:06	186	41

185	A54	A	Customer Service	12:00:22	0:00:27	27	35
186	A55	A	Customer Service	12:02:48	0:02:26	146	30
187	C1	C	Cashier	9:12:00			31
188	B1	B	Sales dan Quick Service	9:13:13	0:01:13	73	36
189	A1	A	Customer Service	9:15:25	0:02:12	132	24
190	C2	C	Cashier	9:15:31	0:00:06	6	40
191	A2	A	Customer Service	9:15:57	0:00:26	26	31
192	A3	A	Customer Service	9:16:17	0:00:20	20	49
193	B2	B	Sales dan Quick Service	9:18:02	0:01:45	105	37
194	C3	C	Cashier	9:23:40	0:05:38	338	44
195	A4	A	Customer Service	9:24:00	0:00:20	20	50
196	A5	A	Customer Service	9:24:37	0:00:37	37	50
197	C4	C	Cashier	9:29:18	0:04:41	281	51
198	A6	A	Customer Service	9:33:13	0:03:55	235	45
199	B3	B	Sales dan Quick Service	9:35:34	0:02:21	141	60
200	A7	A	Customer Service	9:36:50	0:01:16	76	42
201	A8	A	Customer Service	9:39:02	0:02:12	132	33
202	C5	C	Cashier	9:40:19	0:01:17	77	42
203	B4	B	Sales dan Quick Service	9:40:47	0:00:28	28	48
204	C6	C	Cashier	9:43:11	0:02:24	144	29
205	A9	A	Customer Service	9:44:59	0:01:48	108	49
206	C7	C	Cashier	9:49:20	0:04:21	261	46
207	A10	A	Customer Service	9:50:16	0:00:56	56	29
208	A11	A	Customer Service	9:51:44	0:01:28	88	48
209	C8	C	Cashier	9:51:58	0:00:14	14	53
210	A12	A	Customer Service	9:56:01	0:04:03	243	37
211	B5	B	Sales dan Quick Service	9:56:40	0:00:39	39	40
212	A13	A	Customer Service	9:58:31	0:01:51	111	32
213	C9	C	Cashier	10:00:15	0:01:44	104	40
214	A14	A	Customer Service	10:01:36	0:01:21	81	33
215	C10	C	Cashier	10:01:43	0:00:07	7	39
216	A15	A	Customer Service	10:02:27	0:00:44	44	27
217	B6	B	Sales dan Quick Service	10:08:58	0:06:31	391	48
218	A16	A	Customer Service	10:09:43	0:00:45	45	32
219	C11	C	Cashier	10:10:12	0:00:29	29	32
220	A17	A	Customer Service	10:13:25	0:03:13	193	43
221	B7	B	Sales dan Quick Service	10:14:14	0:00:49	49	56
222	C12	C	Cashier	10:17:45	0:03:31	221	55
223	A18	A	Customer Service	10:18:24	0:00:39	39	40
224	A19	A	Customer Service	10:18:32	0:00:08	8	46
225	C13	C	Cashier	10:18:36	0:00:04	4	45
226	A20	A	Customer Service	10:19:12	0:00:36	36	33
227	C14	C	Cashier	10:23:25	0:04:13	253	42
228	A21	A	Customer Service	10:31:51	0:08:26	506	32
229	B8	B	Sales dan Quick Service	10:33:10	0:01:19	69	56
230	C15	C	Cashier	10:34:06	0:00:56	56	62
231	A22	A	Customer Service	10:35:06	0:01:00	60	35
232	B9	B	Sales dan Quick Service	10:38:44	0:03:38	218	39
233	C16	C	Cashier	10:39:27	0:00:43	43	45
234	B10	B	Sales dan Quick Service	10:44:28	0:05:01	301	58
235	A23	A	Customer Service	10:45:01	0:00:33	33	57
236	C17	C	Cashier	10:45:43	0:00:42	42	37
237	A24	A	Customer Service	10:46:16	0:00:33	33	42
238	C18	C	Cashier	10:47:05	0:00:49	49	57
239	A25	A	Customer Service	10:49:01	0:01:56	116	28
240	B11	B	Sales dan Quick Service	10:50:43	0:01:42	102	56
241	C19	C	Cashier	10:51:19	0:00:36	36	35
242	B12	B	Sales dan Quick Service	10:52:42	0:01:23	83	48
243	C20	C	Cashier	10:53:13	0:00:31	31	38
244	B13	B	Sales dan Quick Service	10:53:50	0:00:37	37	44
245	A26	A	Customer Service	10:53:56	0:00:06	6	57
246	C21	C	Cashier	10:55:40	0:01:44	104	40
247	A27	A	Customer Service	10:56:06	0:00:26	26	22
248	B14	B	Sales dan Quick Service	10:56:24	0:00:18	18	31
249	A28	A	Customer Service	10:57:35	0:01:11	71	42
250	A29	A	Customer Service	10:57:57	0:00:22	22	40
251	C22	C	Cashier	10:58:57	0:01:00	60	42
252	A30	A	Customer Service	10:59:55	0:00:58	58	26

253	C23	C	Cashier	11:02:14	0:02:19	139	51
254	A31	A	Customer Service	11:06:30	0:04:16	256	32
255	B15	B	Sales dan Quick Service	11:07:33	0:01:03	63	22
256	C24	C	Cashier	11:09:53	0:02:20	140	47
257	A32	A	Customer Service	11:14:12	0:04:19	259	40
258	A33	A	Customer Service	11:15:27	0:01:15	75	36
259	C25	C	Cashier	11:22:26	0:06:59	419	40
260	A34	A	Customer Service	11:23:00	0:00:34	34	45
261	C26	C	Cashier	11:23:16	0:00:16	16	46
262	B16	B	Sales dan Quick Service	11:26:39	0:03:23	203	21
263	A35	A	Customer Service	11:28:10	0:01:31	91	64
264	B17	B	Sales dan Quick Service	11:28:18	0:00:08	8	42
265	C27	C	Cashier	11:28:53	0:00:35	35	37
266	A36	A	Customer Service	11:28:58	0:00:05	5	41
267	C28	C	Cashier	11:30:46	0:01:48	108	48
268	A37	A	Customer Service	11:32:04	0:01:18	78	39
269	C29	C	Cashier	11:37:18	0:05:14	314	44
270	A38	A	Customer Service	11:37:21	0:00:03	3	62
271	B18	B	Sales dan Quick Service	11:42:35	0:05:14	314	51
272	B19	B	Sales dan Quick Service	11:43:20	0:00:45	45	41
273	A39	A	Customer Service	11:43:49	0:00:29	29	41
274	C30	C	Cashier	11:47:34	0:03:45	225	40
275	A40	A	Customer Service	11:47:41	0:00:07	7	59
276	C31	C	Cashier	11:53:46	0:06:05	365	34
277	B20	B	Sales dan Quick Service	11:53:58	0:00:12	12	40
278	A41	A	Customer Service	11:57:04	0:03:06	186	52
279	A1	A	Customer Service	8:49:00			54
280	C1	C	Cashier	8:49:46	0:00:46	46	40
281	B1	B	Sales dan Quick Service	8:51:31	0:01:45	105	53
282	C2	C	Cashier	8:52:28	0:00:57	57	53
283	C3	C	Cashier	8:53:09	0:00:41	41	48
284	A2	A	Customer Service	8:54:05	0:00:56	56	38
285	A3	A	Customer Service	8:54:07	0:00:02	2	32
286	B2	B	Sales dan Quick Service	8:56:02	0:01:55	115	37
287	A4	A	Customer Service	8:57:05	0:01:03	63	35
288	C4	C	Cashier	8:57:56	0:00:51	51	59
289	A5	A	Customer Service	8:58:38	0:00:42	42	56
290	B3	B	Sales dan Quick Service	9:02:15	0:03:37	217	57
291	C5	C	Cashier	9:02:51	0:00:36	36	42
292	A6	A	Customer Service	9:03:20	0:00:29	29	31
293	A7	A	Customer Service	9:04:39	0:01:19	79	31
294	B4	B	Sales dan Quick Service	9:06:22	0:01:43	103	24
295	A8	A	Customer Service	9:09:16	0:02:54	174	42
296	C6	C	Cashier	9:09:40	0:00:24	24	44
297	A9	A	Customer Service	9:10:11	0:00:31	31	42
298	A10	A	Customer Service	9:10:50	0:00:39	39	46
299	C7	C	Cashier	9:20:39	0:09:49	589	20
300	A11	A	Customer Service	9:21:34	0:00:55	55	31
301	B5	B	Sales dan Quick Service	9:21:40	0:00:06	6	50
302	A12	A	Customer Service	9:31:50	0:10:10	610	43
303	B6	C	Cashier	9:32:04	0:00:14	14	31
304	A13	A	Customer Service	9:33:55	0:01:51	111	24
305	A14	A	Customer Service	9:34:02	0:00:07	7	32
306	C8	C	Cashier	9:34:18	0:00:16	16	47
307	B7	B	Sales dan Quick Service	9:36:33	0:02:15	135	56
308	A15	A	Customer Service	9:36:45	0:00:12	12	60
309	C9	C	Cashier	9:37:17	0:00:32	32	20
310	A16	A	Customer Service	9:38:48	0:01:31	91	57
311	B8	B	Sales dan Quick Service	9:40:00	0:01:12	72	41
312	C10	C	Cashier	9:42:25	0:02:25	145	43
313	A17	A	Customer Service	9:42:50	0:00:25	25	25
314	A18	A	Customer Service	9:43:01	0:00:11	11	39
315	C11	C	Cashier	9:43:40	0:00:39	39	53
316	B9	B	Sales dan Quick Service	9:45:55	0:02:15	135	41
317	A19	A	Customer Service	9:46:57	0:01:02	62	34
318	A20	A	Customer Service	9:47:36	0:00:39	39	67
319	C12	C	Cashier	9:47:50	0:00:14	14	46
320	A21	A	Customer Service	9:48:00	0:00:10	10	36

321	B10	B	Sales dan Quick Service	9:48:53	0:00:53	53	37
322	A22	A	Customer Service	9:49:07	0:00:14	14	35
323	C13	C	Cashier	9:50:03	0:00:56	56	39
324	A23	A	Customer Service	9:51:12	0:01:09	69	34
325	B11	B	Sales dan Quick Service	9:51:54	0:00:42	42	30
326	A24	A	Customer Service	9:53:32	0:01:38	98	59
327	C14	C	Cashier	9:59:57	0:06:25	385	43
328	B12	B	Sales dan Quick Service	10:00:14	0:00:17	17	29
329	A25	A	Customer Service	10:01:40	0:01:26	86	52
330	C15	C	Cashier	10:02:39	0:00:59	59	29
331	A26	A	Customer Service	10:06:32	0:03:53	233	27
332	C16	C	Cashier	10:10:11	0:03:39	219	48
333	A27	A	Customer Service	10:10:40	0:00:29	29	45
334	B13	B	Sales dan Quick Service	10:22:25	0:11:45	705	32
335	C17	C	Cashier	10:23:28	0:01:03	63	29
336	A28	A	Customer Service	10:25:12	0:01:44	104	59
337	B14	B	Sales dan Quick Service	10:26:12	0:01:00	60	39
338	C18	C	Cashier	10:27:00	0:00:48	48	47
339	A29	A	Customer Service	10:30:27	0:03:27	207	45
340	C19	C	Cashier	10:32:46	0:02:19	139	54
341	B15	B	Sales dan Quick Service	10:35:29	0:02:43	163	33
342	B16	B	Sales dan Quick Service	10:35:33	0:00:04	4	60
343	A30	A	Customer Service	10:46:58	0:11:25	685	42
344	A31	A	Customer Service	10:48:10	0:01:12	72	26
345	C20	C	Cashier	10:50:42	0:02:32	152	51
346	C21	C	Cashier	10:52:56	0:02:14	134	38
347	A32	A	Customer Service	10:54:35	0:01:39	99	42
348	A33	A	Customer Service	10:56:00	0:01:25	85	55
349	A34	A	Customer Service	11:01:50	0:05:50	350	65
350	C22	C	Cashier	11:02:55	0:01:05	65	36
351	A35	A	Customer Service	11:04:30	0:01:35	95	45
352	A36	A	Customer Service	11:05:52	0:01:22	82	48
353	C23	C	Cashier	11:06:31	0:00:39	39	37
354	A37	A	Customer Service	11:11:09	0:04:38	278	48
355	C24	C	Cashier	11:12:12	0:01:03	63	31
356	A38	A	Customer Service	11:12:28	0:00:16	16	52
357	A39	A	Customer Service	11:13:16	0:00:48	48	30
358	A40	A	Customer Service	11:14:08	0:00:52	52	34
359	A41	A	Customer Service	11:16:02	0:01:54	114	45
360	C25	C	Cashier	11:18:25	0:02:23	143	44
361	A42	A	Customer Service	11:19:32	0:01:07	67	19

Lampiran Data Simulasi Model Awal

Replikasi	Jumlah Pelanggan				Waktu Pelayanan				Lama Mengantri	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales dan quick service Terlayani	CS	Cashier	Sales	Ambil Nomer	Ambil nomer	Dilayani
1	0	60	73	54	3109.37	270.74	646.06	40.18	17.53	2842.81
2	25	65	50	54	2181.19	265.95	684.50	41.87	14.45	3634.26
3	6	58	44	53	3262.55	273.44	623.36	40.20	14.99	2049.41
4	16	62	50	57	2811.19	271.35	548.69	40.52	13.46	3600.27
5	12	61	62	53	2846.88	253.35	730.42	40.34	15.64	2415.02
6	23	63	47	47	3375.82	289.27	707.17	42.18	10.59	3019.27
7	5	62	52	49	2682.74	264.54	708.49	39.59	14.41	2252.18
8	21	63	59	53	2704.79	316.08	579.57	42.26	7.97	2504.63
9	18	63	70	51	2696.20	282.29	606.50	40.69	14.34	3480.05
10	7	65	55	49	2187.55	266.03	736.24	41.11	12.99	1603.78
11	13	60	63	49	2580.34	268.68	667.11	40.76	13.26	2759.75
12	0	63	57	41	3382.19	256.61	701.73	39.06	12.57	2189.78
13	24	65	57	52	2647.15	286.60	683.04	41.54	7.34	1538.02
14	19	69	44	49	2485.40	281.71	771.34	42.41	19.26	2857.13
15	0	60	62	46	2722.83	248.94	681.87	40.86	13.76	1623.87
16	17	61	58	55	2958.28	262.64	628.58	40.66	16.64	2594.00
17	0	62	41	50	3151.65	297.82	620.86	41.60	15.59	1906.28
18	0	63	67	54	2189.30	247.92	656.75	41.06	9.81	2265.73
19	0	67	75	51	2582.74	268.07	676.55	40.32	15.99	3235.79
20	15	59	71	40	3106.88	251.08	703.91	41.79	15.44	3124.26
21	31	62	45	55	3101.27	260.86	641.82	40.11	10.96	1221.56
22	0	60	65	49	2518.51	258.38	900.03	41.28	8.85	1924.99
23	8	65	58	47	2290.25	288.66	641.62	40.34	13.62	1874.61
24	2	64	55	43	2818.82	261.43	772.66	42.04	12.92	3089.30
25	0	58	58	43	2830.96	272.02	814.32	39.77	13.55	2607.11
26	9	61	71	38	2772.54	243.06	687.79	41.92	11.06	1534.38
27	10	65	61	54	3619.72	283.28	671.18	41.91	12.15	2547.30
28	0	64	59	48	3156.14	269.53	744.72	41.56	8.59	540.10
29	0	61	58	47	2722.01	286.28	731.90	41.15	16.99	3401.76
30	0	65	69	49	2589.96	264.62	661.00	41.04	11.62	2412.14
31	0	60	68	42	2720.97	272.18	720.22	41.61	16.58	2845.14
32	0	57	49	45	3442.54	280.49	684.34	42.74	14.38	3024.70
33	39	64	49	49	2284.86	287.23	705.88	40.70	13.87	3550.76
34	0	64	55	48	2571.96	249.56	572.54	40.66	11.75	2539.74
35	20	62	49	50	3136.88	282.25	650.63	40.94	18.24	2812.94
36	0	66	57	51	2734.97	322.81	616.98	41.29	12.39	2216.94
37	10	65	46	54	3225.38	267.69	646.09	40.49	13.73	2484.12
38	7	64	54	46	3383.48	257.39	756.38	41.44	14.62	2977.78
39	0	61	75	49	2466.00	273.28	606.07	42.01	10.63	2800.49
40	16	61	68	54	2896.40	262.77	615.85	41.17	10.50	2713.35
41	14	63	60	46	2807.60	244.62	691.85	42.03	15.62	3044.07
42	0	63	62	47	2741.40	256.09	608.97	39.73	14.82	2174.12
43	24	61	46	51	2807.78	280.00	702.66	41.32	11.22	2773.33
44	0	64	48	48	2801.07	272.84	713.48	40.67	12.60	1512.55
45	0	66	58	47	2926.25	271.11	682.69	41.24	9.42	2086.53
46	10	70	79	47	2485.48	251.84	704.75	41.89	8.78	2698.49
47	13	56	50	52	3749.09	294.21	652.06	41.22	12.75	2824.53
48	9	63	56	49	2856.20	269.76	625.62	41.74	11.67	2271.83
49	18	60	60	45	3078.08	263.19	803.87	40.47	14.89	1621.88
50	3	64	60	52	2899.91	255.41	704.52	41.22	19.53	2376.53
51	35	56	53	50	2938.43	290.94	661.31	41.92	16.33	3440.19
52	0	59	64	45	2842.94	257.07	658.93	42.10	9.98	2778.70
53	0	62	58	49	2156.07	256.48	715.20	39.60	10.93	2490.17
54	21	63	50	55	2961.62	269.73	605.54	41.15	14.56	3780.17
55	0	63	52	49	2945.73	289.26	611.87	42.16	8.77	2695.20
56	12	65	45	50	2497.47	284.26	622.43	41.15	9.17	2303.03
57	8	66	50	44	3183.37	271.10	803.79	41.59	8.18	1791.45

58	11	60	57	43	2879.35	290.19	681.58	41.25	8.77	1666.62
59	12	61	51	46	2838.38	276.30	713.57	41.50	17.22	3375.35
60	31	61	52	51	3277.28	297.74	673.29	41.50	13.16	2711.40
61	18	63	53	54	3154.74	280.44	587.73	40.74	14.77	3283.94
62	24	65	51	53	3118.52	282.50	651.39	41.51	18.61	1335.99
63	9	59	47	40	2880.48	223.12	836.44	40.30	19.09	3157.16
64	0	63	63	42	2502.34	269.97	648.24	40.75	12.47	1687.36
65	0	63	69	45	2927.89	237.63	662.95	40.46	12.67	3130.26
66	0	64	47	53	2578.19	280.20	638.81	40.38	9.53	1754.79
67	0	61	58	43	2837.53	246.05	669.46	41.00	19.86	3915.18
68	3	55	59	45	3430.16	278.05	712.46	41.30	17.48	3420.60
69	0	66	67	54	2838.44	264.47	680.94	39.81	14.74	3096.90
70	0	59	41	55	3246.89	248.81	663.86	41.30	10.50	2224.36
71	11	64	49	49	2958.69	269.11	731.37	41.91	10.38	999.07
72	8	67	46	49	2579.14	269.95	740.91	41.69	11.92	2254.99
73	0	62	53	40	2861.25	275.38	732.56	40.97	16.49	3165.42
74	31	62	41	51	2825.36	291.14	596.00	41.06	10.54	1988.38
75	14	61	54	48	2499.71	284.81	647.69	40.91	10.72	2086.24
76	8	71	58	53	2648.11	248.31	655.88	40.73	8.85	2365.91
77	18	64	69	54	2740.09	274.89	657.98	40.96	14.01	1910.72
78	14	64	57	53	2571.78	274.82	755.22	41.21	16.91	2760.85
79	0	64	41	44	3622.87	268.74	702.24	41.05	10.79	2144.70
80	15	65	48	51	2830.08	292.09	668.47	41.29	13.06	2577.84
81	14	60	53	59	3258.57	278.54	734.20	40.25	11.77	2105.99
82	36	62	45	48	2740.01	288.26	728.58	42.26	15.20	3036.35
83	6	61	51	50	2498.59	280.99	600.79	42.10	14.71	2861.66
84	0	66	54	49	2325.74	267.73	648.71	40.09	13.18	2007.31
85	10	70	50	44	2146.52	280.58	767.82	42.68	12.16	2492.04
86	13	62	64	51	3098.78	247.13	783.33	40.85	14.32	3035.26
87	27	64	56	42	3136.08	262.81	737.85	41.12	14.98	3489.28
88	0	61	56	52	3440.46	277.96	717.76	40.52	14.83	2306.21
89	1	66	51	50	2645.94	276.00	754.91	40.96	10.57	3295.47
90	36	65	44	50	3179.19	283.73	666.40	40.61	16.11	2513.74
91	0	70	50	49	2584.71	306.18	749.05	40.05	9.78	2813.24
92	1	59	50	42	3138.93	254.82	856.67	41.58	16.37	2214.43
93	4	63	44	57	2693.26	261.18	541.12	40.70	10.85	3092.33
94	0	54	69	48	3081.49	246.24	701.65	42.40	11.64	2591.30
95	0	66	64	50	2627.67	266.69	662.86	40.61	19.68	3031.19
96	0	66	74	42	2860.69	246.71	633.21	41.22	16.87	3050.55
97	2	59	64	44	3185.15	269.89	771.28	42.16	13.91	1897.04
98	0	59	44	44	3049.65	259.89	704.22	41.61	13.39	1778.37
99	20	61	47	45	2687.58	282.13	681.62	41.22	11.56	2754.57
100	14	58	61	51	3575.66	243.73	641.99	41.32	11.73	3225.82
101	9	66	54	47	2940.94	253.89	715.61	40.71	12.19	1316.93
102	8	58	59	39	3091.14	262.34	731.79	41.91	11.20	2841.63
103	9	60	54	48	3223.83	247.98	661.65	40.41	9.88	2341.46
104	9	65	55	53	3248.25	277.68	601.94	40.94	20.00	1758.21
105	0	60	50	52	3148.11	256.21	707.51	41.38	13.70	2297.32
106	4	62	50	49	2721.25	257.77	683.26	40.58	9.14	1183.20
107	0	61	54	41	3238.85	276.94	682.61	40.70	14.65	3441.29
108	12	60	51	58	3221.24	292.74	682.55	41.79	9.30	1583.59
109	5	62	52	46	2862.08	263.20	681.05	41.19	12.86	2793.12
110	5	60	50	53	2740.25	246.81	658.74	42.66	20.03	1171.74
111	0	70	51	46	2715.74	272.55	619.03	41.77	12.91	2508.50
112	15	57	46	42	3155.82	270.79	757.02	41.76	14.22	2060.29
113	0	67	47	43	2781.06	288.31	806.67	41.19	11.28	3463.78
114	13	65	56	48	2541.85	298.82	732.73	42.04	12.21	1062.02
115	0	66	43	53	3298.28	282.74	740.71	42.38	17.44	2329.37
116	9	62	60	51	2652.99	281.24	664.58	41.49	12.78	2977.39
117	0	64	59	54	2756.25	245.08	604.08	41.58	18.59	2217.92
118	13	65	63	48	2678.46	285.33	769.49	40.89	19.10	2631.78
119	0	63	60	49	3227.29	255.63	722.85	39.62	14.79	2144.64
120	17	63	48	48	2440.34	273.74	625.01	40.78	18.70	2613.25
121	8	61	48	51	2826.75	299.21	596.95	40.30	13.96	2589.94

122	5	64	51	51	2953.64	284.66	619.79	41.63	14.72	2557.98
123	0	59	57	40	2905.40	289.28	664.84	41.81	10.74	1361.12
124	0	67	52	48	2657.28	253.83	647.31	40.13	11.95	2615.14
125	0	66	67	48	2390.18	277.06	661.80	42.02	13.55	3153.97
126	10	70	52	42	2558.35	270.93	686.03	41.21	12.99	2624.45
127	3	62	57	43	2374.31	245.42	849.31	41.01	14.69	2540.73
128	0	60	66	51	2667.20	271.08	641.33	39.18	12.94	1432.35
129	0	63	49	47	3077.66	291.29	662.66	40.61	13.64	2676.65
130	16	59	62	50	2935.14	236.42	649.40	41.09	16.23	2742.29
131	4	64	54	44	2444.36	280.00	699.66	41.17	9.71	1828.85
132	0	64	60	54	2998.49	267.33	623.10	41.85	11.71	2388.54
133	0	63	62	51	2911.23	251.73	669.28	39.64	8.88	1677.29
134	17	59	55	41	2586.06	299.72	734.20	40.88	10.77	3419.99
135	25	64	68	31	3250.91	271.00	552.40	39.60	14.43	2164.71
136	12	59	61	47	2804.51	244.76	731.93	41.34	13.68	2740.57
137	22	61	49	47	2707.23	298.37	722.92	40.30	14.79	2439.13
138	0	63	66	48	3210.44	275.18	712.61	41.34	14.50	2718.20
139	18	59	63	45	2809.37	258.05	762.70	42.23	13.02	1593.35
140	0	64	50	48	2316.30	269.24	711.05	40.76	15.49	3086.25
141	5	61	62	44	2899.13	260.85	745.09	40.93	17.03	2350.98
142	0	59	67	51	2640.34	243.92	666.78	41.15	8.83	2707.35
143	8	61	54	46	2755.74	261.04	658.34	39.57	17.55	2867.97
144	10	65	56	46	3148.62	261.46	693.66	42.19	19.41	2690.78
145	7	59	67	48	2988.76	242.33	579.56	41.62	11.58	3327.91
146	0	64	44	56	2039.13	293.58	659.49	41.11	14.84	2259.73
147	28	60	50	50	3036.61	250.20	607.88	40.57	10.37	2340.82
148	0	63	68	46	2795.70	280.88	677.81	42.94	15.12	3505.24
149	32	66	56	45	2640.53	270.72	733.72	41.27	16.55	2316.59
150	0	66	51	44	2104.62	290.12	660.73	41.91	9.88	3163.89
151	9	68	56	50	2581.87	248.32	717.23	39.59	15.97	3273.45
152	0	64	68	50	2420.22	270.87	699.13	40.59	14.21	2898.18
153	0	59	61	49	2702.55	264.15	602.05	41.53	7.13	1112.94
154	0	62	56	43	3122.16	230.51	710.80	40.69	12.14	1939.18
155	1	64	54	45	3204.76	266.35	696.81	41.21	14.22	3799.99
156	0	60	71	51	2610.19	235.98	723.88	40.69	17.65	3311.55
157	0	58	57	48	3076.28	280.85	675.56	41.19	11.76	1576.30
158	0	62	63	49	3073.84	265.52	594.58	41.47	17.89	3367.34
159	0	69	61	38	2233.21	260.25	738.08	42.35	15.52	2667.51
160	0	64	57	40	2944.46	262.56	790.72	40.86	11.55	1158.63
161	11	63	57	49	3172.78	252.24	635.34	40.34	15.66	1585.86
162	6	61	56	46	2934.24	280.26	654.21	41.93	14.79	3612.34
163	4	60	69	43	3230.66	254.10	625.76	41.18	14.08	2118.67
164	10	64	59	47	2911.58	230.71	664.11	39.71	11.66	1589.64
165	37	62	48	54	2469.01	294.02	652.05	41.25	13.74	2302.78
166	23	63	40	51	2691.91	273.43	774.86	41.24	15.63	2825.14
167	0	60	45	53	2585.47	285.16	738.83	39.65	10.45	1881.46
168	0	65	66	47	2782.53	250.79	656.12	42.10	12.88	1933.79
169	2	65	48	57	3181.85	302.97	722.07	41.29	9.71	2109.64
170	0	62	67	41	2999.92	269.32	675.85	41.51	10.83	2785.61
171	0	64	60	53	2775.93	274.21	688.19	41.53	14.21	2378.46
172	35	64	54	43	2672.25	278.22	657.08	40.96	15.11	2154.59
173	0	62	55	57	3040.93	230.18	670.80	41.49	11.75	2479.07
174	0	60	52	42	2726.27	279.54	781.77	41.33	8.67	2615.64
175	0	60	41	47	2754.12	289.72	711.73	42.22	13.35	2046.00
176	3	61	54	46	2767.67	254.30	633.18	40.33	12.30	3186.34
177	34	64	54	48	3082.97	264.57	650.97	41.11	15.89	2275.19
178	16	65	39	51	2925.17	269.08	654.41	41.64	17.55	3077.65
179	0	64	54	46	2516.82	274.11	655.05	40.99	13.05	2643.13
180	0	64	59	54	2052.54	261.73	590.23	39.75	14.82	4159.88
181	0	63	62	48	2987.67	263.37	706.99	41.36	12.53	2838.16
182	1	61	73	43	2915.82	236.52	702.65	41.14	14.92	2444.37
183	20	59	64	45	2628.38	270.85	642.94	39.46	11.81	2012.79
184	9	64	66	43	2741.18	258.91	626.23	41.65	10.33	2309.28
185	12	64	56	45	2803.62	271.06	731.30	41.28	10.02	2786.10

186	21	69	53	46	2523.14	266.98	770.68	42.02	12.58	3271.14
187	0	65	57	45	2756.57	268.02	729.85	41.57	15.91	1841.04
188	0	63	68	52	2585.92	274.92	721.07	41.92	14.00	2013.03
189	0	63	58	50	3036.70	254.22	504.03	40.21	16.37	2458.29
190	0	64	54	50	2516.40	284.14	647.84	40.30	10.59	2064.73
191	12	64	51	43	2921.73	270.86	707.64	41.73	12.54	1593.58
192	12	59	57	49	2292.53	272.52	726.04	39.73	9.42	2055.51
193	28	61	46	52	2850.80	286.88	596.51	41.50	13.25	2164.40
194	13	67	64	50	2552.31	234.32	672.31	42.19	9.36	1359.88
195	23	61	67	48	2493.51	264.78	732.51	40.47	14.16	2486.49
196	0	60	53	47	2667.56	275.08	604.42	41.16	10.36	2252.92
197	20	65	44	41	3421.39	282.57	684.09	40.49	13.57	2900.74
198	3	64	53	49	3261.91	285.68	684.60	40.42	16.94	2748.44
199	0	67	47	41	2590.12	298.24	704.78	42.21	11.24	1252.39
200	1	57	67	47	3287.78	260.83	679.06	41.02	10.32	3139.42
201	1	61	62	47	2744.10	239.72	608.92	40.03	10.51	2267.27
202	4	60	47	44	2572.18	250.58	631.74	41.05	16.12	3284.60
203	13	61	38	51	3194.55	312.41	646.66	40.74	9.88	2338.23
204	0	63	63	49	3532.47	279.73	706.87	41.55	12.52	2532.05
205	17	63	49	45	2789.37	261.94	695.27	41.31	8.60	2393.97
206	12	61	46	43	3143.71	284.71	619.21	42.74	10.64	1878.59
207	10	63	68	52	2919.81	264.03	613.27	40.66	11.86	2149.77
208	4	59	65	49	3403.98	256.41	634.35	40.85	8.23	1825.62
209	3	66	60	51	2686.77	276.88	750.92	41.59	11.01	2773.52
210	13	64	61	44	2890.13	281.78	864.65	40.83	9.69	2972.89
211	0	60	55	47	3029.49	276.24	657.97	41.60	11.94	2991.80
212	28	62	57	43	2804.67	266.90	729.18	41.42	11.77	1924.46
213	0	61	65	51	3091.25	271.29	566.96	42.52	8.86	1850.93
214	0	62	47	42	3115.97	291.95	811.95	40.31	11.97	2541.96
215	34	63	53	48	2485.20	258.92	713.36	41.34	15.90	2545.69
216	10	60	61	52	3235.23	246.20	636.36	40.89	13.19	3433.08
217	5	64	49	49	2432.37	278.97	670.21	41.65	11.25	1541.96
218	0	60	47	47	2831.75	258.15	602.85	41.35	13.56	2539.60
219	3	64	60	49	2658.84	272.41	715.46	42.02	14.94	3636.70
220	9	65	57	44	3150.02	252.97	639.50	41.35	11.70	3377.60
221	2	61	62	42	2357.71	298.27	737.77	40.11	11.33	1970.48
222	10	66	51	48	3114.15	263.28	826.86	40.98	12.80	2791.74
223	16	60	49	44	2472.60	300.81	708.88	41.55	14.15	2473.46
224	12	65	54	53	2485.53	268.89	730.71	40.49	13.47	3271.54
225	13	63	43	43	2887.08	283.81	743.21	41.41	9.23	2351.88
226	14	68	63	40	2342.68	246.63	695.93	40.98	13.19	2862.48
227	0	62	59	49	2885.89	225.17	774.88	41.86	12.64	1569.72
228	3	67	43	51	2812.61	262.67	600.95	41.17	8.16	928.45
229	0	62	44	39	2837.10	307.19	595.73	41.36	12.55	3008.50
230	10	63	47	51	2855.31	281.54	671.93	40.76	12.33	3413.78
231	9	63	46	47	2387.16	304.00	685.56	40.99	10.22	1569.04
232	6	64	69	46	2547.46	240.13	757.20	41.38	12.74	2700.80
233	9	64	43	51	2607.78	283.48	692.47	41.15	14.96	3448.37
234	13	57	65	47	2625.50	270.84	707.54	41.40	10.21	2442.49
235	25	57	56	44	3128.81	263.19	624.91	40.79	13.61	2170.18
236	3	66	49	46	2767.84	254.03	692.08	40.89	10.61	2042.99
237	0	61	49	46	3281.28	269.36	682.00	40.60	17.35	2618.35
238	11	63	50	39	2664.30	274.41	638.89	41.87	13.63	2607.04
239	0	59	56	49	3539.07	274.30	670.39	41.52	10.70	3357.07
240	14	62	63	50	2590.22	266.80	537.11	41.44	12.75	1461.73
241	28	64	56	47	2741.52	275.69	684.56	41.20	13.11	2836.52
242	14	60	67	50	3178.62	246.95	733.98	41.49	11.98	1988.79
243	0	66	75	46	2148.08	257.10	686.05	41.44	11.86	2570.43
244	9	62	40	58	2917.68	274.37	656.94	40.94	16.02	3575.48
245	0	68	51	55	2612.06	249.96	579.52	41.61	13.48	1523.52
246	0	63	56	46	2765.23	285.41	716.70	41.40	17.43	3409.66
247	16	61	51	46	2661.80	275.21	713.15	42.21	14.94	3488.45
248	21	67	43	45	2726.40	285.45	748.18	42.26	13.86	2720.46
249	2	58	53	55	3625.54	260.97	653.22	42.19	13.66	2466.13

250	19	64	50	50	2348.80	283.35	691.08	40.65	14.40	3187.88
251	0	62	57	50	2960.18	246.56	650.43	40.70	11.76	2590.64
252	8	64	51	49	2341.17	295.73	698.06	41.03	13.93	2833.64
253	23	65	53	42	2519.60	283.61	666.73	40.45	11.14	2342.73
254	5	59	58	40	3278.67	290.27	689.45	41.59	11.71	1611.38
255	4	63	51	39	2512.42	253.93	716.21	41.42	12.51	2300.53
256	26	64	38	50	3073.60	263.66	651.14	41.93	15.41	3525.38
257	0	61	57	45	2216.31	265.78	659.96	39.79	8.88	3235.83
258	0	62	52	51	2655.04	271.96	783.12	40.99	15.24	2613.48
259	6	66	49	46	2715.32	267.26	671.56	42.32	10.06	2526.34
260	11	63	62	50	2967.05	278.83	652.49	40.10	13.83	2039.54
261	0	59	61	51	2734.27	265.92	624.11	42.29	13.33	2675.26
262	0	61	57	54	2751.23	264.60	651.07	40.33	15.30	3635.37
263	0	62	46	48	2470.76	261.98	665.84	41.42	10.03	2062.04
264	0	64	50	46	2757.75	292.94	687.24	42.85	18.85	2280.14
265	12	68	57	46	3134.59	234.37	697.21	40.95	17.83	2352.74
266	24	63	61	42	2369.38	257.12	745.10	41.16	14.90	2786.76
267	0	65	65	54	3110.12	271.58	628.97	41.10	10.97	2478.16
268	9	67	61	41	2352.18	270.90	759.43	41.09	11.85	1123.76
269	0	65	62	49	2641.93	264.62	769.85	40.96	12.17	2921.43
270	0	67	52	48	2811.60	277.30	650.71	42.04	12.54	3021.23
271	11	70	55	49	2659.51	261.90	635.99	41.28	6.14	1310.69
272	20	64	63	41	2547.16	263.38	725.50	39.86	17.95	3350.49
273	30	62	72	55	2787.41	273.92	672.90	40.20	17.46	2227.26
274	14	59	57	47	2418.52	280.43	670.61	42.37	10.75	1901.96
275	7	61	59	45	2906.80	271.84	654.35	40.95	14.03	1961.41
276	6	72	59	49	3021.93	279.17	821.35	41.93	9.65	2294.37
277	17	69	54	45	3114.12	273.84	683.53	42.41	19.32	3466.35
278	14	61	62	48	2944.53	252.13	643.89	41.71	11.42	1651.95
279	31	67	56	57	2760.73	285.18	593.82	42.26	10.59	1830.14
280	7	62	57	50	3072.98	263.61	607.14	41.96	14.97	3219.43
281	15	66	52	53	2837.68	273.37	654.12	42.49	14.33	1993.23
282	0	63	70	45	3016.06	270.96	586.61	41.15	16.52	3380.25
283	0	61	56	43	2867.87	258.40	645.81	40.99	16.16	1806.78
284	15	60	44	48	2764.15	279.86	622.56	40.48	12.59	2666.50
285	34	60	57	43	2975.56	293.37	707.85	40.71	14.17	2853.25
286	0	68	59	49	2578.02	235.20	676.01	41.50	16.41	2945.74
287	22	64	43	45	3012.43	262.25	639.33	41.35	14.17	2345.59
288	44	59	55	50	3036.76	264.22	716.98	40.32	14.35	2069.16
289	0	64	64	46	2464.10	262.44	658.41	41.14	14.10	1889.19
290	4	61	56	48	2655.12	241.23	727.41	41.29	13.22	2483.80
291	0	64	51	56	2543.40	259.96	681.98	40.99	13.08	2210.58
292	25	62	65	52	3304.90	255.44	649.62	40.81	13.56	1212.97
293	0	61	45	48	2839.57	249.44	684.29	41.10	15.42	3240.41
294	6	63	65	54	3825.76	271.83	569.26	41.31	13.64	2435.84
295	16	67	67	49	2364.78	242.24	795.69	40.90	24.05	1591.74
296	0	68	57	48	2397.20	257.15	750.09	41.34	11.32	2806.77
297	9	65	43	43	3175.76	294.44	616.28	41.37	11.48	2220.20
298	9	67	59	43	2208.98	284.37	631.13	41.62	17.13	1886.52
299	15	66	54	51	2834.01	231.33	689.45	40.85	13.77	2485.11
300	9	63	58	45	2985.21	291.63	553.91	40.34	13.95	2975.24
301	15	66	58	45	2479.07	247.48	654.80	40.71	11.95	3306.25
302	15	62	45	44	3149.68	242.70	676.44	40.36	18.22	3187.55
303	0	60	50	51	3304.90	251.33	691.60	42.71	12.74	2001.47
304	3	60	48	48	3135.90	246.83	703.23	39.58	11.23	3542.75
305	1	64	50	42	2891.48	265.49	798.41	41.61	12.67	3002.53
306	1	64	58	42	2384.20	302.14	824.39	40.91	12.10	2555.37
307	0	68	56	42	2275.85	257.22	691.84	41.50	17.13	3151.25
308	5	58	52	49	3051.64	274.12	643.20	40.84	14.08	2409.42
309	28	61	57	50	3033.86	258.56	610.58	40.17	15.23	2019.96
310	0	60	45	51	3040.10	302.67	688.30	41.35	10.17	2404.95
311	28	57	64	52	2356.78	256.77	694.08	41.23	10.82	2445.85
312	21	61	44	44	2501.69	298.40	724.47	41.79	15.89	1924.95
313	42	66	60	49	2520.15	268.57	716.79	41.23	13.25	2412.40

314	0	63	52	44	2788.89	318.31	727.47	40.13	13.93	2824.18
315	10	63	63	44	2978.41	274.46	731.58	41.24	13.38	1790.20
316	20	64	62	47	2777.77	263.52	736.51	41.21	14.32	2518.54
317	22	59	52	49	3100.76	280.75	683.89	41.14	15.93	3494.09
318	17	61	58	47	3158.62	228.94	755.74	40.76	16.66	2492.01
319	12	63	57	53	3325.24	267.22	700.47	41.51	12.03	1979.29
320	0	63	63	41	2815.43	273.22	700.86	41.21	12.10	3369.69
321	7	66	50	46	2048.39	278.74	628.56	41.73	19.79	3492.35
322	0	62	60	55	2769.45	271.52	738.48	41.54	17.58	3083.36
323	31	60	40	45	2963.33	270.23	848.01	40.73	9.74	482.48
324	0	62	50	51	2841.91	294.62	811.11	40.48	17.11	2114.60
325	10	65	73	42	2711.04	262.97	759.20	40.51	14.58	2064.22
326	1	61	55	46	3040.59	266.59	725.54	40.12	13.32	3841.08
327	0	70	64	44	2324.60	260.21	745.41	41.00	11.25	2442.16
328	12	62	52	49	2712.14	279.84	698.12	39.82	13.89	2871.15
329	9	61	33	48	3146.58	281.63	729.23	41.26	9.17	2860.91
330	6	63	58	51	3245.46	284.19	637.91	42.05	10.29	1527.33
331	25	72	56	52	2396.68	267.71	630.76	40.63	13.92	2164.57
332	0	61	56	51	2477.72	261.85	705.23	41.63	13.38	1340.45
333	22	55	55	56	3361.72	281.77	591.21	42.67	11.72	3310.88
334	12	63	57	44	3219.24	257.86	636.31	42.99	17.61	4406.00
335	0	65	59	56	3180.34	279.12	624.61	40.91	19.89	3409.79
336	0	66	53	51	2848.55	283.54	699.05	41.10	14.77	2620.31
337	9	61	50	50	2631.80	266.85	669.60	39.48	14.31	1768.13
338	11	64	63	52	3252.18	275.12	640.57	41.12	11.05	2642.44
339	24	63	77	47	2524.65	257.95	673.33	40.51	11.24	2408.31
340	11	60	43	49	2687.79	283.29	710.62	41.96	14.28	2487.55
341	3	58	64	41	3059.26	266.51	776.88	40.74	16.20	2724.84
342	25	67	55	42	3087.13	296.79	706.76	41.06	13.07	3256.14
343	24	63	61	46	3474.94	282.90	640.85	40.07	15.87	4008.60
344	0	66	47	45	2590.87	268.45	780.93	41.41	10.52	2427.80
345	2	62	54	43	2902.98	253.66	694.26	41.31	13.26	2602.37
346	6	64	52	46	3315.47	278.24	635.98	41.07	15.91	3397.42
347	5	63	59	49	3255.33	250.10	652.20	40.63	12.62	2801.57
348	0	62	39	54	2972.13	274.94	650.39	41.02	13.15	2243.48
349	16	60	57	48	2657.20	274.45	715.97	40.30	13.65	3284.65
350	0	66	53	52	2591.16	279.54	709.91	40.13	13.06	1902.17
351	10	60	52	43	3064.88	270.85	746.85	41.35	13.30	2145.68
352	0	66	62	48	2940.30	270.40	809.21	41.15	13.32	2339.29
353	0	63	41	44	3533.05	254.46	712.70	42.26	10.42	1422.13
354	0	60	56	51	3009.21	294.22	652.37	39.98	11.10	1061.94
355	11	66	46	45	2571.51	265.78	666.33	41.50	12.43	3045.14
356	16	59	65	45	3136.20	257.02	727.70	42.80	12.95	2073.72
357	3	60	40	47	3098.90	283.59	538.49	41.00	8.58	903.66
358	12	66	62	50	3113.99	278.15	609.98	41.91	13.33	2595.99
359	0	63	61	54	2396.95	261.59	655.13	39.98	14.36	2942.32
360	21	63	58	49	2459.59	244.83	641.79	40.84	15.03	2579.36
361	22	65	65	37	2759.07	282.59	713.24	41.07	12.32	1882.51

Lampiran Data Simulasi Alternatif Pertama

Replikasi	Jumlah Pelanggan				Waktu Pelayanan				Lama Mengantri	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales dan quick service Terlayani	CS	Cashier	Sales	Ambil Nomer	Ambil nomer	Dilayani
1	7	70	51	50	3271.18	292.61	683.18	40.88	15.69	1929.63
2	0	68	71	53	3282.20	260.32	666.13	41.55	14.27	2013.03
3	28	69	49	49	2719.60	278.64	716.65	41.03	12.21	2792.62
4	0	72	57	50	2764.77	285.41	691.38	40.93	13.68	982.95
5	18	63	58	48	3246.35	259.43	695.65	41.05	15.07	2527.02
6	0	68	58	44	3138.77	264.93	796.95	40.79	9.24	2312.60
7	0	71	56	51	3376.51	252.97	649.43	41.84	14.11	2560.81
8	0	71	50	51	2665.27	249.29	684.43	41.05	14.50	1612.25
9	0	69	40	44	2595.77	303.27	646.27	40.59	10.78	2448.40
10	18	76	56	52	2617.54	274.34	682.41	41.18	15.44	2511.64
11	1	67	60	49	3439.07	279.58	791.44	40.78	16.20	2857.58
12	0	73	58	46	2705.87	297.34	672.58	40.60	11.46	1972.80
13	0	70	60	41	2792.22	276.53	623.47	42.81	16.01	2306.36
14	0	66	52	52	3146.83	268.41	645.45	42.38	11.30	2145.35
15	0	73	60	46	3291.89	271.37	652.27	41.85	12.82	977.48
16	0	70	58	43	3012.93	253.92	726.97	42.51	14.59	2664.65
17	1	67	56	44	2834.37	263.87	646.59	41.39	16.01	2674.07
18	0	70	73	45	2856.74	238.97	676.71	40.70	11.27	1174.78
19	0	73	66	53	2995.39	268.43	685.61	40.78	16.60	1418.29
20	0	76	60	46	2909.43	282.02	719.86	40.32	10.75	1947.91
21	0	77	55	43	2158.96	278.74	656.91	40.59	12.42	2077.13
22	0	70	50	50	2713.22	281.31	691.52	41.51	11.65	972.69
23	0	70	63	46	3696.18	272.25	722.84	40.84	12.38	1221.52
24	10	69	53	47	3504.50	265.38	752.84	41.21	12.58	2399.74
25	0	67	46	54	2433.67	257.53	602.90	41.45	11.86	2473.86
26	3	75	46	46	2526.51	292.72	746.21	40.98	15.58	1992.79
27	0	69	67	46	3054.09	241.93	659.91	39.95	12.05	1358.71
28	0	70	66	51	2744.98	255.14	648.54	41.37	16.17	2010.82
29	20	76	53	56	2586.02	276.57	655.48	42.55	22.50	2394.50
30	22	63	57	48	3435.39	262.34	604.31	40.51	13.82	2734.85
31	0	66	64	40	3351.00	254.36	755.71	41.62	16.27	2353.33
32	0	66	73	52	3254.61	248.41	669.16	41.13	11.11	2083.04
33	10	67	46	45	2589.12	273.14	829.17	41.05	15.17	2194.90
34	0	73	60	49	2717.43	263.39	621.77	41.79	10.08	1072.32
35	0	65	63	49	2871.22	279.83	673.01	41.79	10.87	2794.32
36	21	73	53	46	2605.54	254.41	594.15	40.91	17.32	2874.59
37	0	67	62	48	3130.37	256.44	853.07	41.09	8.93	2376.76
38	7	68	46	43	2841.87	279.33	716.32	41.47	17.81	2283.53
39	0	74	68	51	3151.97	255.29	612.80	40.40	14.63	2096.93
40	7	77	45	46	2469.83	299.01	681.96	41.85	13.47	1547.97
41	0	68	40	41	2732.11	296.75	713.01	40.57	11.52	2305.32
42	0	68	66	46	2614.40	280.33	690.38	42.62	8.94	1744.16
43	10	65	53	47	2710.67	251.68	770.91	41.79	18.71	2822.46
44	0	68	50	40	2868.60	268.33	748.16	41.06	13.39	1534.36
45	0	70	56	41	2976.53	298.44	691.37	40.10	7.61	2432.99
46	0	71	55	44	2284.51	274.52	732.04	42.78	11.96	1290.75
47	1	70	60	43	2881.39	262.12	710.66	40.70	13.28	2535.02
48	0	66	54	51	3489.55	252.55	667.25	41.18	11.78	2384.47
49	0	69	59	58	2196.74	234.42	679.57	40.91	10.97	585.10
50	0	68	58	38	2791.33	269.87	745.75	42.16	12.05	1978.33
51	0	67	58	45	3392.55	268.85	724.56	41.58	10.80	1608.22
52	0	69	62	51	3705.24	241.37	684.64	40.58	11.85	2341.98
53	0	71	71	45	2559.09	271.75	658.27	41.71	8.52	777.42
54	0	72	60	50	3188.25	265.35	702.93	40.87	9.50	2310.36
55	7	66	57	45	2532.24	251.34	657.18	40.01	13.82	1579.14
56	0	67	62	43	2703.89	263.18	708.29	40.31	10.54	1947.97
57	25	69	66	46	2617.61	271.60	734.31	42.03	21.61	3332.21

58	0	72	52	52	2595.26	269.46	657.97	41.94	15.53	2269.68
59	0	65	54	52	2940.50	269.27	675.15	41.50	12.86	1768.68
60	0	75	44	42	3580.73	244.40	674.95	41.04	9.85	1915.02
61	0	74	29	45	2907.45	304.19	669.45	40.36	12.53	2019.77
62	0	72	70	56	3317.02	264.74	652.13	40.31	15.59	2404.93
63	5	69	54	52	2902.35	285.21	695.64	40.60	9.03	2590.27
64	31	68	51	44	4123.83	267.80	650.63	40.00	15.61	2824.48
65	0	76	44	39	2337.60	274.73	643.67	39.71	12.08	2235.36
66	20	63	56	48	2845.70	246.13	702.87	40.95	12.60	2609.35
67	0	72	57	47	2512.19	263.76	599.55	40.74	10.20	1253.23
68	0	65	68	47	3406.92	259.66	655.45	40.56	11.79	1702.30
69	13	70	50	40	3133.76	279.01	755.00	41.80	11.58	3374.94
70	7	68	57	46	2773.94	237.81	665.13	40.34	11.09	2666.39
71	6	70	55	51	2883.61	271.71	707.47	41.32	11.46	2766.65
72	0	72	68	48	2448.78	270.33	686.83	41.23	14.53	1887.89
73	12	72	41	51	3226.47	276.20	698.39	42.02	16.83	2266.82
74	0	67	59	44	3171.81	264.79	726.24	41.67	13.62	2307.45
75	29	71	44	42	2804.77	283.12	638.63	41.48	15.76	2799.73
76	0	72	71	45	2770.33	254.88	689.88	41.60	14.78	1824.60
77	0	70	64	42	2937.10	265.62	656.91	41.40	11.33	1469.95
78	0	68	54	41	3088.12	268.71	704.82	41.49	9.96	1643.04
79	0	72	63	41	2791.30	256.64	654.80	41.15	12.63	1506.01
80	0	70	67	57	3042.48	254.08	593.10	40.77	11.39	2044.99
81	22	74	43	44	2529.36	310.28	647.97	41.27	13.19	3049.08
82	0	72	69	55	2464.40	275.45	653.93	39.92	12.36	1680.72
83	6	70	52	51	2676.24	285.35	647.17	43.27	12.84	2330.45
84	0	65	69	48	3534.00	239.00	736.32	41.16	17.18	1940.48
85	0	71	52	47	3360.66	291.29	668.31	41.24	10.06	2259.49
86	11	73	48	49	2607.03	301.26	646.75	40.69	12.79	2898.52
87	0	72	61	49	2761.58	264.59	637.34	41.15	14.05	2384.71
88	0	73	34	51	2481.16	265.78	733.46	41.50	12.62	1977.19
89	0	72	62	54	2778.13	247.94	767.28	41.29	12.46	1534.05
90	1	69	58	54	2736.20	283.00	687.04	41.92	13.22	1746.66
91	0	70	61	50	2063.96	238.27	649.91	42.32	16.79	2440.92
92	23	69	49	43	2579.71	301.03	721.34	41.59	16.91	3017.56
93	0	71	60	45	2228.93	260.89	673.79	40.97	15.81	2508.59
94	17	69	52	48	2596.41	267.87	762.46	41.34	13.92	2593.55
95	0	63	62	58	2884.90	262.58	674.29	40.96	11.39	2026.40
96	54	66	38	49	2462.80	306.27	767.15	40.29	13.28	3884.22
97	0	73	65	46	2807.05	261.66	670.93	40.82	8.40	1591.60
98	11	69	62	41	3174.25	294.94	758.76	41.55	14.23	3217.14
99	7	69	50	43	2833.16	257.53	756.40	40.33	14.13	2312.40
100	0	73	59	47	2346.60	261.11	707.41	40.11	7.72	2166.02
101	2	66	50	48	2776.38	294.22	664.77	41.27	18.87	1482.86
102	17	72	53	48	3615.62	275.95	752.34	41.25	11.88	2375.40
103	0	72	41	44	2953.42	314.39	659.91	41.23	11.60	2984.05
104	11	65	54	50	3044.86	238.14	763.72	41.59	12.25	2369.83
105	19	64	52	50	3632.21	264.91	779.05	40.45	11.99	1808.80
106	5	71	40	43	2774.51	275.01	743.42	40.12	11.36	3001.41
107	6	71	48	50	2848.53	286.16	726.11	41.36	13.37	1695.22
108	0	69	56	43	2786.34	274.22	775.14	40.65	9.88	2697.13
109	6	70	56	47	2962.97	259.96	666.68	40.26	9.32	1175.20
110	0	70	56	47	2785.17	269.70	647.08	41.40	11.19	1880.12
111	0	64	56	51	2710.68	255.83	663.91	41.95	12.82	1913.78
112	0	68	55	44	2809.85	277.43	653.10	40.23	12.98	2333.75
113	13	71	59	34	3004.28	267.47	616.29	39.64	7.92	2533.60
114	5	70	59	39	2847.32	280.47	610.29	41.28	11.65	2334.83
115	18	71	45	48	2874.61	266.83	683.92	40.93	12.56	2386.91
116	11	66	56	52	2998.33	264.37	624.49	41.78	16.17	3567.35
117	5	72	54	55	3092.96	284.47	707.07	40.87	14.38	3013.55
118	22	73	66	41	3013.44	252.42	682.72	40.63	13.37	2533.30
119	0	70	58	45	2847.39	264.68	703.31	40.24	17.64	2521.34
120	0	71	63	51	2869.61	269.44	711.88	40.77	12.58	2560.39
121	0	67	54	53	2635.84	271.89	679.41	40.68	14.04	845.46

122	0	74	63	45	3036.87	268.06	537.31	41.20	19.23	867.56
123	3	71	65	43	2435.18	273.20	664.33	40.23	20.40	2385.63
124	4	70	37	46	2894.92	308.60	746.73	39.34	8.27	2726.02
125	20	70	51	46	2610.86	300.38	749.60	40.82	15.03	3075.75
126	2	76	54	50	2799.38	260.30	702.75	40.93	12.00	2518.91
127	19	69	61	39	2951.81	247.55	688.05	41.89	13.43	2416.41
128	0	72	57	45	2627.48	264.04	697.62	41.09	12.96	3525.84
129	9	69	80	52	2687.47	249.56	646.66	40.90	17.55	2277.93
130	18	70	54	49	2853.87	272.81	728.13	41.37	16.32	2027.52
131	0	71	42	51	2786.99	248.66	706.20	41.19	11.85	2829.71
132	7	65	45	43	2955.75	259.02	740.49	40.72	11.15	2466.62
133	0	70	54	49	2733.44	249.32	682.10	40.97	13.59	2818.87
134	7	74	44	45	2955.94	304.27	681.57	41.98	11.59	2159.25
135	0	70	63	48	3039.12	276.81	676.58	41.62	18.81	2206.47
136	4	69	51	42	2609.99	257.60	701.33	39.68	11.79	2418.69
137	1	76	48	47	2576.47	281.38	692.63	41.93	13.26	2462.28
138	2	65	67	40	3002.31	229.85	747.16	40.62	9.36	2291.59
139	0	69	52	46	2756.47	283.83	707.86	41.06	15.70	2577.70
140	0	69	49	56	3122.41	281.25	634.76	41.63	10.93	1082.85
141	9	67	44	50	3060.29	292.53	649.92	39.90	9.54	1500.64
142	28	67	50	47	3512.20	287.91	680.55	41.21	13.11	2678.93
143	14	66	62	47	2774.64	265.44	685.26	40.98	18.57	2476.77
144	18	68	56	49	2459.84	259.13	772.87	41.14	13.53	3036.33
145	1	76	54	54	3434.51	260.38	686.46	40.52	13.63	3401.99
146	13	72	55	42	2918.16	254.92	611.39	40.72	11.31	1835.38
147	22	72	56	55	3012.46	288.13	606.10	41.57	15.89	3171.44
148	28	71	59	44	3162.32	259.62	727.02	41.81	12.73	2246.75
149	0	67	51	48	2855.78	279.45	720.12	41.13	12.44	3103.52
150	4	65	50	47	2588.67	260.34	779.81	40.67	11.38	2355.11
151	2	73	52	43	2940.82	294.79	655.33	40.69	12.09	2732.95
152	2	67	56	46	2121.06	243.97	691.04	40.98	14.50	2022.03
153	0	71	61	50	3107.11	257.90	740.22	41.16	11.76	1855.74
154	17	68	64	52	2797.22	277.84	631.13	41.27	11.02	1300.90
155	0	70	45	44	2773.66	288.64	714.45	41.22	10.37	2889.22
156	2	68	52	47	2519.61	249.62	550.24	40.59	14.87	1835.25
157	0	69	53	44	3068.65	261.72	728.83	41.32	8.78	2658.00
158	0	66	52	40	2770.36	232.57	689.16	40.56	13.60	1756.78
159	7	69	52	44	2741.25	261.56	677.99	40.57	8.66	1684.78
160	0	66	54	46	2585.74	295.23	611.40	41.11	11.70	3189.29
161	5	70	57	49	2789.64	264.51	652.94	41.41	12.10	1530.95
162	0	70	55	51	3577.52	312.60	650.01	40.93	14.86	3250.08
163	2	69	60	50	2966.76	269.22	696.20	40.60	14.30	1292.47
164	25	68	44	43	3315.90	253.22	748.67	40.20	10.24	2171.28
165	15	69	42	52	2726.44	294.03	681.60	40.74	10.78	3527.63
166	0	72	52	43	3185.64	252.95	814.25	41.27	15.20	2847.53
167	5	72	57	52	2556.24	265.79	713.19	41.03	13.41	1537.23
168	0	71	57	47	2759.28	291.23	798.78	40.11	13.12	2776.00
169	18	69	56	46	2838.21	277.03	681.63	40.52	12.34	1777.65
170	0	65	44	47	3612.30	269.67	757.87	42.33	27.20	2705.79
171	27	73	59	49	3092.37	259.36	677.85	41.68	12.34	1851.32
172	0	68	41	58	3198.84	272.23	596.10	40.42	18.16	2925.08
173	0	74	54	51	2738.24	266.80	646.55	41.86	13.17	1822.01
174	0	69	54	43	2682.20	249.39	689.66	40.77	14.15	2155.60
175	0	70	51	45	3145.71	272.86	672.01	40.03	8.56	2194.16
176	21	76	54	43	2689.39	257.43	679.37	41.12	13.73	1803.08
177	0	69	45	47	4080.60	281.88	833.84	41.59	15.89	3454.20
178	11	64	72	45	3031.16	278.10	695.87	41.99	11.37	1497.76
179	1	70	61	43	2662.08	282.49	707.27	41.58	18.71	2717.03
180	0	69	53	46	2359.17	265.42	631.14	41.04	16.34	3253.79
181	4	76	55	45	2708.08	270.28	628.41	40.57	14.58	2658.39
182	0	71	49	53	2626.00	267.03	647.80	40.64	16.04	2345.61
183	14	62	44	45	2501.77	266.46	704.86	41.10	6.40	1306.88
184	14	72	55	41	2310.53	254.26	703.29	40.88	16.41	1433.48
185	0	68	49	49	2820.75	286.78	728.43	40.68	15.16	2400.85

186	0	71	54	61	3035.29	263.55	692.34	39.65	10.39	2180.49
187	0	71	71	47	2768.02	256.93	626.43	41.09	16.18	2116.21
188	0	70	52	48	2927.32	251.61	632.00	41.81	12.21	1085.11
189	25	68	60	42	2688.69	243.83	683.84	41.60	12.51	1651.17
190	0	69	57	53	3024.22	270.95	715.89	41.30	16.72	2661.59
191	15	67	51	48	2711.97	265.55	688.32	40.47	9.30	1565.62
192	14	71	47	51	2492.22	246.16	726.75	40.51	14.22	3001.87
193	0	67	44	50	2906.18	256.87	722.02	40.53	10.30	2433.65
194	0	72	65	57	2661.15	247.85	574.41	41.91	17.38	1993.15
195	0	68	59	53	3187.49	255.28	654.92	42.56	20.41	1105.41
196	4	72	56	52	3019.54	278.87	719.41	40.15	9.34	1668.75
197	0	71	33	62	2639.13	296.79	573.74	40.71	10.90	2262.30
198	19	67	67	45	2318.60	259.25	645.81	41.35	11.37	2157.72
199	22	70	59	49	2528.59	246.60	763.26	41.40	13.34	3355.23
200	32	69	55	50	2993.66	305.17	659.42	40.23	12.16	2599.72
201	0	66	49	44	2701.45	269.83	773.80	40.06	10.32	3470.35
202	17	71	54	40	2511.34	256.62	801.58	41.20	16.05	3514.35
203	4	68	51	44	2846.20	256.81	634.16	40.65	12.05	2219.97
204	2	75	62	41	2279.25	259.38	778.33	40.95	18.00	3619.97
205	1	65	45	54	3071.22	282.41	600.52	41.31	13.80	2679.18
206	24	64	68	56	3313.87	284.83	740.12	40.96	15.05	2485.86
207	0	71	57	42	2904.42	241.88	582.38	40.47	11.45	2516.50
208	0	68	57	48	3143.43	287.73	736.85	40.65	26.45	3033.89
209	0	76	48	55	3314.92	292.71	720.02	41.38	15.37	2337.33
210	2	71	54	45	2876.34	277.80	714.93	41.24	13.90	2218.24
211	0	71	64	44	2515.20	273.17	666.53	42.74	11.88	1686.07
212	0	72	48	52	2657.91	284.46	705.62	42.05	13.37	1881.36
213	0	71	60	47	3037.83	267.06	636.98	42.98	16.29	2052.71
214	0	66	46	48	3345.07	267.65	672.63	39.69	11.50	2585.57
215	0	68	54	41	2732.82	268.48	774.51	41.13	11.68	1784.08
216	0	76	40	39	2453.62	275.61	772.00	41.55	14.79	2187.91
217	2	67	51	42	4146.09	263.86	677.03	40.02	9.95	2019.43
218	0	67	67	57	3334.82	263.49	570.83	40.87	11.54	1565.92
219	0	66	65	49	2951.30	291.51	679.81	41.90	17.38	2744.35
220	4	74	63	45	2345.56	276.42	712.10	42.82	16.23	1566.03
221	0	78	71	55	2978.95	247.86	622.41	41.59	12.00	2094.25
222	0	69	52	52	3045.41	265.99	761.93	40.92	13.63	3431.41
223	0	73	64	48	2211.26	259.03	690.89	41.62	13.49	1693.98
224	0	68	63	51	2686.00	250.37	628.22	41.38	12.92	1087.38
225	29	69	58	57	2713.53	292.68	668.85	41.67	15.12	2089.11
226	0	67	59	46	3310.07	282.20	684.31	40.12	9.40	1257.30
227	11	77	48	49	2643.18	297.16	698.08	42.04	14.47	2751.02
228	0	64	65	43	3267.46	260.92	779.57	41.29	11.28	929.18
229	0	72	41	50	2509.01	291.36	787.08	39.04	9.69	2795.46
230	14	72	49	52	2468.07	263.39	722.54	41.40	10.70	1212.61
231	0	72	69	46	3653.27	260.34	743.84	42.94	9.44	844.52
232	2	65	62	52	2852.13	247.67	633.27	41.27	11.59	1817.30
233	0	66	58	52	3009.21	267.70	614.61	41.06	14.16	1696.12
234	0	73	55	41	2771.21	233.22	695.35	40.46	11.75	2723.59
235	0	67	46	53	3056.95	282.86	649.10	41.02	9.95	1420.81
236	7	72	72	52	2718.72	256.33	696.52	42.93	15.27	2305.97
237	0	63	79	46	3234.25	258.47	744.52	40.40	10.38	1167.80
238	0	70	57	48	2620.29	284.19	684.62	39.89	13.88	2784.70
239	0	69	56	41	3195.94	270.67	707.31	41.34	10.83	1405.95
240	7	70	55	49	2681.77	237.31	614.98	40.65	14.46	1247.59
241	0	70	66	50	2644.67	247.91	735.77	42.13	12.57	1481.61
242	0	69	39	46	3150.96	310.73	680.36	41.30	13.03	2591.79
243	0	72	39	48	2635.31	273.69	745.45	40.14	10.77	2616.41
244	18	73	50	48	2792.16	278.40	708.02	40.87	9.93	2480.50
245	0	65	69	36	3324.43	257.34	860.70	42.08	13.42	1385.92
246	8	66	47	52	3096.98	265.13	651.20	41.10	15.57	2128.01
247	0	67	51	40	2628.15	279.56	681.20	41.20	7.69	807.31
248	0	69	39	48	2317.82	290.14	645.52	41.43	14.71	2592.67
249	19	68	46	50	2613.61	288.25	704.73	40.89	13.38	1828.65

250	9	73	54	52	2818.09	251.64	763.00	41.04	14.90	1398.31
251	13	70	52	45	2985.34	274.55	763.85	41.30	16.11	3105.71
252	0	67	50	46	3178.61	266.30	761.84	40.51	11.09	2560.15
253	15	73	54	53	2753.94	268.94	683.89	41.94	15.19	3124.60
254	0	68	63	40	3441.49	223.89	733.18	41.47	15.57	680.20
255	3	69	48	54	3205.38	284.84	699.83	40.19	11.10	2872.88
256	1	68	53	55	2815.16	276.16	673.40	41.54	11.65	1764.42
257	26	68	28	52	2543.23	341.98	640.95	41.74	9.27	2560.32
258	0	72	50	53	2509.52	299.13	661.99	41.90	15.75	1881.76
259	0	71	32	51	2834.59	256.12	707.32	40.80	15.87	3122.13
260	0	73	56	48	3150.68	269.86	683.93	39.61	15.82	2243.50
261	1	74	65	47	2757.03	226.21	742.30	40.96	12.68	1832.65
262	30	66	64	48	3219.92	257.16	618.25	40.99	12.30	1852.36
263	24	73	54	48	2225.91	249.28	722.09	40.51	10.76	2706.99
264	13	75	49	56	2966.37	273.12	667.00	40.64	28.56	2370.34
265	1	70	48	46	3170.12	303.42	678.56	41.27	13.89	3266.77
266	16	67	35	47	3158.81	295.28	647.77	40.20	17.46	3370.95
267	15	71	56	51	3068.15	283.58	699.49	39.95	10.57	1881.49
268	26	67	44	51	3073.51	276.79	696.21	42.22	17.73	3219.67
269	0	72	64	49	2716.06	276.14	643.48	41.82	16.21	2805.05
270	0	67	57	51	2766.96	225.09	699.37	40.89	18.44	2955.82
271	0	71	60	48	2553.39	255.14	689.33	40.59	8.41	1293.99
272	0	67	42	47	2595.10	285.68	785.13	42.10	10.77	2634.23
273	0	63	49	45	2992.03	264.66	772.37	41.32	15.50	1430.07
274	10	69	57	45	2813.02	290.66	734.82	40.49	11.18	2680.69
275	8	67	54	51	2482.51	270.01	622.07	40.51	14.30	1251.10
276	29	69	55	47	2507.07	282.66	740.77	41.47	13.61	2364.24
277	17	75	45	49	2782.17	284.15	744.31	41.20	14.16	2824.05
278	0	69	59	50	3738.85	262.51	724.84	42.51	16.72	3258.42
279	0	65	49	49	2738.79	267.74	682.10	40.67	10.53	2904.75
280	0	66	64	48	3143.31	278.97	793.24	41.20	10.52	2253.14
281	0	76	53	51	2596.03	245.91	765.76	42.93	17.02	1871.54
282	6	72	64	48	2832.36	254.64	684.80	40.72	14.61	1788.73
283	0	74	44	50	2423.46	300.17	683.03	39.96	9.73	1476.30
284	0	69	52	45	3056.70	267.94	680.46	39.85	14.46	2062.10
285	0	70	51	52	2440.80	240.02	684.08	41.34	15.92	1650.65
286	11	68	58	45	3154.83	282.60	664.40	41.39	11.65	2139.86
287	0	67	68	42	2519.15	248.11	729.51	41.08	12.52	1406.91
288	16	75	63	41	2757.74	265.43	744.03	40.42	12.88	2276.86
289	6	77	51	44	2975.53	299.06	700.07	41.56	10.87	1120.29
290	17	68	49	40	3339.05	251.82	725.62	40.99	10.45	2465.24
291	0	73	52	42	3325.99	254.50	691.89	40.52	9.03	1963.91
292	0	77	49	49	2251.87	273.87	706.66	41.70	16.22	3141.13
293	1	72	60	49	2560.15	283.40	696.34	40.58	11.58	1893.28
294	0	68	63	45	2633.33	266.00	620.21	41.63	9.93	1372.82
295	7	66	51	50	3161.82	253.36	762.96	40.96	10.05	1798.03
296	0	66	53	58	2741.25	277.64	626.34	40.38	9.55	1732.52
297	0	73	43	38	2520.28	293.23	695.80	40.87	11.72	2585.04
298	12	72	73	47	2817.66	274.17	783.83	42.59	21.92	1954.80
299	0	69	52	47	3080.11	287.27	840.38	41.15	9.20	1870.50
300	0	69	57	42	3019.29	275.86	657.68	41.11	9.88	2078.24
301	0	65	50	40	2954.00	271.32	614.27	41.49	7.51	2560.52
302	0	73	46	55	2715.53	267.82	673.30	40.82	11.60	2335.83
303	9	68	59	41	3516.45	244.04	857.26	41.50	14.17	2626.71
304	0	68	51	45	2944.05	283.17	648.13	41.07	13.08	1951.06
305	0	75	63	48	2732.35	258.58	684.57	41.81	10.28	622.56
306	0	71	67	43	2533.95	236.52	799.75	42.68	11.53	2093.81
307	7	74	42	44	2705.39	276.00	624.03	40.77	9.53	2006.93
308	0	69	49	56	2871.41	269.00	608.65	41.24	15.79	2225.33
309	0	70	48	48	3666.15	258.53	734.16	41.75	12.68	1345.68
310	0	66	51	50	2576.22	285.06	760.53	41.16	9.68	2324.42
311	0	71	48	47	2911.83	266.10	710.73	40.95	10.36	1780.69
312	1	69	52	44	3594.92	296.44	679.05	41.36	9.96	2464.67
313	1	70	52	51	2511.89	272.28	677.11	40.90	13.53	1617.77

314	16	70	50	55	2864.61	272.02	673.57	40.47	12.39	1177.91
315	0	72	62	44	2586.14	289.82	794.05	40.57	11.74	2252.56
316	0	75	54	48	2512.57	242.40	707.35	41.01	8.41	2209.69
317	0	67	55	41	3133.53	285.54	790.27	40.13	13.48	2626.58
318	14	63	68	51	3495.03	278.35	730.56	39.60	8.79	2075.61
319	3	68	66	39	3115.97	252.06	703.43	40.84	16.54	2157.27
320	0	72	49	47	2750.06	263.62	626.80	40.80	8.19	1150.81
321	2	74	47	57	2447.37	286.53	570.53	41.21	10.12	1557.46
322	0	69	54	47	2477.50	260.81	611.86	38.86	11.72	2188.47
323	0	70	50	46	3598.26	255.73	623.82	41.71	13.45	2827.01
324	0	74	49	51	2892.93	238.24	561.30	40.83	10.54	2431.92
325	13	66	54	45	2531.79	263.79	666.05	41.65	16.43	2783.40
326	0	60	47	51	3511.63	276.38	713.23	41.22	9.01	2590.46
327	0	72	76	47	2339.46	259.07	700.89	40.40	8.49	1140.66
328	0	68	53	48	3426.16	259.76	729.95	41.47	14.27	1682.11
329	0	66	58	41	2548.78	255.73	799.15	41.71	14.01	1860.73
330	8	72	40	54	2686.23	267.80	713.95	40.33	17.72	2927.40
331	23	72	47	48	2914.34	275.96	711.33	42.00	15.31	1147.98
332	0	74	55	41	2746.19	261.30	679.27	41.76	10.70	1980.50
333	0	69	57	48	2765.29	281.70	728.44	40.19	18.28	2622.76
334	0	70	58	50	2701.33	259.64	750.39	40.78	14.17	2001.28
335	0	71	49	51	2403.25	301.29	665.72	41.14	15.62	2400.36
336	0	72	50	44	2727.80	266.23	672.85	41.47	11.16	3361.83
337	0	67	53	51	3324.98	256.80	655.01	41.48	14.45	2628.43
338	0	77	59	51	2391.30	261.23	729.61	41.15	14.36	2276.76
339	6	68	63	50	2579.12	241.33	764.03	41.58	13.66	2090.53
340	10	71	59	45	2785.06	262.23	614.80	40.36	12.14	1841.90
341	0	69	60	39	2800.40	274.93	821.29	40.99	15.89	1972.16
342	0	74	57	55	3584.95	286.30	591.96	40.35	11.39	2158.06
343	0	69	63	46	3056.82	276.84	678.31	39.78	13.92	2036.63
344	2	69	59	46	2690.12	269.64	625.39	41.24	9.28	2510.83
345	4	75	52	47	3195.12	265.33	739.51	39.71	13.89	3618.31
346	0	66	52	43	2986.03	283.07	680.24	41.76	11.39	1792.62
347	6	71	60	49	3563.41	270.15	785.74	41.67	15.78	2596.38
348	13	70	59	42	2965.92	282.89	755.02	41.24	16.60	1173.34
349	0	69	69	44	2985.24	256.90	628.57	41.72	24.99	2760.83
350	5	74	53	54	2503.21	280.25	735.92	41.31	12.85	2074.19
351	0	70	64	45	2585.21	270.55	649.98	40.69	10.11	1632.54
352	17	69	47	42	2908.89	290.89	824.11	39.85	13.39	2771.63
353	0	74	54	48	2813.78	263.34	713.21	41.76	18.15	3169.18
354	0	70	70	49	3252.48	260.45	635.74	41.79	11.97	1027.57
355	0	67	51	44	2917.00	298.33	726.29	41.74	11.62	2521.86
356	16	73	48	44	2493.65	242.47	712.95	41.96	9.93	1538.66
357	0	70	49	44	2989.02	239.21	655.86	41.52	14.77	3394.17
358	23	70	61	50	3877.39	276.45	686.86	41.39	8.07	2374.76
359	0	70	60	48	2743.96	250.91	730.90	40.90	10.76	2842.62
360	0	68	50	48	3094.32	261.28	612.74	41.40	10.55	1413.66
361	16	75	53	48	2959.42	257.95	675.59	40.84	15.77	2491.77

Lampiran Data Simulasi Alternatif Kedua

	Jumlah Pelanggan					Waktu Pelayanan					Lama M	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales terlayani	Sales dan quick service Terlayani	CS	Cashier	Quick Service	Ambil Nomer	Sales	Ambil nomer	
	23	68	65	9	8	2261.68	254.27	378.81	41.67	1074.49	13.58	
	34	69	43	11	8	2890.98	266.41	406.21	41.42	947.49	11.30	
	3	74	50	12	9	2440.25	261.09	405.23	41.79	956.88	9.68	
	37	72	52	14	7	2807.94	261.16	391.31	41.86	971.65	15.18	
	63	69	52	11	8	3189.89	285.50	382.28	41.98	1003.14	17.26	
	9	67	62	11	8	2716.70	270.00	379.29	41.46	1005.92	13.73	
	54	72	59	12	8	2828.04	262.61	381.01	40.52	1076.54	16.62	
	32	68	49	12	9	3219.14	257.54	376.08	41.52	985.73	13.34	
	37	78	47	8	12	2286.19	278.89	377.09	41.56	974.50	11.46	
	33	67	51	10	10	3062.23	293.62	371.42	41.69	956.61	12.86	
	33	73	44	13	6	3114.03	273.33	382.99	41.38	1006.14	11.28	
	38	72	45	9	2	3035.01	288.02	415.97	40.03	992.11	11.05	
	9	69	51	9	11	2684.04	275.63	384.30	42.50	913.30	11.39	
	37	71	65	7	9	3156.35	267.02	379.68	41.19	1082.93	14.29	
	38	72	59	9	5	2973.27	250.80	394.85	39.62	1021.90	12.10	
	45	66	54	11	10	3060.58	266.48	392.24	41.42	1030.17	17.54	
	21	71	52	9	8	2935.86	249.96	386.89	41.39	1001.34	11.96	
	24	72	56	12	4	2626.71	265.75	412.45	40.67	989.81	9.40	
	40	73	51	12	14	3310.79	291.24	384.36	42.37	1049.61	16.39	
	28	75	48	10	11	2969.29	282.57	351.24	42.38	1036.59	12.80	
	29	69	50	8	6	2728.57	289.93	400.38	40.92	1004.52	14.44	
	22	68	57	9	6	2739.14	294.59	391.81	42.15	1041.39	18.71	
	12	76	62	9	12	2387.44	239.18	371.93	41.54	1059.27	11.32	
	44	71	64	12	16	3184.48	265.78	335.08	40.59	1078.88	19.14	
	40	69	45	12	4	3146.18	276.03	398.74	39.60	962.75	12.01	
	52	67	56	10	12	3512.42	255.68	375.62	42.08	1051.14	19.57	
	5	70	60	13	13	2961.67	258.89	374.49	40.92	998.41	8.20	
	0	72	65	10	9	3585.35	250.19	380.41	40.45	967.24	8.03	
	46	69	66	7	10	2770.93	259.96	363.83	41.84	957.44	16.44	
	25	67	53	11	10	3203.94	276.21	374.90	40.90	969.84	13.89	
	55	73	64	9	8	2993.15	263.83	387.46	39.49	984.00	9.51	
	28	71	62	12	7	2515.69	246.04	374.07	41.37	966.75	11.16	
	29	71	50	11	4	2948.36	290.88	393.17	41.44	958.81	11.22	
	3	73	56	9	7	2871.60	258.20	384.99	41.48	953.73	10.12	
	47	75	44	14	7	3168.76	278.51	391.74	42.83	952.21	15.87	
	15	68	62	9	12	3277.42	257.78	383.29	38.52	982.12	10.75	
	32	69	44	11	11	2558.23	255.99	387.61	41.21	995.22	10.63	
	39	71	56	8	10	3042.62	267.48	372.21	41.14	929.47	14.95	
	35	70	53	12	8	2925.65	272.58	405.04	41.51	1026.40	13.34	
	39	68	52	14	10	2799.12	268.33	379.21	43.10	1004.46	11.83	
	44	73	56	12	7	2521.96	280.40	366.06	41.40	930.17	11.80	
	25	66	56	15	4	3141.78	265.92	409.01	41.88	997.97	13.14	
	1	70	72	12	14	2728.64	259.55	351.75	41.35	1028.82	9.40	
	22	69	57	11	9	2987.14	234.34	391.05	39.50	1009.03	10.13	
	41	71	41	12	6	3191.79	265.38	359.97	41.06	956.97	11.19	
	54	67	54	9	12	3259.78	260.15	365.75	41.32	965.94	21.88	
	10	69	60	13	9	2949.73	249.96	377.62	41.62	959.00	11.98	
	55	66	51	11	10	3314.13	281.25	384.00	41.42	1020.23	13.68	
	7	73	59	12	8	2826.41	275.66	392.70	41.80	944.59	10.10	
	26	64	56	9	11	2763.01	281.42	366.65	41.14	1047.53	12.02	
	39	66	53	11	10	3170.13	270.43	372.45	42.28	1021.14	13.43	
	57	69	51	12	10	2614.32	280.01	386.08	41.46	984.89	13.46	
	28	70	52	11	7	2839.53	257.71	395.81	41.02	1025.96	11.46	
	7	65	67	10	6	3026.09	276.06	393.86	41.18	955.08	10.78	
	32	72	71	9	8	2600.18	267.65	354.81	40.31	1029.47	16.81	
	39	70	53	9	6	3049.31	257.08	385.29	41.00	952.30	14.20	
	15	73	49	13	8	2607.26	278.85	388.92	40.81	1020.98	8.87	

	20	72	59	12	8	3205.96	272.84	386.66	40.56	926.63	11.91
	9	66	62	11	10	2696.38	255.50	376.19	41.17	1002.57	11.19
	29	71	45	9	14	2880.78	258.72	366.65	42.18	1076.88	10.42
	39	69	53	9	12	2356.59	276.70	390.42	42.29	1080.30	11.98
	20	69	64	11	11	3033.68	245.57	373.69	40.76	975.99	18.14
	43	75	60	9	6	2994.48	268.41	397.32	41.62	992.69	14.33
	27	70	58	13	6	3042.00	254.07	373.89	40.65	971.80	15.77
	52	74	45	10	7	2686.89	257.96	390.08	41.37	1044.22	16.63
	33	64	53	13	5	2596.17	256.46	392.53	41.52	1097.99	14.12
	10	68	65	12	7	2755.03	255.63	378.45	41.25	987.92	13.36
	0	70	61	10	7	2718.21	278.07	404.12	41.07	1049.55	8.43
	31	70	54	11	13	2981.05	300.27	355.76	41.13	944.46	14.61
	31	70	59	8	5	3578.37	274.21	408.07	41.78	1001.53	14.68
	15	73	52	12	10	3459.87	253.84	376.07	41.55	1033.31	12.03
	69	69	41	10	10	3057.08	276.52	378.12	41.88	1038.72	16.65
	7	71	63	10	10	3151.16	266.46	370.04	41.17	960.96	14.53
	26	71	46	10	10	3133.47	269.15	397.50	41.19	1073.05	10.29
	35	68	45	10	9	3163.68	264.50	392.73	41.66	1042.12	12.92
	18	71	59	12	6	2745.04	258.65	383.76	42.19	935.16	12.23
	14	76	59	12	8	2807.60	264.62	366.66	41.53	1029.17	9.29
	33	75	54	10	3	2595.25	279.99	390.58	41.51	893.06	17.60
	18	73	53	10	7	2826.49	227.29	393.30	41.08	1015.36	13.39
	15	63	64	10	8	2913.62	278.05	392.16	40.69	945.81	10.92
	26	67	57	10	5	2993.85	266.87	392.64	42.12	959.41	12.32
	29	67	60	8	13	3237.13	264.13	345.88	41.19	931.59	9.72
	18	66	60	10	5	3090.87	262.81	391.83	40.70	984.67	9.22
	7	68	61	11	6	2879.04	257.09	384.73	41.31	983.34	21.19
	42	69	63	11	14	2852.86	272.20	372.15	41.77	950.67	24.58
	24	74	53	11	9	2469.93	262.89	368.10	41.94	964.53	13.73
	38	77	53	7	5	2551.43	279.05	386.68	41.47	1073.27	11.73
	24	69	45	12	8	3201.67	268.71	383.67	42.08	984.91	9.47
	43	72	59	11	9	3060.08	263.01	382.78	42.03	999.03	10.71
	31	64	64	13	5	2553.39	266.47	388.79	41.65	955.81	12.76
	10	64	54	11	8	3203.32	253.51	381.45	41.87	987.65	13.15
	23	66	51	10	9	3200.57	257.42	376.34	40.82	952.96	13.08
	25	75	57	10	6	2402.35	255.48	383.17	41.31	1004.49	17.63
	8	68	63	10	4	2628.25	274.23	392.36	41.14	951.69	11.60
	16	72	61	12	9	2706.86	274.28	379.15	40.61	928.73	10.67
	20	70	60	12	6	2719.93	270.43	375.50	41.98	985.41	12.00
	11	68	57	8	15	3308.15	277.62	360.47	39.94	949.78	7.56
	57	71	59	9	9	3293.67	247.34	384.63	40.63	958.52	17.55
	23	74	49	10	10	2736.48	292.77	368.88	41.35	1055.61	11.66
	30	66	72	10	10	3407.20	250.21	372.86	41.64	989.00	16.85
	13	74	62	10	4	2685.49	261.79	401.09	40.59	1045.01	11.59
	17	70	47	10	12	2646.16	278.17	384.38	41.05	918.29	12.51
	26	72	57	8	9	2963.65	288.06	380.58	40.86	915.39	19.91
	23	76	56	9	6	2887.96	261.28	401.66	41.57	1004.43	12.83
	10	65	54	7	7	3012.42	275.44	381.76	42.32	1064.40	9.01
	3	72	56	11	11	2861.81	263.16	359.60	40.34	983.40	11.47
	5	67	65	12	8	3091.42	281.34	364.58	39.65	950.36	9.97
	7	73	49	12	11	2914.90	282.07	386.44	41.71	937.19	11.78
	20	69	52	10	8	2791.15	272.31	373.56	41.46	1016.76	11.92
	21	69	49	12	13	3182.16	265.43	363.24	41.30	1003.28	15.96
	22	68	56	11	11	2910.90	259.09	371.59	41.18	1019.50	18.52
	31	71	47	13	10	2855.04	275.09	389.03	40.74	925.49	12.58
	25	74	55	9	1	2583.88	260.69	413.00	41.69	899.11	14.41
	17	73	46	11	9	2913.56	288.71	372.31	42.17	974.17	14.16
	29	64	48	13	7	3122.14	268.21	378.08	41.20	975.70	9.16
	19	69	59	13	6	3621.08	271.38	397.03	40.42	986.19	8.65
	28	71	61	12	3	2747.36	233.75	403.45	42.06	983.79	9.93
	0	70	71	9	9	2207.65	257.47	394.26	40.33	997.10	7.87
	25	70	69	11	6	2614.43	253.36	382.11	41.45	977.53	13.72
	44	69	48	8	5	2998.03	292.03	384.28	41.31	968.88	11.15
	40	77	42	11	12	2544.55	286.73	370.57	41.35	984.67	17.06

	11	70	66	12	4	2604.87	280.44	375.22	42.18	929.25	9.88
	44	66	50	14	4	2518.30	276.26	392.34	40.70	953.98	11.29
	29	65	54	8	12	3576.74	247.52	370.70	41.26	1009.63	16.02
	14	73	61	8	10	2091.11	258.58	409.45	40.46	1007.93	11.13
	5	70	62	8	9	2389.97	256.19	355.90	41.27	998.83	12.30
	11	75	56	12	5	2571.19	257.08	380.94	40.73	1025.70	10.58
	31	68	46	9	11	3077.11	285.82	369.99	40.84	979.68	11.91
	1	72	65	10	10	3063.26	234.20	365.90	41.60	989.38	13.16
	51	66	65	14	10	2879.08	244.73	401.60	40.70	973.25	19.44
	28	73	56	11	6	3005.42	264.75	391.05	41.01	957.01	11.63
	15	71	61	10	8	2825.86	264.04	399.11	40.26	952.80	14.10
	26	74	43	11	8	2564.35	271.95	377.80	40.52	988.09	10.67
	17	66	63	11	10	3326.48	253.88	369.81	41.38	1007.54	14.10
	8	70	55	9	11	2790.63	244.76	374.86	41.74	956.36	8.45
	12	73	49	11	10	2768.44	281.64	387.44	41.07	1007.74	12.83
	37	75	44	12	11	2652.31	269.39	372.78	40.99	1012.26	17.93
	36	71	52	11	6	2966.33	259.11	386.37	40.75	958.79	9.85
	31	66	60	7	6	2812.06	262.83	403.49	40.62	1099.54	12.88
	28	69	72	8	8	3309.16	266.58	370.06	41.24	947.62	16.40
	41	73	61	9	7	2901.11	266.18	384.51	41.94	1035.41	14.59
	7	72	57	8	9	2501.50	264.09	365.82	40.47	950.67	9.97
	52	68	57	15	10	3791.14	309.08	377.38	41.33	989.95	15.79
	25	74	50	9	7	3320.29	257.20	395.84	41.15	985.07	14.60
	15	69	44	11	5	2830.27	297.78	401.94	41.19	1019.51	11.46
	6	69	53	9	9	3034.39	270.42	364.62	40.51	1041.18	13.46
	15	65	66	6	11	3727.61	253.39	381.84	41.27	1031.60	15.37
	47	67	49	8	9	2913.63	292.13	370.82	41.29	980.17	13.18
	43	67	60	12	10	2743.21	289.81	384.61	40.60	1041.75	17.10
	12	74	47	8	10	2720.58	273.25	369.40	41.46	1010.56	12.44
	12	68	54	11	11	3695.08	270.15	389.92	41.55	943.94	12.37
	12	71	51	11	8	3041.81	249.27	364.09	39.94	986.08	14.01
	0	71	67	7	8	2783.47	271.95	388.04	41.00	982.60	11.10
	52	77	42	10	6	2446.15	271.55	375.19	41.75	1097.91	14.11
	18	63	47	11	6	3216.72	277.08	401.09	42.15	965.81	8.66
	23	70	67	15	10	2852.11	255.38	383.07	40.16	959.37	15.70
	10	76	66	12	4	2489.71	269.13	373.70	41.29	913.81	14.06
	33	70	49	14	13	3047.00	249.47	380.07	40.35	974.09	18.78
	34	66	55	9	8	3388.96	291.55	373.90	40.85	971.17	14.47
	41	73	45	12	14	3148.44	260.98	371.65	41.96	979.47	12.88
	48	67	47	11	9	3244.80	272.08	398.97	41.69	958.65	14.07
	33	67	60	7	8	3366.09	269.95	399.96	41.59	926.74	15.23
	31	68	52	10	8	2633.60	264.18	378.25	42.21	1020.56	12.93
	13	71	59	11	5	2955.70	289.43	378.59	41.32	914.12	9.77
	49	69	52	12	4	2570.54	258.97	407.54	41.28	953.47	15.38
	16	71	77	13	10	2663.06	260.91	382.72	41.67	943.54	17.09
	55	68	57	10	6	2838.52	297.28	404.20	41.19	1076.06	16.16
	35	69	43	9	12	2900.76	285.09	392.92	40.06	1010.70	13.27
	24	71	42	15	4	3097.61	281.70	365.58	39.75	937.52	7.54
	7	67	52	10	7	3106.84	270.29	394.64	40.42	932.22	5.80
	18	69	60	9	10	3136.09	265.25	362.05	40.34	988.88	9.65
	20	68	58	9	12	2507.84	246.85	350.11	41.61	1011.06	13.24
	34	73	51	12	3	3279.12	257.48	399.16	40.47	959.68	13.35
	16	70	54	9	8	2788.33	267.50	384.65	39.78	998.15	9.07
	0	71	44	12	11	2595.34	267.82	370.10	41.19	1046.18	10.65
	35	72	43	13	9	3384.77	279.56	395.93	39.70	991.80	9.89
	25	78	52	8	7	2461.58	244.51	368.37	41.03	978.05	13.97
	37	69	45	11	14	3136.49	274.46	369.40	41.47	949.13	15.50
	17	73	46	11	6	2654.82	298.11	389.55	41.68	956.25	8.88
	49	67	39	12	9	3164.52	279.74	375.42	41.18	983.47	11.75
	27	71	49	9	6	3401.93	279.98	414.75	40.81	1014.09	14.90
	15	70	68	13	8	3039.21	270.86	386.32	41.26	979.65	14.76
	24	76	55	12	4	2625.05	253.07	393.07	40.54	1053.64	11.41
	71	72	53	13	10	2713.76	280.21	380.10	41.18	1021.64	16.82
	16	69	60	11	4	2984.81	266.76	393.87	40.09	1006.51	8.92

	26	69	55	9	6	3202.82	266.55	395.41	40.84	989.18	9.57
	23	69	52	9	4	2840.64	266.05	382.32	40.17	1020.79	9.86
	9	73	62	15	7	2871.14	256.33	395.58	38.73	992.72	11.94
	20	73	60	13	8	2996.45	253.90	375.92	40.86	980.14	10.99
	45	68	39	11	5	2620.26	303.71	382.64	42.43	1053.73	14.93
	33	70	64	9	4	3116.82	286.84	404.77	41.09	1057.34	10.37
	23	78	58	10	5	2899.18	283.75	396.82	42.08	948.88	17.45
	29	71	58	12	10	2705.54	255.87	380.89	40.71	1021.73	14.98
	40	74	37	15	11	2903.65	268.88	358.57	40.83	968.12	14.15
	0	74	54	11	15	2580.21	277.62	351.08	41.89	961.55	11.96
	19	65	56	16	8	3302.17	245.15	362.23	40.43	1020.37	10.57
	37	72	44	13	9	2941.60	267.76	387.13	38.39	939.86	8.63
	28	66	67	11	6	3119.31	262.33	386.63	40.51	972.16	20.74
	47	67	61	9	4	3137.39	272.65	377.78	41.45	1040.51	15.98
	33	72	52	12	11	2433.72	300.26	371.03	40.42	938.62	12.53
	41	66	56	13	6	2840.61	247.84	389.74	40.76	990.48	15.69
	0	69	69	9	12	3084.04	254.27	387.38	41.79	976.50	10.38
	11	68	58	9	11	2480.20	251.89	352.64	41.26	985.05	13.06
	35	70	58	9	6	3071.71	294.74	386.28	41.73	974.91	10.46
	39	71	43	12	11	2795.91	300.48	377.34	41.92	965.65	12.49
	11	70	57	13	11	2725.10	236.30	372.02	40.06	1016.34	12.37
	34	83	57	13	12	2450.09	262.26	360.20	41.85	1010.61	15.04
	12	72	53	15	11	2285.50	255.22	382.68	40.88	1014.97	9.68
	8	71	60	12	6	2986.30	261.11	389.46	42.32	936.24	13.90
	8	73	44	11	11	2794.35	295.29	373.24	41.32	969.02	9.51
	22	66	72	9	7	3206.05	257.64	379.69	41.70	1011.09	11.73
	12	72	70	11	7	4001.01	282.24	360.29	41.65	1039.97	12.32
	37	71	67	11	7	2479.93	259.25	389.68	40.87	982.07	15.38
	39	70	60	15	9	2902.94	269.80	374.62	41.59	999.06	15.33
	8	70	53	10	13	3668.47	259.76	370.14	40.46	936.76	8.32
	25	73	53	9	9	2723.18	255.32	375.55	41.00	940.54	12.47
	17	71	58	12	12	2385.22	281.05	360.77	40.45	976.72	11.64
	23	65	56	11	10	2754.13	264.08	386.21	43.09	993.59	14.55
	5	64	52	11	10	3691.75	276.43	378.98	41.83	942.96	15.03
	10	71	45	12	13	2799.21	265.21	373.65	42.07	958.23	11.34
	24	67	57	9	12	2922.88	279.55	362.87	40.70	943.05	10.19
	28	71	51	11	10	3230.64	324.60	376.95	40.92	978.26	9.77
	66	76	59	15	10	2688.36	273.41	393.84	41.18	1028.16	14.68
	41	73	63	15	9	2890.68	267.96	395.54	40.90	993.53	17.62
	30	69	60	9	8	3359.61	270.34	356.77	41.91	974.15	12.01
	28	75	46	12	13	2300.18	260.20	354.81	41.32	1023.51	14.73
	35	73	56	10	10	2621.24	256.56	360.29	41.29	1035.68	16.93
	19	71	69	15	12	3291.69	250.99	357.32	42.87	935.35	16.09
	33	73	73	12	10	2932.93	257.99	369.67	40.93	1036.61	16.34
	41	72	60	13	9	2438.97	270.48	380.72	41.07	941.26	13.15
	20	70	61	10	5	2716.49	263.80	397.43	41.47	1034.21	17.90
	0	63	58	11	10	3253.86	266.95	372.01	40.81	1007.85	10.17
	23	69	64	6	8	2772.10	262.59	390.51	42.56	1034.86	15.05
	58	65	47	10	8	2697.63	270.19	399.83	41.16	934.58	12.81
	42	74	63	11	8	2416.62	272.09	388.56	41.77	1038.46	14.30
	43	70	42	12	4	3116.19	279.73	410.20	40.60	954.48	8.47
	15	74	45	12	5	2645.85	291.44	412.96	40.57	1044.24	13.28
	36	72	66	11	5	2348.78	269.24	387.81	40.72	1004.33	16.61
	7	70	51	11	10	3648.82	277.37	366.75	40.86	981.64	10.06
	14	67	56	12	9	2932.06	272.87	387.70	40.90	1000.33	13.62
	41	72	57	12	11	2631.84	281.30	387.21	41.34	971.65	15.39
	31	69	64	12	8	2722.31	272.07	379.70	41.68	963.16	15.01
	28	67	45	10	9	3315.88	285.57	398.77	40.88	951.68	11.80
	26	73	64	13	10	2020.26	256.93	387.13	43.24	974.25	16.55
	31	70	42	10	8	2451.08	270.17	393.90	40.39	875.03	10.25
	5	67	42	10	8	2715.36	269.51	387.22	40.16	979.22	7.80
	28	66	53	10	8	2928.89	279.14	377.59	40.36	957.24	10.11
	10	68	61	13	9	2672.98	268.54	372.45	41.16	1028.84	17.68
	58	69	49	14	9	2714.64	256.66	390.70	41.24	954.38	14.60

	27	68	54	11	9	3103.37	261.69	373.09	40.11	1054.59	11.68
	45	65	43	12	15	3138.88	261.62	383.31	41.21	903.16	9.37
	27	68	54	13	12	3364.98	259.67	378.77	40.95	992.06	12.26
	31	73	59	9	12	2932.93	278.19	370.51	40.26	1023.74	15.67
	33	68	64	12	8	2773.61	249.69	387.24	41.12	1018.15	12.26
	43	75	62	8	5	3359.43	270.53	387.36	42.03	1051.55	18.25
	36	73	53	9	9	2850.77	298.02	399.49	42.19	971.57	15.51
	28	71	61	10	7	3366.91	289.52	389.70	40.47	914.95	11.05
	27	70	42	11	3	2226.67	281.27	348.28	40.93	984.18	10.28
	29	67	55	13	11	3003.11	259.06	355.47	39.82	920.21	10.32
	31	65	56	10	8	3324.81	265.65	392.75	40.25	978.64	17.58
	29	69	56	12	8	3597.64	286.07	393.31	40.37	985.44	11.96
	5	70	64	10	13	3156.09	286.99	372.31	40.87	1003.48	9.95
	21	75	48	10	8	2790.79	273.12	371.32	39.97	970.13	14.30
	34	68	61	10	9	2737.20	252.62	385.73	42.01	1011.21	17.16
	32	69	59	8	11	2470.07	244.90	381.36	41.21	968.20	12.11
	23	67	57	9	7	3347.61	291.59	380.33	41.15	941.87	24.01
	10	68	66	11	10	2831.97	246.73	359.80	41.57	965.12	8.50
	5	72	55	12	11	2518.65	265.09	370.59	40.49	949.53	12.09
	20	77	62	15	12	2453.81	264.05	387.06	42.18	956.41	12.49
	50	75	65	15	7	3079.38	282.20	385.86	41.57	949.97	18.42
	19	70	55	11	14	3056.40	247.41	367.16	40.68	998.25	11.65
	16	73	52	9	9	2887.53	258.74	400.36	41.26	912.22	12.38
	20	69	52	9	8	2437.88	283.30	390.91	42.54	914.17	12.38
	14	67	54	12	9	2799.68	259.88	396.98	40.25	998.02	13.47
	30	68	58	13	7	2949.91	285.01	391.75	42.22	965.93	18.21
	25	69	54	12	8	2694.44	270.20	395.61	41.29	974.57	17.48
	27	71	70	11	9	3087.24	247.29	373.86	41.31	977.32	16.73
	30	72	50	13	6	2807.76	258.39	379.50	41.02	963.16	13.07
	34	72	55	7	7	2456.62	272.24	377.09	40.64	946.30	9.81
	33	70	46	13	13	2433.39	297.05	374.24	41.70	1013.32	13.94
	11	72	62	11	5	4056.95	259.89	403.66	40.98	992.43	11.44
	26	71	53	15	9	2855.90	291.76	402.79	41.79	986.00	17.54
	18	72	75	10	12	2446.85	247.97	363.03	42.99	991.23	20.75
	25	70	59	9	7	3112.95	253.70	410.76	40.75	1035.99	13.51
	40	66	45	13	10	3054.87	255.06	369.74	40.47	967.33	13.10
	3	72	62	12	8	2445.02	257.88	344.08	40.55	934.77	10.23
	27	73	61	12	5	3466.35	288.35	390.19	41.85	943.20	13.83
	37	74	44	11	3	2904.84	286.36	369.62	42.54	1004.08	12.78
	44	74	61	12	9	2706.12	278.03	396.55	42.36	1025.02	13.84
	35	64	49	8	10	3004.11	261.06	379.36	40.40	1058.77	16.23
	16	69	69	12	9	2568.80	258.75	401.03	40.85	971.24	14.22
	44	72	47	11	5	3564.17	280.62	393.80	40.23	984.07	13.46
	31	72	65	8	10	2539.76	282.94	389.27	40.80	1048.74	16.34
	36	70	52	12	7	2525.69	290.54	402.16	41.94	969.76	18.27
	47	69	42	13	10	2446.77	270.59	383.42	40.21	902.29	11.44
	59	68	58	10	6	2864.49	278.37	389.84	40.58	1029.44	14.04
	50	66	43	7	12	3052.50	256.84	387.47	41.47	1036.86	14.72
	0	70	76	12	7	2739.51	227.39	394.18	42.26	944.64	11.34
	16	73	53	8	4	2881.61	260.40	398.73	40.58	1024.54	11.40
	37	67	50	11	5	3112.94	242.68	402.54	41.38	1018.52	10.93
	25	68	55	10	8	3520.07	279.00	377.23	40.76	1029.52	11.81
	7	73	54	8	16	2541.37	264.98	353.45	42.13	1035.21	11.47
	24	75	62	12	4	2968.57	274.69	406.67	41.02	1007.04	10.22
	47	71	54	12	3	2656.63	262.09	385.82	40.41	978.10	9.21
	51	72	55	7	11	3137.56	246.61	364.76	41.45	952.17	14.43
	25	66	56	10	8	2724.51	298.52	363.12	41.15	990.93	17.89
	22	68	42	11	8	2954.39	294.31	369.64	40.13	967.66	9.54
	3	68	59	11	9	2597.89	269.29	398.24	39.60	1050.85	12.53
	7	72	56	13	13	3062.34	236.87	389.80	41.40	931.32	8.78
	42	69	75	11	6	2731.44	266.06	380.33	40.73	1009.52	13.61
	27	72	48	12	9	2986.98	276.68	381.45	40.64	1022.16	9.57
	23	74	42	14	6	3163.82	299.96	376.93	40.65	960.14	16.92
	22	70	55	10	6	3472.39	262.58	395.15	41.62	979.87	16.73

	29	65	53	12	7	3165.08	252.30	397.97	41.05	1000.93	11.26
	31	72	65	12	7	2781.62	274.33	384.39	41.24	999.39	11.83
	0	73	62	11	2	2622.48	250.01	407.08	42.39	988.06	15.63
	0	69	55	10	8	2957.81	260.78	397.18	40.16	1104.09	8.77
	11	69	77	13	8	2856.56	236.47	376.05	41.58	993.39	11.30
	16	73	63	10	8	2670.92	250.95	389.12	40.77	1052.00	13.93
	53	71	60	8	11	2750.10	267.71	383.46	39.53	1037.15	11.38
	29	68	50	11	10	2879.05	261.91	381.18	41.35	1003.59	13.99
	24	62	59	11	9	2653.69	300.22	379.47	40.05	905.42	12.34
	65	70	42	11	11	2745.64	305.85	364.66	40.52	980.62	13.41
	3	74	38	13	3	2397.72	290.78	408.77	42.03	1017.36	10.40
	2	70	57	9	8	3018.76	282.92	398.44	40.50	1007.67	15.46
	22	73	51	12	7	2787.85	258.23	385.42	41.11	982.92	9.97
	13	74	44	7	12	3131.97	288.67	384.04	41.92	968.56	11.43
	21	78	52	12	12	2814.79	270.43	349.07	41.25	965.90	16.43
	37	70	57	8	11	2508.66	254.06	390.74	41.30	931.12	9.34
	56	68	59	12	7	3939.03	274.02	385.86	41.10	1030.98	14.55
	1	63	56	12	7	2955.36	275.66	395.18	41.74	1085.88	21.09
	20	73	47	10	3	2978.13	259.40	385.46	40.59	1011.25	10.18
	10	70	49	11	13	2531.89	260.41	359.46	40.35	1024.49	9.29
	40	68	58	10	10	2850.02	257.67	364.23	42.37	958.97	11.11
	12	68	58	10	6	3056.31	298.29	375.77	42.17	1038.79	11.97
	52	71	54	12	6	3132.81	246.93	410.55	41.87	1040.45	9.89
	31	70	44	14	6	2513.56	271.12	383.60	40.75	989.13	13.06
	32	75	51	11	11	3093.80	299.40	372.67	40.31	947.89	14.95
	24	71	64	11	9	2311.27	236.17	381.52	41.92	1053.97	14.87
	28	70	64	10	9	2543.19	258.31	372.82	41.18	950.17	12.74
	11	71	71	8	12	2267.04	245.34	349.51	41.04	914.20	21.14
	10	67	58	9	13	2912.69	268.49	380.71	40.02	1068.10	17.07
	8	66	47	14	10	2866.21	249.57	380.30	41.12	1006.58	15.64
	9	78	64	11	11	2472.82	256.55	356.54	41.10	993.12	13.21
	43	67	62	9	9	3552.52	247.28	387.82	41.51	934.64	12.08
	14	65	58	11	7	3533.25	281.67	394.68	40.67	953.40	13.87
	7	73	69	11	2	2452.41	248.62	394.73	41.58	1002.79	17.58
	32	68	53	9	5	3017.69	275.06	395.69	40.69	927.03	10.51
	0	72	54	12	9	2907.65	294.04	375.63	41.31	1023.98	13.18
	45	77	58	8	7	2405.39	264.99	385.67	42.10	1013.48	10.34
	53	65	47	14	15	3252.35	251.83	348.17	41.42	957.53	14.23
	27	76	45	10	8	2600.33	284.40	370.21	40.85	1016.35	16.38
	51	69	58	15	3	3098.21	276.19	395.05	40.36	935.68	11.95
	50	70	67	11	11	2936.41	262.85	383.89	41.51	1061.60	14.66
	21	67	52	11	4	2909.33	248.49	390.55	41.23	937.91	17.65
	35	68	59	14	10	2952.67	267.56	369.62	41.43	976.54	10.47
	7	74	48	8	12	3149.89	300.30	370.42	40.94	967.71	12.79
	9	75	63	12	8	2920.10	274.65	375.75	40.82	1026.47	13.79
	42	73	60	8	7	2705.64	247.42	395.16	41.17	927.95	11.49
	28	70	55	10	5	2576.13	267.35	384.32	42.26	930.27	19.21
	6	75	58	10	13	2513.55	271.95	353.54	40.82	967.26	12.13

Lampiran Data Simulasi Alternatif Ketiga

	Jumlah Pelanggan					Waktu Pelayanan					Lama M	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales terlayani	Sales dan quick service Terlayani	CS	Cashier	Quick Service	Ambil Nomer	Sales	Ambil nomer	
	23	70	65	9	14	2897.17	251.68	366.04	41.88	1019.09	13.94	
	23	72	56	9	20	3220.87	281.75	350.60	40.94	962.09	12.98	
	24	71	61	11	17	2531.91	272.19	395.98	40.62	991.92	10.67	
	29	71	43	11	18	3117.71	277.15	399.06	41.42	1007.39	11.45	
	70	69	60	8	17	2812.40	286.18	385.80	40.80	1035.49	16.81	
	13	71	54	10	14	2981.23	295.42	390.27	41.58	1071.98	13.45	
	8	65	72	11	18	3118.10	236.24	384.86	41.82	1022.53	12.74	
	19	66	63	11	18	2840.49	264.18	365.59	41.64	1015.39	15.68	
	28	69	56	10	8	2304.48	271.85	409.26	40.84	1029.81	14.18	
	25	70	64	9	20	3309.72	273.92	380.16	41.90	927.50	15.87	
	13	73	80	9	20	3247.28	259.87	361.57	41.36	898.14	14.93	
	18	68	74	8	17	3414.71	251.63	370.02	41.59	1025.50	10.92	
	33	70	48	10	16	3221.43	284.46	369.08	41.16	961.75	13.47	
	10	66	63	11	14	2871.75	258.82	381.13	42.18	961.63	12.96	
	14	72	52	11	13	3167.73	289.01	376.25	39.82	981.46	9.72	
	6	68	57	9	19	3048.01	275.44	379.79	41.18	1015.56	12.61	
	28	69	64	10	8	3050.56	282.84	382.86	40.56	1035.92	18.13	
	5	74	57	11	16	2399.91	288.24	349.63	41.84	1032.77	11.82	
	13	66	60	8	19	2806.72	279.29	371.29	40.55	960.51	12.90	
	6	69	55	11	6	3006.25	251.82	389.74	40.68	983.23	9.89	
	0	70	70	14	11	2573.54	254.10	404.32	41.22	1035.94	12.28	
	34	67	42	10	20	3082.23	280.79	400.21	40.59	970.90	13.26	
	12	73	64	9	15	3235.89	247.86	387.77	40.69	980.32	10.27	
	34	68	65	10	15	2457.21	286.19	378.44	41.39	999.44	14.23	
	16	70	58	12	23	2900.31	255.06	361.83	40.30	1032.39	9.95	
	10	71	63	11	10	2347.36	249.47	409.50	42.05	1041.97	10.46	
	5	69	66	11	18	2961.97	240.50	354.99	41.04	970.30	15.56	
	23	67	60	11	11	3299.58	259.96	392.93	40.15	1005.27	9.48	
	33	69	67	10	10	3208.31	252.08	364.98	42.01	1023.47	11.20	
	4	75	64	12	12	2434.95	262.17	382.00	40.85	983.95	14.56	
	10	71	47	10	16	2526.80	262.16	383.75	41.35	1008.63	11.80	
	15	70	56	8	15	2458.77	289.97	396.94	40.89	1000.04	12.15	
	23	71	46	12	21	3178.88	293.45	344.00	40.71	1062.02	17.24	
	32	71	62	12	16	3158.15	281.34	389.08	41.05	1017.09	14.88	
	15	71	67	9	13	2785.66	248.39	373.64	41.77	945.99	11.82	
	33	73	57	12	9	2657.76	270.21	393.76	40.76	1050.18	14.58	
	4	73	58	8	18	2849.79	261.58	385.70	41.35	948.62	13.49	
	15	66	42	13	14	3304.79	279.28	376.33	40.36	952.54	11.65	
	34	70	68	14	17	2414.93	266.50	364.96	41.65	983.92	14.99	
	23	66	63	11	15	3309.42	270.16	378.62	40.49	958.65	10.83	
	12	69	76	10	7	2842.61	249.43	415.59	41.60	968.72	9.95	
	33	71	43	10	20	2673.54	275.52	401.20	42.56	1061.99	24.44	
	2	71	48	11	16	3208.88	259.83	401.68	40.45	993.24	10.49	
	16	71	48	10	15	2871.94	247.35	364.93	40.20	992.42	11.53	
	15	72	56	12	21	2391.99	244.77	393.18	41.58	984.57	15.22	
	0	73	62	9	22	2922.17	264.26	363.33	41.31	955.75	12.12	
	36	76	56	13	19	2799.60	261.25	405.11	41.26	988.45	20.73	
	19	70	54	9	20	2513.38	283.60	365.39	40.34	1024.15	16.17	
	10	68	74	11	18	2784.86	253.33	380.28	41.71	993.17	10.95	
	15	73	52	10	8	2612.17	268.25	409.03	41.36	1085.36	13.66	
	34	67	54	10	13	2903.51	271.03	375.32	40.79	1013.76	12.44	
	25	72	65	9	15	3658.56	250.86	392.98	40.94	1071.02	14.70	
	49	66	44	10	15	2917.92	272.90	388.79	40.78	964.23	12.87	
	14	71	56	12	19	2783.39	235.84	398.41	41.47	968.47	14.93	
	13	68	49	8	13	2332.36	275.90	383.64	41.88	1026.04	9.49	
	26	70	58	10	8	3119.66	270.60	411.11	40.33	953.76	12.68	
	12	69	61	13	17	2820.68	254.17	391.40	40.98	1022.10	12.71	

	8	71	70	11	14	2912.69	245.38	367.82	41.67	955.86	14.56
	30	64	60	8	14	3097.75	274.97	395.35	40.78	1008.27	16.18
	0	75	52	10	19	2689.53	272.00	380.40	41.26	1074.61	12.24
	0	75	65	9	16	2983.88	257.79	377.13	40.59	974.26	12.19
	18	59	57	8	21	2392.30	283.43	346.53	40.73	1081.53	7.05
	38	69	60	14	16	2711.34	277.94	380.62	39.82	970.43	13.22
	7	73	61	10	13	2857.60	237.91	369.42	40.85	1008.40	13.33
	4	71	60	11	16	3158.70	254.00	374.33	41.79	1112.88	12.13
	17	63	61	10	15	3120.40	268.54	394.63	41.64	1002.43	11.52
	17	73	54	10	7	2893.25	259.90	389.97	40.96	997.24	11.05
	30	75	42	7	22	2747.92	260.66	372.70	41.84	1022.22	13.01
	24	69	49	12	24	2925.75	294.05	397.68	41.12	1000.00	15.91
	26	69	74	10	11	3006.81	263.10	397.66	39.36	1011.83	12.47
	30	74	61	10	22	3306.01	280.02	383.93	40.21	908.13	18.51
	18	70	64	11	16	3070.47	258.48	383.18	40.59	951.47	11.95
	23	70	68	12	15	2549.98	247.59	374.65	40.39	1009.57	22.14
	0	71	60	8	17	3141.12	256.57	400.72	40.71	967.34	7.70
	2	68	62	7	26	3105.48	251.64	356.18	41.26	1003.26	14.65
	21	72	57	11	21	2813.07	276.93	367.83	41.01	1047.96	11.78
	8	69	50	8	19	2675.71	261.62	368.89	41.10	1072.05	12.92
	21	65	64	10	18	3225.28	260.09	371.64	40.85	986.88	14.21
	43	73	55	7	14	2507.36	268.20	353.66	40.00	1052.21	11.08
	11	75	52	9	22	2358.26	287.33	365.92	41.38	969.90	14.80
	0	67	68	13	17	2755.51	265.46	379.97	41.63	979.68	12.02
	8	73	63	11	28	2748.90	275.02	345.67	40.10	922.26	11.21
	38	69	43	11	14	3013.38	276.89	391.83	41.10	953.31	17.97
	3	75	66	12	20	2091.66	264.08	387.27	40.80	972.68	10.53
	22	67	69	11	20	3582.85	285.14	385.15	39.99	967.77	14.50
	45	69	51	10	11	3559.60	262.05	352.97	42.11	1018.40	18.26
	22	72	54	14	17	3100.44	296.39	369.93	41.87	1007.31	14.89
	18	75	54	12	21	3089.27	261.48	353.48	40.53	996.59	10.87
	24	74	53	11	7	2751.10	259.86	388.37	40.77	1006.30	13.89
	37	71	58	12	23	3268.58	275.84	385.00	39.89	1003.54	14.04
	29	71	61	10	10	2918.51	281.68	385.84	41.60	991.48	10.75
	0	73	65	11	12	3090.78	237.66	393.66	41.62	1017.72	12.26
	25	72	47	12	21	3325.28	261.20	374.22	41.83	1003.34	13.21
	3	71	58	10	15	3484.88	248.24	382.35	41.01	944.19	8.35
	22	78	55	10	21	2771.56	269.66	395.22	40.90	980.19	11.88
	31	81	61	11	14	2815.88	258.48	407.77	41.57	933.49	14.47
	11	71	50	8	13	2695.36	291.20	363.21	41.82	1054.68	8.42
	24	76	63	10	16	2580.34	251.69	385.80	41.06	905.81	17.66
	0	68	49	14	17	2405.80	248.82	370.71	41.08	984.45	12.20
	37	70	54	14	19	3313.69	260.21	371.26	41.25	980.58	10.31
	0	70	60	13	20	2831.20	246.24	373.83	42.37	939.22	11.28
	0	66	53	9	18	2706.53	280.10	393.11	40.95	1012.01	9.04
	8	68	59	10	7	3321.62	269.50	407.80	40.31	973.88	11.10
	10	69	64	12	14	2740.13	267.45	391.17	40.55	1025.75	8.85
	0	70	64	12	19	2807.75	264.49	383.27	41.21	982.88	12.22
	35	68	49	12	19	3321.79	271.09	362.95	40.72	967.76	11.60
	6	63	61	9	11	2991.34	272.38	416.07	41.72	986.46	11.97
	30	72	50	7	19	2420.74	270.20	388.22	40.23	1002.47	9.30
	25	70	48	8	20	3221.56	265.23	394.53	40.44	1000.18	17.23
	20	67	54	10	16	2580.04	315.00	372.64	41.87	1013.85	13.98
	17	70	70	8	18	3062.35	260.36	371.35	42.00	979.92	11.15
	6	69	64	11	21	2739.77	255.72	366.42	42.61	932.51	10.84
	10	69	59	11	13	2894.58	229.58	416.82	39.25	1059.65	11.24
	42	65	48	11	18	3461.94	275.33	366.70	40.02	983.43	11.69
	21	67	58	11	24	3105.23	265.57	375.58	41.74	999.42	15.16
	58	68	54	12	18	2980.62	265.35	394.44	41.70	949.77	15.88
	35	74	55	8	16	2543.01	266.73	385.10	41.20	1087.76	15.42
	10	72	56	9	18	3229.27	291.97	399.60	41.82	1003.58	11.63
	22	77	58	11	18	2128.68	255.48	390.43	40.82	1006.14	15.61
	4	63	55	10	21	2742.66	274.13	365.06	40.90	1039.15	9.58
	29	74	50	14	19	2517.92	262.56	365.29	41.12	1040.15	9.02

	38	73	60	12	13	2634.14	272.61	396.48	41.33	1024.41	14.76
	0	70	63	15	15	2559.79	263.55	396.23	40.29	1005.83	12.14
	0	80	49	7	12	2132.27	286.19	405.47	40.73	926.08	11.95
	3	76	61	14	11	2809.12	263.40	376.97	41.72	987.39	15.80
	1	68	70	13	18	3040.60	249.35	373.50	41.40	963.92	15.33
	16	72	49	12	14	2486.52	256.49	388.21	41.62	1006.43	9.67
	13	65	47	11	15	3062.76	265.95	405.91	40.76	983.58	13.05
	23	65	48	5	19	2702.64	266.02	365.95	42.34	1066.49	11.70
	7	73	60	13	22	2304.59	278.34	371.32	41.00	969.86	12.16
	16	66	59	13	15	2937.44	255.73	377.76	41.19	958.09	10.42
	32	67	53	14	20	2786.19	243.91	386.03	41.72	958.60	11.89
	53	69	54	11	14	3303.43	248.78	373.83	41.47	980.44	15.16
	26	67	63	14	11	3289.91	274.20	385.57	41.54	1032.59	13.40
	29	73	59	8	14	3169.98	287.40	375.84	41.47	1009.53	14.33
	29	70	61	9	15	3011.58	264.82	365.82	40.40	1019.01	19.00
	17	68	53	10	12	2943.23	264.66	391.51	41.67	977.78	12.69
	36	63	44	10	13	3478.80	289.86	378.49	41.13	954.10	10.56
	28	69	57	13	17	2961.79	265.72	377.23	41.46	981.60	12.14
	24	79	56	12	15	2492.29	229.61	408.90	41.85	999.16	20.27
	0	71	52	9	13	3344.44	251.60	362.03	41.38	1052.36	8.22
	0	75	51	13	17	2369.16	248.19	348.69	42.22	1033.60	7.76
	6	75	65	13	22	2659.69	262.77	353.07	41.83	1033.06	16.58
	25	69	53	14	15	3421.06	288.78	377.34	41.10	939.40	14.26
	18	78	44	8	14	2545.65	260.67	387.73	41.19	1100.02	10.72
	24	74	66	13	17	2102.77	268.26	348.22	41.20	915.15	12.94
	20	67	70	15	13	2907.95	260.75	385.84	40.87	1008.10	14.54
	10	68	68	11	9	3311.43	243.20	379.41	41.31	978.30	15.36
	2	72	65	11	17	2941.08	272.49	400.82	41.45	977.71	11.35
	9	75	61	13	18	2859.95	259.05	391.90	40.37	971.50	12.59
	8	74	55	12	14	2937.94	262.13	389.18	41.26	952.14	11.96
	30	67	39	10	16	2756.18	279.05	387.23	40.20	1046.21	11.56
	8	71	65	9	16	2710.94	259.06	381.99	41.41	1001.24	17.59
	24	66	70	14	15	2839.19	262.95	374.01	41.92	974.37	18.34
	38	66	57	8	15	2665.63	255.74	400.49	40.95	1013.60	17.95
	11	67	55	13	20	2532.04	279.93	368.11	41.18	1007.93	11.69
	39	73	61	9	6	2792.66	276.29	371.68	41.12	968.76	13.22
	46	68	60	12	12	2755.47	238.74	403.59	41.20	1040.73	14.45
	21	71	70	12	14	3462.65	253.67	372.72	41.98	1055.03	22.67
	3	69	64	9	20	3337.97	268.56	389.04	40.74	1072.43	15.17
	17	70	59	12	14	3056.75	248.53	359.38	41.79	1017.88	10.89
	26	71	59	11	17	2431.85	280.51	379.50	40.88	1093.21	16.92
	3	75	63	15	17	2986.86	261.50	372.93	41.09	968.48	13.48
	68	71	61	13	17	2663.78	268.47	383.97	41.68	999.31	21.49
	22	73	42	10	13	2786.82	264.64	387.29	40.39	975.12	11.61
	0	72	66	8	20	3069.49	242.32	368.76	40.85	950.36	11.63
	6	72	57	14	12	2725.12	287.64	401.44	41.17	1031.06	13.06
	14	73	52	9	14	3079.17	290.86	393.11	41.60	984.90	11.17
	22	71	47	10	25	2797.21	273.77	351.87	40.64	925.57	12.11
	27	69	59	11	17	3352.32	291.74	384.02	41.30	974.31	9.82
	43	69	58	11	9	2976.66	266.36	381.82	40.20	1001.81	14.30
	19	62	68	14	14	2751.10	275.81	402.81	42.31	984.24	18.02
	0	69	58	12	17	3027.16	276.17	358.49	41.57	976.18	12.99
	13	68	80	12	12	2741.22	269.82	395.93	42.43	985.16	13.38
	12	67	69	10	19	3543.41	256.93	385.55	40.77	968.40	17.36
	21	68	55	8	12	3084.67	232.74	394.15	42.54	1059.68	15.86
	46	69	66	9	13	2747.57	254.77	385.77	41.08	1069.69	18.14
	18	75	50	13	11	2921.71	265.05	397.35	42.10	985.48	12.67
	20	70	57	12	17	2733.73	246.18	405.51	40.90	942.77	11.97
	42	69	41	12	15	2908.13	268.45	363.56	40.89	961.00	11.93
	29	77	50	9	13	3062.53	255.61	388.62	41.52	950.79	14.41
	0	68	57	12	26	3312.58	281.29	363.59	41.01	1059.62	11.80
	22	73	56	12	21	2724.57	287.18	385.21	40.70	1041.09	13.83
	45	73	49	11	17	3078.63	257.48	390.70	41.13	986.10	19.10
	23	73	60	8	11	2776.93	241.92	397.06	43.03	1001.17	12.62

	2	69	47	11	14	2840.87	264.63	391.15	40.24	1052.89	11.89
	9	71	68	9	15	2339.10	253.28	347.72	41.39	978.70	15.17
	22	64	62	10	13	2994.42	288.42	405.69	41.51	982.81	14.39
	27	73	52	13	14	2460.61	285.33	380.12	41.33	1078.38	17.92
	25	70	63	14	17	2804.08	248.64	374.41	40.26	1020.45	11.94
	23	68	53	11	17	2849.06	281.46	361.19	41.70	1033.58	12.21
	5	69	56	13	20	3177.26	270.74	365.25	40.07	1013.80	13.19
	35	73	63	10	15	2726.22	284.02	370.91	40.91	1047.08	14.52
	29	71	48	12	12	2871.15	260.57	386.43	41.36	1021.83	14.60
	14	67	62	10	17	2590.04	261.29	328.99	40.38	1006.94	12.35
	0	75	70	9	14	2663.68	251.14	372.47	40.71	1048.14	11.03
	11	67	52	11	16	2919.59	247.71	393.98	41.07	990.64	13.53
	4	67	58	18	16	2800.15	247.11	363.79	40.66	989.62	9.58
	1	70	64	9	15	3093.85	267.75	379.29	40.50	1000.21	11.74
	13	73	59	9	15	2201.05	263.78	374.38	39.45	1049.67	11.87
	18	62	71	14	23	3215.16	251.21	392.87	40.65	983.98	10.50
	21	67	46	7	20	2846.23	272.98	396.48	41.33	1019.06	13.40
	34	72	66	11	20	3100.19	273.97	360.11	42.01	1011.51	17.43
	13	63	64	10	11	3263.90	256.53	392.15	40.48	1030.75	12.40
	22	68	56	13	14	2948.72	284.93	379.14	42.06	997.24	10.74
	37	68	51	10	23	2864.17	260.74	396.71	39.85	1015.65	12.57
	0	70	58	13	15	2338.10	283.63	398.03	41.76	963.54	9.88
	1	71	57	8	20	2730.49	265.40	380.49	41.17	1116.23	15.13
	22	76	68	11	18	2819.25	267.11	375.19	40.44	1029.12	13.09
	53	72	62	11	15	2671.42	258.62	394.46	39.73	1056.83	13.98
	18	68	43	12	19	3673.21	283.02	377.11	40.72	930.59	8.92
	12	71	50	13	18	2576.56	290.53	397.41	41.70	988.44	16.19
	0	66	62	10	13	3040.18	252.94	389.43	41.94	957.41	15.41
	29	71	59	7	21	2305.23	277.70	383.34	40.32	1026.28	9.97
	32	67	65	10	15	3245.60	269.52	352.28	41.76	965.31	12.54
	20	69	56	12	15	2997.10	270.24	385.97	40.67	1008.66	13.48
	8	70	51	12	18	2694.39	289.72	373.86	41.83	1044.04	17.51
	17	68	54	10	10	2998.09	289.72	393.23	42.16	975.20	12.74
	23	68	61	9	11	3200.36	255.46	406.40	40.79	1017.83	8.39
	0	67	48	11	21	3054.76	273.72	395.01	40.92	963.06	12.35
	19	73	43	12	21	2569.04	305.86	363.39	40.50	1022.07	12.26
	31	73	56	8	14	3107.78	255.91	409.20	40.41	922.47	13.63
	0	68	40	9	10	2617.33	264.82	387.98	40.35	985.86	14.68
	40	68	53	11	15	3220.65	282.89	373.71	41.79	989.39	13.32
	0	69	63	9	16	3065.45	274.16	377.52	40.80	1017.57	9.26
	0	67	76	12	9	3125.99	257.52	368.57	42.12	1046.04	16.60
	12	64	77	10	15	2457.39	244.89	396.82	40.13	1009.88	14.67
	36	68	62	11	13	2355.66	231.97	371.35	41.30	966.12	7.97
	0	70	52	9	11	2806.66	268.28	377.69	40.58	996.81	11.35
	1	72	50	10	15	2878.91	260.01	386.00	41.23	945.77	12.84
	6	68	55	8	15	2912.99	270.21	391.14	40.83	957.17	11.96
	5	73	59	13	16	2890.65	283.38	370.60	40.54	967.15	14.00
	31	71	65	8	26	2786.67	282.46	376.26	42.55	974.70	12.10
	22	74	57	9	18	2982.29	233.47	392.35	41.14	977.10	11.31
	2	72	52	11	15	2772.25	273.13	403.75	41.25	1088.59	12.95
	13	77	44	10	20	2603.61	248.68	367.17	40.01	920.35	13.79
	9	71	58	11	19	3332.56	259.11	397.28	41.04	953.12	11.76
	6	77	52	11	18	2776.60	282.23	385.46	42.77	1018.98	22.99
	13	70	59	11	24	2940.13	232.80	399.24	41.04	1027.58	12.33
	8	71	62	13	22	2284.00	261.48	378.10	41.53	992.40	12.49
	26	66	58	9	16	3203.61	261.69	394.61	40.96	955.56	15.60
	12	69	59	12	13	3292.09	265.70	395.88	40.55	918.43	10.15
	1	76	45	12	15	3643.07	283.10	404.57	41.42	870.01	13.97
	1	72	60	12	19	2681.97	270.66	372.17	41.53	947.19	9.99
	0	70	50	10	18	2736.84	259.70	363.29	41.85	899.00	14.62
	29	71	67	8	17	2840.05	270.26	370.01	40.74	1030.31	12.19
	0	69	61	9	12	3328.08	252.58	400.04	40.86	980.54	10.15
	12	70	63	10	15	2777.95	266.19	356.58	41.13	978.18	15.71
	0	72	75	11	21	2995.63	251.10	375.87	40.49	973.33	15.95

	48	70	53	11	17	2797.23	276.44	380.02	41.98	967.25	13.30
	9	69	82	10	24	3186.24	234.49	378.62	40.07	1038.05	10.57
	22	71	57	16	14	3308.43	274.67	384.12	41.00	967.66	16.43
	7	64	66	8	14	3583.86	268.26	379.21	40.32	981.23	11.80
	0	67	57	11	16	3180.55	256.75	346.50	42.51	1039.37	15.86
	23	71	62	9	26	2480.58	257.94	364.07	41.17	1060.83	11.97
	9	72	56	13	15	3020.33	264.76	362.99	41.24	978.70	11.13
	12	71	48	9	18	2520.27	250.46	384.47	41.01	1035.54	13.04
	32	70	62	10	23	3044.87	256.27	382.06	40.59	1010.67	10.97
	41	70	70	11	23	2732.19	266.53	386.79	41.09	1011.57	12.06
	20	70	49	10	12	2539.21	286.09	360.24	40.01	946.22	13.25
	26	75	53	10	12	2902.17	266.36	405.69	40.74	994.65	12.56
	19	71	38	12	15	3224.74	277.09	376.74	40.90	983.68	13.96
	28	72	57	11	22	2981.00	245.43	380.28	41.61	1014.85	17.01
	1	72	66	10	23	2447.30	281.82	360.04	40.85	1007.53	13.62
	14	66	55	9	10	3944.32	251.60	411.77	42.25	970.91	10.09
	32	74	56	10	22	2855.62	271.72	377.39	41.28	1002.96	14.22
	12	76	62	9	18	2982.08	259.86	384.18	41.76	1014.55	11.67
	9	70	57	13	15	3165.51	306.99	392.72	40.81	992.39	13.20
	10	78	48	8	10	3357.66	280.87	391.71	41.33	1039.95	13.77
	8	72	54	11	16	2943.14	262.14	376.69	40.52	1025.36	12.23
	0	71	56	11	21	3008.23	275.88	364.44	41.51	954.62	10.42
	25	70	58	7	12	2677.10	277.45	395.62	39.93	977.37	9.81
	2	70	51	9	18	3190.08	250.11	379.00	41.31	969.82	14.09
	0	62	53	9	20	3378.75	263.27	386.45	40.53	1004.30	10.65
	21	68	58	6	16	3078.27	255.10	379.91	41.80	1012.81	15.36
	35	73	64	11	21	2405.30	266.36	359.64	40.33	935.02	13.73
	22	74	54	9	18	2632.74	265.26	370.15	40.95	1029.47	14.08
	40	66	57	11	8	2677.60	263.22	402.52	42.17	921.34	11.30
	9	77	41	12	17	2526.16	268.22	401.17	42.17	990.85	12.47
	0	64	56	10	12	2414.26	276.39	363.46	41.15	1006.09	14.05
	2	68	58	12	12	2997.46	245.88	396.53	41.55	1009.37	7.83
	31	70	62	11	16	2490.92	267.73	380.37	42.26	1013.15	8.02
	7	75	61	9	19	2416.02	272.22	374.17	40.69	987.71	13.59
	20	68	51	10	12	3207.97	274.30	391.60	41.07	1074.39	15.63
	19	64	62	12	22	3577.39	246.63	392.44	41.09	1000.67	10.45
	5	69	55	13	21	3101.95	265.29	337.95	41.39	993.11	13.08
	0	66	65	13	17	3649.84	259.36	365.73	41.19	983.92	16.22
	2	68	48	9	20	3382.88	281.55	378.38	42.80	1056.63	11.15
	16	67	68	13	20	3006.92	240.91	373.37	41.75	965.20	12.61
	39	73	50	14	16	2710.42	272.69	382.53	41.01	979.71	11.34
	6	74	59	18	13	2658.10	246.51	396.48	40.26	980.47	10.21
	36	68	50	12	20	2379.94	276.43	399.51	41.17	1016.17	18.60
	42	71	61	7	16	2839.60	258.49	389.75	40.74	933.69	10.92
	35	69	47	13	19	2992.11	286.00	371.67	40.98	998.84	12.66
	38	72	54	13	16	3000.29	284.86	380.61	42.20	1024.76	22.90
	34	69	48	12	15	3537.46	277.41	351.59	40.34	989.54	15.97
	27	68	68	10	18	3068.14	231.68	398.01	41.54	976.79	15.60
	18	69	45	9	20	3035.05	281.48	380.19	42.29	1001.44	16.21
	6	64	56	13	15	3547.28	268.98	374.29	41.09	956.81	19.71
	11	73	51	11	19	2756.17	275.09	381.52	40.49	951.17	10.62
	15	72	53	10	12	2534.46	269.66	396.35	42.51	945.08	11.55
	25	77	72	10	21	2864.60	250.74	377.81	41.17	1004.31	13.28
	10	75	55	12	17	2773.17	266.67	378.93	40.99	973.95	14.27
	36	70	54	13	19	2992.84	274.56	379.25	40.05	951.93	13.73
	10	74	52	9	21	2713.00	261.89	374.64	41.14	937.28	10.55
	21	71	54	9	18	2781.18	275.57	399.87	40.69	1030.56	15.11
	29	72	67	10	16	3057.99	244.89	397.71	40.73	956.09	11.73
	18	78	43	13	22	2391.37	324.55	388.88	40.20	1048.74	13.56
	41	73	72	12	25	2551.08	264.18	364.63	41.74	958.85	16.37
	24	67	66	14	19	2601.32	278.44	389.24	41.21	1002.09	10.52
	24	66	59	12	14	3037.50	244.99	387.70	40.15	932.30	10.17
	10	71	47	12	13	3026.01	275.30	372.11	40.60	1045.09	11.67
	33	79	58	12	19	2491.51	286.33	384.45	41.03	951.29	8.95

	17	77	51	8	22	2291.55	263.00	387.13	40.44	1048.89	9.86
	27	70	46	10	16	2946.65	301.07	376.03	42.38	978.39	16.51
	23	74	58	13	17	2812.73	260.41	382.16	41.39	1009.60	11.20
	11	71	63	9	19	2533.38	273.86	392.57	41.44	999.72	13.63
	50	71	46	8	22	2910.73	263.88	364.23	41.30	997.91	11.69
	9	69	45	8	19	3055.22	298.56	393.54	39.82	907.08	18.47
	21	75	46	9	13	2785.42	286.43	401.02	39.96	1030.35	13.52
	2	74	56	14	12	2289.32	286.44	370.16	41.01	1022.82	8.89
	31	65	63	10	24	2835.93	277.68	375.96	41.12	954.25	15.08
	19	67	70	7	21	3267.18	250.15	355.09	41.44	1017.20	13.02
	2	67	39	13	15	3065.43	283.02	391.41	41.50	928.83	15.19
	26	67	55	10	14	2179.65	269.76	384.78	41.39	1033.98	10.06
	18	66	60	8	15	2985.23	266.74	376.63	41.38	940.64	7.78
	35	66	50	11	17	2549.50	306.27	380.34	40.34	1000.56	15.87
	20	69	56	10	18	2923.01	269.38	366.75	42.56	1006.28	15.31
	0	67	62	16	9	2740.00	265.57	386.90	40.79	977.41	11.01
	0	76	54	9	14	2439.74	262.21	401.15	40.66	981.76	17.38
	14	76	57	11	22	2822.75	236.70	362.52	40.51	935.49	13.38
	63	67	61	7	18	3015.06	258.98	363.16	40.52	1042.95	10.25
	27	74	77	8	18	2709.90	260.39	377.74	41.12	1058.62	14.70
	24	69	36	11	22	3055.43	246.87	383.08	41.25	1019.47	16.84
	17	71	61	8	18	2175.10	266.74	404.02	41.34	1054.10	17.23
	19	73	52	8	20	3325.15	248.31	394.39	40.46	935.88	10.96
	0	75	48	10	20	3294.45	268.36	363.52	41.17	901.69	12.62
	41	71	46	11	19	3046.59	270.90	390.42	41.55	981.00	12.99
	27	72	47	12	21	2329.04	283.18	392.88	41.48	944.48	10.63
	4	68	52	10	22	3841.16	266.70	382.85	42.27	1020.37	13.37
	8	68	50	14	12	2959.13	288.05	369.23	40.44	903.57	10.20
	25	68	52	10	18	2723.54	283.09	378.35	40.91	986.57	9.95
	15	75	63	11	12	2848.48	269.62	361.44	42.58	928.79	13.73
	0	75	45	11	15	2658.71	271.29	382.65	40.45	938.98	10.84
	0	63	59	9	17	3075.67	263.56	380.46	41.63	953.23	17.59
	9	73	62	8	16	2832.27	253.42	377.61	42.07	919.27	12.84
	12	61	78	14	17	3841.84	254.25	399.04	40.49	939.65	9.83
	22	66	61	10	15	3609.35	249.69	372.97	40.81	979.26	13.90
	13	72	58	9	21	3021.98	288.87	381.05	41.88	984.21	10.25
	22	74	56	9	19	2324.63	267.25	397.76	41.39	998.58	13.61
	44	70	64	9	14	3282.02	262.22	368.17	40.72	1029.35	14.38
	2	70	63	11	16	2979.59	254.54	401.84	40.73	1009.08	20.96
	22	68	51	10	16	2774.08	270.39	395.59	40.93	924.01	12.47
	39	67	58	10	19	2349.12	260.74	362.64	41.05	1082.19	12.46
	44	68	53	13	22	3449.79	256.25	364.43	41.95	1024.45	15.74
	0	70	39	12	16	3514.35	288.45	395.88	41.72	1010.10	15.99
	34	71	62	8	18	2977.77	240.41	389.87	40.35	980.04	12.20
	19	70	58	9	13	2687.25	255.58	384.33	42.71	966.49	9.44
	17	69	51	11	13	3155.28	285.51	393.59	40.26	997.24	16.34
	23	68	58	12	14	2996.20	297.65	388.77	41.70	1002.01	16.25
	32	81	63	11	23	2289.73	290.11	383.29	41.11	1089.08	17.80

Lampiran Data Simulasi Alternatif Keempat

Replikasi	Jumlah Pelanggan				Waktu Pelayanan				Lama Mengantri	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales dan quick service Terlayani	CS	Cashier	Sales	Ambil Nomer	Ambil nomer	Dilayani
1	0	80	58	51	2840.97	239.45	625.57	40.39	11.06	1453.24
2	0	80	62	50	3354.52	280.24	612.97	41.33	9.87	1160.81
3	6	73	48	52	2703.73	302.57	627.87	41.51	23.70	2404.27
4	0	76	56	53	2547.44	271.30	739.56	41.25	10.13	1201.18
5	0	80	51	50	2695.58	290.48	637.99	41.12	17.30	1227.99
6	0	73	54	40	2847.18	263.32	628.87	42.03	16.51	2462.50
7	0	86	76	39	2562.34	266.70	723.38	40.66	12.24	1134.46
8	0	80	61	39	3201.90	265.91	759.73	41.64	12.92	1998.19
9	7	76	55	47	2728.53	273.86	781.78	41.73	14.90	2773.79
10	30	78	43	47	2670.82	294.71	706.51	40.62	14.95	2194.53
11	0	82	53	54	2765.43	282.61	696.73	41.16	16.21	523.19
12	0	81	45	50	2615.46	263.94	686.13	41.55	19.25	1242.05
13	0	78	63	50	2571.04	274.17	629.30	40.92	11.67	679.93
14	2	81	61	55	2348.33	285.32	677.35	40.20	16.75	2082.22
15	7	80	52	47	2493.89	266.35	554.76	40.94	17.76	2914.35
16	2	77	49	49	2854.57	269.60	739.65	41.76	14.11	2982.42
17	0	77	59	43	2774.09	262.18	692.00	41.85	9.07	1861.79
18	16	74	45	50	2925.88	273.90	644.03	41.62	14.66	2931.56
19	0	79	45	44	2292.85	281.64	582.10	41.52	10.83	1749.90
20	0	74	64	49	3102.79	290.83	703.27	42.18	13.68	1861.39
21	0	78	46	49	2646.00	297.80	782.25	41.26	16.40	912.87
22	0	78	68	37	2934.69	280.01	760.63	39.93	10.17	1118.82
23	0	77	39	51	2477.58	291.97	714.57	40.72	16.06	2062.24
24	0	81	55	57	2275.99	264.93	570.68	42.03	10.76	1783.92
25	0	77	61	52	2767.96	271.34	650.31	40.57	15.15	1321.04
26	0	71	49	41	2740.03	245.60	737.13	41.35	11.80	1552.65
27	0	76	57	39	3256.30	254.49	661.88	40.57	7.70	1777.48
28	0	77	59	45	3094.82	252.82	693.13	41.33	12.75	1603.50
29	0	71	59	51	3047.48	260.82	770.14	42.44	20.34	1362.08
30	0	77	51	50	3140.35	278.29	630.00	41.95	12.51	1802.35
31	0	73	49	49	2961.27	267.91	714.26	42.33	10.61	2082.21
32	0	76	53	39	3397.63	236.38	777.34	41.01	11.42	1792.41
33	0	72	51	47	3561.23	269.12	732.52	40.46	10.93	1245.54
34	3	78	64	39	2522.94	237.00	711.54	40.88	23.77	1941.28
35	4	73	43	46	2771.66	256.33	694.74	41.25	19.16	2642.93
36	19	76	43	50	3017.51	286.94	696.47	40.68	16.87	2513.68
37	0	86	68	43	3053.22	249.27	911.55	40.50	8.77	1905.19
38	0	81	59	50	3140.13	261.18	720.04	41.76	10.26	994.34
39	6	83	75	48	3380.96	236.71	709.82	42.48	25.03	2328.96
40	0	83	55	51	2940.31	275.76	694.22	41.25	9.74	1421.12
41	0	81	76	52	2352.62	270.58	684.31	41.90	17.23	1807.43
42	0	74	48	44	2330.13	305.91	868.53	41.18	11.03	856.63
43	21	77	37	48	3060.52	292.83	667.26	40.72	16.50	3037.43
44	0	80	57	33	2734.37	278.36	628.67	42.13	11.63	1816.92
45	0	80	52	56	3316.86	256.49	639.28	41.01	15.32	1254.96
46	0	84	50	56	3506.36	273.40	624.47	40.34	10.24	1302.51
47	0	82	43	49	2960.03	302.73	730.18	41.02	8.50	1171.97
48	0	73	55	47	3214.09	275.06	718.82	39.62	11.94	1903.74
49	0	72	59	43	3604.71	243.45	697.09	40.82	11.84	1863.27
50	4	75	54	48	3429.56	247.41	584.62	42.37	13.51	2261.65
51	0	79	64	44	2866.88	255.61	678.54	40.93	13.35	1444.59
52	0	78	53	52	2623.54	263.19	661.96	41.55	13.99	1292.57
53	0	81	62	52	2574.10	288.01	704.09	41.64	12.62	1588.45
54	0	80	53	55	2363.26	271.74	653.32	42.52	13.95	1286.02
55	0	73	56	38	2637.42	264.68	766.61	41.91	10.05	593.20
56	0	81	57	38	2711.36	257.40	741.37	42.55	19.59	2121.02
57	0	78	50	48	3032.22	289.45	711.35	41.38	14.49	2598.01

58	0	80	55	49	3055.64	271.34	580.43	41.13	11.82	1554.02
59	9	80	66	49	2823.79	250.52	751.62	40.94	12.70	2253.82
60	0	82	54	52	2763.33	228.72	662.59	41.36	8.92	677.77
61	0	77	49	48	3276.64	258.85	568.84	39.93	11.28	1231.79
62	0	82	53	43	2417.88	268.68	577.93	41.20	10.82	469.03
63	18	70	36	42	3043.68	279.32	782.66	40.24	13.80	2131.41
64	0	72	65	52	2988.49	252.10	686.65	40.64	13.41	1290.46
65	4	74	64	52	3452.47	266.14	631.31	41.64	15.81	2472.88
66	7	80	55	47	3583.08	255.23	661.68	41.00	20.22	1975.60
67	2	75	53	46	2992.81	278.44	610.93	41.79	13.42	2718.51
68	0	75	52	47	3371.69	299.02	796.25	41.41	15.51	2553.51
69	0	77	51	48	2337.45	241.66	569.28	41.67	13.84	592.59
70	0	76	51	50	2652.39	268.72	641.13	41.42	10.99	1014.96
71	0	74	67	50	2808.64	258.65	649.52	41.62	9.74	1808.92
72	0	73	66	49	3123.24	246.88	677.25	41.69	16.62	2117.31
73	0	81	52	52	2318.09	261.92	609.51	41.13	12.01	1603.23
74	0	75	47	49	2868.00	289.38	658.97	41.30	14.23	1656.85
75	0	75	61	45	3061.94	274.63	673.51	41.39	17.82	2133.66
76	0	75	57	40	2957.50	268.82	686.24	42.03	15.89	1408.12
77	0	80	40	50	3335.53	255.51	718.55	40.09	11.31	1494.99
78	0	70	58	53	3186.32	262.62	592.07	42.04	15.35	1975.51
79	0	79	44	46	2780.15	268.38	716.50	40.90	9.95	656.79
80	0	76	58	47	3217.94	260.94	642.70	39.93	10.75	1425.34
81	0	75	47	55	3532.62	286.77	662.24	40.29	10.07	1519.15
82	0	76	48	46	2847.74	307.31	673.19	40.93	11.12	1679.16
83	0	76	57	60	3137.75	228.57	714.90	42.42	14.11	1983.78
84	0	75	55	48	3058.65	255.22	823.44	41.15	8.62	339.92
85	0	81	50	48	2760.61	251.45	746.70	41.85	12.51	1788.58
86	0	77	66	39	2854.63	260.74	698.32	41.68	9.16	1329.01
87	2	80	52	53	2372.62	281.77	684.74	40.65	10.72	1875.28
88	0	76	63	45	3189.57	254.07	681.66	39.69	9.63	2483.58
89	0	74	54	41	2366.30	266.88	721.13	42.87	9.34	1498.96
90	0	86	67	49	2507.56	236.89	655.97	40.63	9.37	1437.46
91	14	78	51	53	2975.89	274.20	759.55	41.96	19.97	2770.56
92	0	77	61	53	3212.12	267.77	702.48	41.43	10.60	1063.87
93	7	83	50	47	2287.23	282.37	827.92	41.61	13.94	1914.14
94	0	76	47	43	3814.26	255.60	704.22	41.00	12.64	2784.35
95	0	77	41	42	2626.12	253.42	723.26	40.93	10.06	2544.46
96	2	80	44	48	2906.19	266.96	767.45	41.10	20.09	2178.63
97	0	71	74	42	3112.56	277.57	628.73	41.07	12.14	1520.72
98	0	78	58	44	2720.51	284.44	747.96	41.88	17.71	2372.38
99	11	74	58	48	3339.65	277.80	690.59	40.84	15.78	2771.05
100	6	76	47	46	2630.35	272.62	761.60	40.11	14.34	2361.75
101	0	75	58	55	2981.15	284.70	653.05	42.08	14.25	2184.50
102	0	82	69	47	2407.17	248.84	756.84	40.93	11.94	526.01
103	0	79	78	41	2965.33	251.50	730.17	40.87	17.69	1540.34
104	0	75	58	51	2911.16	251.33	785.87	40.44	13.45	2432.54
105	10	79	44	53	2459.78	277.29	562.59	40.68	15.85	2688.13
106	0	82	59	46	2987.14	260.86	705.58	41.58	10.19	1991.77
107	0	71	62	52	2662.13	269.36	662.38	39.70	11.59	1374.93
108	0	74	60	39	3107.50	287.37	592.94	42.78	11.21	2164.10
109	0	77	61	43	2599.19	290.29	762.61	41.47	14.69	2360.38
110	0	77	53	54	2696.15	270.66	696.29	41.23	13.40	2146.66
111	0	79	60	44	2797.85	279.92	733.40	42.34	13.41	1626.00
112	0	77	49	44	2504.90	252.51	603.49	39.88	13.47	2090.89
113	0	80	76	43	2596.69	249.68	842.58	40.63	11.58	1188.74
114	0	75	46	50	2852.45	258.83	673.66	40.61	12.00	1283.62
115	0	74	44	48	2512.63	262.26	607.32	40.62	12.83	2301.58
116	0	79	54	46	2643.67	275.72	784.53	40.80	11.13	1686.12
117	26	82	53	46	2919.26	250.38	696.16	41.03	15.86	3031.05
118	5	75	58	46	2588.87	268.80	770.08	40.75	10.41	2920.68
119	0	80	54	49	2924.66	276.63	656.43	39.55	11.25	925.28
120	19	83	51	45	2821.27	297.19	804.27	40.15	13.52	1785.66
121	0	79	48	51	2850.97	272.36	754.51	41.82	13.66	1955.01

122	0	73	63	42	3058.16	280.80	683.97	41.37	18.06	2429.74
123	0	80	54	58	2680.70	250.08	553.62	41.67	9.82	1908.86
124	0	84	62	45	2982.81	256.22	720.23	41.35	17.84	2461.19
125	13	77	53	45	2631.19	283.26	728.28	41.44	14.66	2856.55
126	0	76	63	53	3481.05	255.39	597.73	40.78	10.58	1411.11
127	0	75	53	47	3378.51	251.31	608.75	40.22	8.06	1152.59
128	14	84	57	44	2901.71	289.15	818.01	41.43	17.68	3239.46
129	0	74	57	45	2865.08	254.37	671.74	40.71	9.19	1492.19
130	0	82	53	52	2862.12	276.47	716.26	41.02	9.95	2823.41
131	23	83	52	49	2607.88	252.05	749.03	41.19	15.76	2541.87
132	7	70	57	50	3017.81	277.24	638.28	40.59	13.56	2823.54
133	24	76	50	48	2554.08	264.90	670.33	40.94	16.46	2113.14
134	0	77	48	49	2543.43	289.26	737.62	40.89	12.44	2130.84
135	6	75	66	53	2626.73	272.64	672.36	41.54	19.65	2602.61
136	0	81	59	47	3725.89	262.19	777.62	41.24	10.11	1852.22
137	18	73	42	53	3683.40	285.50	599.71	42.12	18.07	2787.36
138	0	78	62	47	3371.22	284.04	633.43	41.40	15.69	1772.20
139	0	84	53	48	2839.50	308.18	712.35	42.78	13.12	1988.82
140	0	83	52	39	2862.73	256.55	748.76	41.13	14.68	1924.10
141	0	74	67	49	2928.83	249.26	680.82	40.22	17.19	1059.18
142	0	67	59	44	2748.44	254.45	656.80	39.54	9.18	1629.78
143	8	82	49	44	2954.98	280.42	745.97	40.68	11.11	2576.33
144	0	77	57	44	3095.53	253.62	789.11	41.17	10.47	665.21
145	1	80	47	37	2552.25	263.14	824.76	41.19	13.42	1956.94
146	0	79	42	53	3104.20	265.41	691.58	41.20	9.77	1897.36
147	9	72	47	43	3100.70	275.31	711.83	41.75	12.16	1913.21
148	0	74	67	40	3350.11	280.60	698.42	41.38	13.93	1864.77
149	5	76	53	48	3155.57	252.76	787.11	41.29	13.02	1756.84
150	0	77	60	45	3275.90	274.44	649.44	41.18	14.38	2604.02
151	0	71	52	48	3510.23	278.43	694.11	41.12	13.55	2236.55
152	0	84	63	51	2680.02	262.03	757.09	41.99	11.79	1745.87
153	14	78	55	56	2870.44	280.45	698.97	42.05	17.40	2507.41
154	0	78	59	56	2798.37	262.16	541.07	41.51	13.60	1640.59
155	14	80	53	47	2041.12	282.50	704.08	41.49	15.94	2174.05
156	0	82	69	40	2726.82	272.48	737.12	42.03	11.34	1102.93
157	0	70	55	53	2429.86	274.23	620.48	41.20	11.63	756.25
158	0	84	58	51	3044.67	258.84	629.53	41.28	12.33	1492.32
159	0	78	51	48	2644.87	281.22	686.89	40.23	14.52	1967.09
160	0	77	44	48	2775.57	258.06	646.48	41.62	13.83	2241.11
161	0	73	52	44	3018.54	234.59	703.79	40.83	12.64	1670.21
162	0	74	59	49	3150.86	267.36	683.48	42.15	13.13	1644.18
163	0	78	75	55	3105.15	235.29	516.11	40.30	17.85	808.79
164	0	81	46	54	2466.53	273.86	726.44	40.61	10.30	796.34
165	0	85	50	45	2940.27	235.37	617.64	43.14	10.51	2274.01
166	4	75	69	47	3148.33	250.02	647.71	40.98	15.49	2401.87
167	0	76	46	42	2275.83	257.72	781.58	42.35	11.22	1786.28
168	0	75	64	48	2758.82	258.13	729.86	41.00	11.18	1192.10
169	14	72	52	49	3012.39	266.53	620.22	42.64	17.31	3172.06
170	0	76	53	48	3137.86	266.04	667.33	40.67	13.48	1943.53
171	0	80	54	44	2590.90	278.32	719.04	41.16	12.38	2064.25
172	29	77	42	42	3072.36	291.36	707.20	40.72	16.94	2873.59
173	32	76	56	44	2545.45	271.11	758.52	42.03	27.40	2810.12
174	0	81	65	50	2682.44	248.54	761.18	40.07	12.95	1658.45
175	0	82	49	52	2099.11	282.26	697.56	41.39	15.45	1638.24
176	0	76	45	51	3576.32	273.31	669.11	41.15	12.68	1282.97
177	0	71	39	51	3096.21	260.11	563.93	41.34	13.72	2381.14
178	0	76	51	53	2954.58	283.63	635.96	42.67	11.28	614.53
179	0	83	50	48	3290.22	272.26	619.83	41.88	9.20	736.62
180	3	76	63	49	2541.90	248.16	685.07	41.90	17.00	2650.88
181	4	76	65	53	2380.88	242.70	670.24	40.71	15.06	1714.79
182	0	79	48	50	2697.91	298.78	653.05	39.19	13.65	1395.82
183	0	84	39	47	2713.33	280.43	702.64	42.03	9.44	1524.31
184	1	78	58	31	2608.25	271.96	814.62	41.80	11.97	2313.28
185	9	80	64	45	2554.92	274.85	658.95	40.61	13.87	2152.67

186	0	76	52	50	3006.53	272.17	648.06	42.16	15.29	1056.65
187	0	78	59	50	2063.48	246.42	716.55	41.99	16.39	1863.52
188	0	78	59	49	2345.70	262.00	724.42	42.11	13.38	1483.21
189	0	75	55	42	2722.19	290.97	754.03	41.04	10.92	2257.74
190	0	83	63	36	2590.68	263.77	655.22	40.69	11.34	2006.31
191	4	75	52	52	3263.71	244.62	654.08	39.98	12.61	1757.46
192	1	74	63	46	2758.21	239.41	735.01	41.52	9.33	1148.68
193	0	75	59	51	2925.18	263.37	616.01	40.98	13.32	1509.90
194	0	80	64	46	2441.72	268.04	805.58	41.48	12.19	995.87
195	0	76	54	48	2729.25	277.52	770.36	42.19	14.50	1821.79
196	0	73	69	49	3190.22	251.87	587.65	41.10	11.59	1118.99
197	4	79	73	50	2606.01	246.59	613.24	40.55	13.67	1725.83
198	15	78	54	54	3023.12	278.73	625.86	41.41	13.58	2158.26
199	0	75	55	46	3426.56	269.59	669.09	40.82	8.08	864.32
200	10	74	74	39	2901.84	263.03	824.56	41.23	12.16	1910.76
201	0	78	54	43	2375.17	256.12	624.91	40.82	12.03	886.47
202	17	75	53	48	2712.48	251.10	640.39	41.77	14.34	1634.42
203	0	74	58	45	2968.43	284.30	751.04	42.22	10.64	1748.22
204	0	76	53	45	2650.70	273.45	678.45	41.20	8.39	879.63
205	0	77	61	47	2533.88	253.84	724.94	41.85	14.45	744.34
206	0	71	45	47	2901.53	238.14	672.62	41.99	16.07	2346.41
207	5	74	59	47	3307.63	246.77	660.89	41.27	12.53	2565.22
208	0	78	64	51	3340.19	262.19	676.54	41.15	14.06	1638.11
209	0	76	54	43	2691.79	285.77	689.15	41.10	10.31	1080.62
210	0	79	70	49	2500.95	263.07	669.76	40.57	12.15	1173.33
211	0	74	72	46	2576.60	266.65	631.65	41.47	9.54	841.85
212	5	75	57	48	2707.82	241.34	788.91	40.52	19.68	1716.79
213	1	80	53	47	2986.97	291.97	736.38	41.20	17.60	2226.43
214	0	77	50	45	2438.38	250.63	686.13	41.06	7.98	1185.66
215	0	77	44	39	3486.84	308.99	695.78	41.93	14.86	2758.38
216	0	77	56	49	2242.85	252.82	617.06	42.02	14.14	1747.15
217	0	74	38	46	3172.04	280.01	682.10	41.57	13.94	2674.90
218	0	76	55	47	3149.65	228.08	598.74	40.72	12.10	1612.52
219	0	77	45	50	3065.99	274.85	669.74	41.38	17.71	1692.31
220	4	76	72	48	2606.98	276.68	615.55	40.66	7.53	986.96
221	0	79	59	46	2471.90	276.18	775.81	42.03	14.07	1943.69
222	13	72	51	47	3482.26	271.22	668.48	40.65	11.14	2249.95
223	0	79	55	41	3336.91	265.67	781.65	42.53	16.21	811.15
224	3	77	56	57	2364.99	272.86	682.03	41.07	13.69	1929.49
225	0	76	52	42	2336.84	273.53	667.23	40.75	13.15	1960.63
226	0	74	71	53	2905.25	280.53	720.49	41.05	10.16	1843.11
227	0	70	50	47	2968.26	258.56	697.22	41.10	12.86	2108.35
228	10	79	44	50	2668.28	270.05	690.20	42.18	10.44	2782.51
229	0	76	62	50	2968.82	273.90	644.53	41.23	10.24	601.55
230	9	80	60	44	2585.24	271.49	652.95	40.06	12.14	2156.79
231	0	76	55	48	2388.32	278.86	674.87	40.72	12.89	834.34
232	0	75	56	44	3075.12	294.12	646.17	40.97	13.94	1672.34
233	0	78	60	48	2794.23	281.00	886.41	41.61	14.75	1724.46
234	0	72	58	43	2679.04	292.79	705.52	41.88	10.50	2015.35
235	10	75	61	46	3484.81	264.27	703.31	41.70	13.10	2100.05
236	19	73	59	56	2877.51	268.60	602.41	40.99	13.55	2500.49
237	0	81	50	43	2889.16	282.72	719.34	42.35	9.48	2848.64
238	0	83	54	40	2506.30	280.30	706.91	39.57	10.86	1985.51
239	0	78	65	50	3590.45	246.74	671.08	41.35	20.68	2024.95
240	0	80	61	50	2289.77	243.51	690.65	41.22	15.18	1483.43
241	0	72	60	44	2403.21	252.74	707.00	42.03	17.78	1296.24
242	0	82	38	39	2452.56	271.95	650.14	41.31	8.76	1882.04
243	13	75	47	54	3258.18	273.76	613.37	39.45	11.06	2482.89
244	0	73	53	48	2940.77	281.68	583.36	40.73	9.49	1852.24
245	0	76	52	49	2872.72	273.54	680.27	42.06	16.81	2308.91
246	1	76	42	49	3137.63	269.05	700.52	40.37	11.14	1401.42
247	0	83	47	41	3135.87	268.65	662.86	41.20	10.56	1098.03
248	0	79	67	52	2766.05	268.75	616.86	40.73	11.09	2101.27
249	0	82	44	50	2458.47	278.54	668.10	41.57	10.39	2237.93

250	0	73	51	48	3426.66	271.41	738.03	40.94	14.74	2775.96
251	0	76	55	50	3277.97	272.17	809.94	41.60	13.68	2733.94
252	0	80	57	43	2757.01	276.28	753.58	40.33	12.90	1168.01
253	14	80	45	48	2577.38	261.63	702.54	41.16	14.16	2587.33
254	4	72	56	43	3176.09	258.89	649.73	41.33	12.15	1809.05
255	0	77	76	52	2974.84	246.70	665.84	41.24	11.08	739.50
256	0	75	60	43	2737.98	251.48	689.48	40.84	14.77	960.49
257	0	81	56	53	2794.83	270.14	664.75	41.34	8.74	905.79
258	0	76	65	49	3220.02	257.02	712.79	39.96	15.94	2805.06
259	0	77	60	41	2949.80	277.68	761.41	40.58	15.54	1118.39
260	0	76	66	48	3164.55	263.87	650.16	41.71	13.98	1813.46
261	5	71	55	44	3651.34	263.41	753.40	41.07	10.47	2204.87
262	0	80	61	50	2843.02	246.40	715.47	42.32	13.91	633.15
263	0	80	52	52	2810.73	230.50	708.01	41.10	12.97	2476.50
264	0	79	52	44	2754.59	294.18	690.54	42.61	13.07	1856.42
265	0	71	45	55	3249.98	290.65	619.03	41.05	11.70	1411.12
266	0	78	60	52	2751.19	262.86	607.05	42.23	14.61	1297.99
267	0	74	51	43	3429.77	281.88	705.50	41.73	14.91	1733.54
268	0	72	57	45	3354.77	254.10	758.65	41.45	14.03	2361.01
269	6	79	45	50	3119.36	278.28	704.77	40.59	15.23	2429.54
270	0	79	72	42	3388.14	251.94	624.78	40.95	18.86	2045.24
271	16	83	70	50	2531.07	239.07	672.33	42.25	12.41	1418.96
272	0	76	63	49	2812.41	257.27	667.84	40.61	14.42	1129.42
273	0	80	51	44	2887.08	279.59	696.72	40.57	10.73	662.79
274	0	81	58	49	2541.29	255.44	755.16	41.42	11.80	2232.19
275	0	76	50	50	2769.99	302.83	662.86	39.86	11.75	1882.99
276	7	78	58	49	3006.47	253.71	724.85	40.70	18.54	2538.65
277	0	76	65	54	3151.72	278.89	709.80	41.59	15.05	916.79
278	0	78	56	47	3783.23	257.73	640.22	40.76	12.45	1731.35
279	0	83	50	44	3143.38	240.19	725.70	41.27	15.04	912.99
280	9	74	50	49	3201.20	277.96	616.58	40.59	10.08	581.01
281	11	73	51	35	3159.33	269.77	706.06	40.86	10.35	1102.25
282	0	78	40	54	2317.23	289.02	608.16	40.37	7.37	1577.64
283	0	77	61	44	3547.58	271.32	623.38	40.77	10.99	2175.12
284	0	78	50	53	2799.76	268.28	515.89	41.60	16.86	2183.12
285	5	71	54	45	3182.30	289.15	768.30	41.88	13.87	1729.74
286	0	78	52	49	2173.03	286.38	638.79	42.09	22.96	2571.67
287	0	78	47	45	2766.98	277.40	641.77	41.71	10.60	2414.80
288	2	72	48	35	2985.98	251.22	833.63	39.94	9.87	2156.84
289	0	80	65	49	2498.52	251.36	683.94	41.87	14.21	1653.16
290	0	81	47	49	3112.67	245.32	659.87	41.67	10.01	1061.57
291	0	79	45	55	3068.87	287.16	602.56	41.40	13.29	2146.97
292	0	72	55	45	3220.81	284.05	706.75	40.83	12.16	1202.16
293	0	81	62	42	3037.79	254.87	674.25	41.33	9.64	757.78
294	0	79	44	52	2128.47	286.33	531.97	42.15	13.59	2573.18
295	1	80	44	45	3218.03	289.95	714.02	40.11	13.11	2414.47
296	0	74	46	53	2890.15	274.59	652.26	41.29	11.18	2488.67
297	0	77	52	45	3179.46	254.08	713.03	40.86	15.60	1172.95
298	0	71	52	50	2577.92	267.11	662.80	41.59	12.04	1263.36
299	0	80	55	50	2239.95	300.69	783.74	40.90	8.33	936.84
300	0	75	66	50	2729.80	258.76	707.54	41.94	17.74	2024.06
301	0	77	53	54	3137.01	276.89	638.34	41.24	18.03	2113.97
302	0	78	40	52	2620.38	266.27	782.90	42.75	12.81	1732.14
303	0	77	51	50	2932.63	271.93	774.95	40.53	13.86	2443.57
304	0	78	50	42	3128.68	290.48	743.34	40.81	21.35	1403.72
305	0	79	47	47	2783.05	257.84	668.75	40.92	12.75	3039.60
306	0	82	53	54	2565.38	273.04	661.32	41.01	15.13	1104.91
307	18	77	54	48	2978.06	283.48	655.01	41.27	12.81	1987.20
308	0	76	68	47	2805.67	247.56	712.89	41.19	17.08	2103.06
309	0	84	57	42	2548.45	263.85	665.08	40.76	10.57	1520.08
310	3	79	65	42	3456.09	275.69	692.06	41.73	15.33	1481.23
311	0	80	53	46	2449.80	254.43	627.85	40.52	7.63	2292.64
312	0	78	54	44	3057.28	259.73	644.95	41.67	16.76	2184.84
313	0	76	59	48	2881.86	242.97	684.37	40.82	13.47	1937.74

314	3	79	49	42	2951.13	294.71	713.07	42.19	11.62	1457.49
315	0	77	50	42	3221.29	262.29	778.21	41.73	14.99	1637.21
316	0	78	63	42	2202.80	286.63	792.36	41.48	11.31	975.00
317	0	77	55	49	2987.88	269.08	649.99	41.53	11.41	1865.75
318	3	81	60	46	3137.25	261.33	740.28	41.66	12.29	1723.38
319	0	78	64	47	2372.71	252.47	625.27	39.86	9.12	633.73
320	0	77	66	47	2785.18	264.75	663.37	41.27	14.16	1686.27
321	0	75	74	45	2624.85	250.95	671.67	41.70	15.37	1208.85
322	0	77	70	57	2870.87	264.73	637.73	41.23	14.64	1192.17
323	4	83	58	47	3037.55	280.52	724.33	40.98	13.29	1075.55
324	6	83	62	46	2757.58	284.13	718.53	39.90	11.59	1153.26
325	5	74	40	54	3228.61	298.99	643.26	40.40	10.96	2143.91
326	0	70	45	44	3807.68	269.30	797.03	40.91	10.83	1180.79
327	9	72	51	44	3063.29	261.89	676.97	40.65	12.66	2107.11
328	7	84	55	48	2837.36	264.24	630.89	40.54	10.29	587.63
329	0	77	59	57	2869.17	266.68	634.96	40.29	16.20	1545.01
330	0	83	40	50	2769.78	286.59	651.75	40.57	12.84	2363.94
331	15	80	60	44	2535.51	270.41	703.46	41.04	12.54	1352.62
332	0	82	55	43	3171.47	246.20	697.12	41.24	10.84	1643.66
333	13	83	52	45	2299.06	272.74	626.86	40.76	10.77	1468.86
334	0	74	61	49	2872.42	269.34	845.82	40.61	15.90	2579.48
335	0	81	55	51	3165.96	253.27	658.43	40.73	13.91	1583.24
336	0	80	41	52	2582.39	306.43	773.43	40.90	12.79	2500.84
337	0	78	63	47	2741.32	290.03	662.80	41.64	19.16	1698.96
338	6	83	58	47	2734.58	255.77	786.31	40.62	16.52	2595.08
339	15	76	57	48	2709.18	283.81	728.76	40.34	14.65	2181.51
340	0	74	55	46	2672.97	266.47	740.21	41.07	14.13	1326.48
341	5	83	61	54	2555.07	254.53	612.73	41.83	10.93	1313.89
342	0	75	48	46	2877.82	290.12	680.98	42.38	13.78	2009.25
343	0	76	64	50	2666.97	244.62	697.98	39.62	14.69	2518.26
344	0	79	45	40	2623.01	287.01	732.21	40.30	15.55	3068.10
345	5	78	58	48	2759.46	276.61	687.93	40.92	13.95	2751.01
346	0	71	63	50	3564.40	277.55	714.46	41.92	12.50	1689.77
347	0	71	52	52	3102.61	266.46	624.08	41.64	13.40	1572.22
348	0	78	38	45	3539.28	297.92	675.33	41.53	13.67	1867.71
349	0	78	47	54	2850.94	260.98	613.20	39.82	9.88	1722.02
350	0	78	65	50	3518.56	264.23	693.35	41.91	22.97	1462.10
351	0	79	43	49	2759.91	279.82	575.22	40.66	16.54	2662.99
352	0	79	36	43	3135.99	288.53	668.03	41.53	10.09	2020.72
353	0	79	49	43	2666.86	295.61	666.96	40.41	19.55	1681.23
354	0	75	51	46	2777.86	253.67	718.16	42.26	11.08	970.72
355	0	71	82	55	2777.43	249.51	642.17	40.89	16.24	981.50
356	1	76	56	45	3065.18	240.32	665.57	42.23	9.14	1497.35
357	0	75	68	48	2579.13	233.63	754.50	41.59	16.06	1314.83
358	0	75	58	42	3303.70	268.88	768.59	41.05	14.74	2994.78
359	15	84	40	50	3210.20	272.09	663.51	41.46	9.75	2700.89
360	0	81	58	49	3162.02	259.28	716.22	41.25	14.99	1498.64
361	0	82	62	48	2935.95	284.41	683.86	42.28	11.31	2004.66

Lampiran Data Simulasi Alternatif Kelima

i	Jumlah Pelanggan					Waktu Pelayanan					Lama M	
	Tidak Dilayani (Antrian Penuh)	CS Terlayani	Cashier Terlayani	Sales terlayani	Sales dan quick service Terlayani	CS	Cashier	Quick Service	Ambil Nomer	Sales	Ambil nomer	
	39	73	70	8	11	2471.69	270.01	375.94	40.30	1046.52	12.36	
	24	70	52	13	6	2795.05	280.85	378.55	40.89	993.23	15.60	
	33	68	35	10	8	2972.27	246.35	377.70	40.80	1029.96	14.78	
	0	68	65	9	6	2558.75	272.66	376.49	39.34	1012.22	11.04	
	47	59	50	11	7	3210.15	251.91	401.24	40.12	988.71	13.29	
	34	61	60	12	6	3084.35	278.07	387.32	40.47	1009.54	13.00	
	30	61	52	10	8	2167.26	262.30	374.92	40.23	990.33	10.16	
	42	68	49	13	14	3050.42	268.09	366.85	42.49	953.95	19.85	
	25	63	54	10	5	2948.44	276.56	380.05	42.30	944.86	12.74	
	50	64	51	10	7	2981.47	282.03	377.72	41.42	1055.02	13.83	
	26	62	54	13	7	2791.27	275.38	379.46	39.14	1023.13	9.79	
	22	66	52	10	5	2740.19	263.27	382.04	41.77	930.15	9.42	
	40	63	49	12	11	2973.73	280.85	372.44	41.38	1073.24	18.75	
	23	62	71	11	6	2675.43	280.40	403.31	41.22	947.07	19.63	
	38	66	42	10	7	2921.85	278.20	399.69	41.52	911.06	9.48	
	23	65	63	11	2	3030.05	259.39	387.79	41.45	991.93	13.82	
	32	63	55	10	8	2686.51	248.06	383.63	41.95	1065.07	18.75	
	15	65	46	11	6	2718.08	265.99	384.03	40.85	954.31	9.83	
	62	65	68	13	2	2812.57	236.35	405.77	40.62	1006.60	15.32	
	31	58	67	10	7	3451.46	282.70	382.26	41.17	1042.04	15.06	
	44	64	46	10	9	3027.19	295.71	384.02	41.21	992.43	13.24	
	26	61	66	7	10	3309.20	267.85	365.48	41.26	1087.38	12.47	
	37	63	60	10	3	2884.31	281.33	398.15	41.61	932.51	15.01	
	23	58	55	11	16	2873.13	279.66	357.82	41.56	1025.58	13.26	
	34	63	49	12	8	3411.27	289.43	363.76	41.40	922.92	14.19	
	26	68	65	9	11	2810.67	244.23	377.21	41.46	1044.11	14.17	
	42	59	59	8	11	3180.01	288.05	389.13	40.52	1005.38	15.33	
	53	59	50	11	9	3063.58	260.89	383.22	41.78	962.00	11.11	
	45	67	53	13	13	2722.18	278.14	367.02	41.71	975.80	15.94	
	71	61	50	15	5	3116.56	289.13	399.12	39.81	1042.73	16.47	
	17	62	55	8	6	2661.86	266.49	399.21	41.61	1036.57	12.34	
	50	65	46	17	7	2774.18	284.97	385.48	41.86	968.06	14.56	
	38	63	54	10	10	2888.20	286.47	398.56	41.43	1042.92	13.99	
	31	70	54	11	8	2559.30	262.96	381.39	42.01	994.89	13.47	
	41	64	41	11	7	3371.94	318.85	377.67	41.36	1063.05	11.28	
	39	69	69	11	3	2725.24	261.54	409.44	42.43	1039.58	9.90	
	37	69	54	14	9	2387.49	236.30	386.83	40.83	1023.33	11.40	
	55	59	53	13	7	2852.25	289.58	372.20	41.17	920.49	13.78	
	36	64	48	11	5	2691.74	287.58	402.88	41.29	991.88	12.43	
	45	64	59	14	11	2405.37	262.07	353.85	39.87	987.33	14.23	
	26	62	44	10	10	2546.73	269.99	350.19	41.43	945.85	14.39	
	25	65	48	12	6	2513.98	269.56	389.64	40.20	936.46	11.33	
	31	57	48	9	4	3053.32	280.02	418.61	42.02	1038.24	11.08	
	42	59	62	12	12	2928.98	252.08	392.57	42.39	982.12	17.51	
	29	66	63	7	7	3263.14	261.16	396.40	41.98	1059.88	9.72	
	44	61	48	11	6	3148.54	277.95	379.18	39.94	923.27	12.15	
	57	62	65	11	6	2918.16	268.61	378.96	41.53	1009.23	16.90	
	36	69	62	8	13	2721.85	277.26	383.83	41.87	925.37	19.72	
	49	60	52	9	6	3094.89	259.66	381.73	41.21	994.61	13.99	
	24	58	56	13	11	2896.13	257.58	356.07	40.81	1039.82	11.82	
	53	65	40	11	10	3222.89	297.03	375.46	41.18	1054.42	17.69	
	63	65	43	8	9	2820.33	266.88	383.07	41.06	996.63	13.12	
	32	61	54	13	6	2852.26	247.91	400.36	40.37	1020.20	13.73	
	25	66	62	12	14	2504.47	252.35	360.55	40.75	953.91	17.89	
	49	65	52	7	6	2013.83	249.39	377.88	41.94	1041.54	11.88	
	20	67	70	11	7	3259.73	276.33	395.95	41.28	990.55	12.88	
	21	60	69	12	9	2946.55	263.37	375.43	39.32	1009.81	11.29	

	4	63	65	12	7	2492.29	249.67	366.47	40.67	958.81	10.96	
	40	61	56	9	10	2702.23	258.95	393.52	40.22	1008.38	14.82	
	47	62	45	10	8	2740.36	275.82	376.77	41.44	1072.30	12.11	
	25	67	70	11	7	2838.57	235.69	382.98	41.32	893.94	12.16	
	9	64	64	11	9	2545.53	271.14	383.76	40.52	992.97	13.34	
	39	62	50	11	6	3120.20	284.44	404.62	41.75	926.72	10.90	
	54	65	58	10	7	2640.78	293.88	381.32	41.24	975.27	15.28	
	42	62	42	11	6	2810.48	272.60	403.87	41.57	988.67	13.63	
	45	64	41	16	14	2618.04	249.56	379.39	41.52	968.89	10.43	
	18	65	61	10	10	2622.20	241.38	380.05	41.68	989.73	12.60	
	22	67	59	9	11	2679.80	228.64	374.92	41.40	889.37	10.59	
	35	62	61	13	5	3056.65	247.79	326.34	42.93	992.55	16.00	
	22	62	65	12	7	2668.87	272.02	388.43	41.54	1033.46	11.05	
	48	59	54	9	7	3023.13	278.62	373.21	40.25	1015.72	10.82	
	48	63	52	12	7	3225.32	278.18	397.22	41.22	1015.47	13.22	
	33	62	56	11	12	3108.35	282.08	361.87	40.94	963.23	14.33	
	27	60	62	10	13	2637.95	253.27	369.97	40.95	1048.32	12.82	
	41	70	47	12	10	2653.61	291.85	371.45	41.18	991.76	13.09	
	33	61	59	12	5	2599.57	276.04	405.39	40.79	1013.40	11.73	
	31	64	45	9	10	3289.43	307.91	374.15	41.25	963.85	10.35	
	35	57	64	9	8	3183.18	251.52	399.75	40.70	1115.81	12.49	
	32	65	61	14	5	2562.60	269.61	390.26	41.87	993.40	11.00	
	15	65	67	12	10	2707.71	252.68	377.69	41.05	1070.76	9.39	
	29	62	66	11	4	2845.31	250.39	406.00	40.80	1060.02	10.90	
	30	64	62	10	6	2629.82	273.32	381.40	42.23	1026.87	13.25	
	60	55	58	12	7	3517.60	262.11	393.60	41.47	1005.61	15.00	
	43	60	50	13	3	2263.86	297.66	391.02	41.86	1016.36	13.72	
	43	63	49	12	11	3294.52	302.78	358.24	40.82	1023.67	14.01	
	32	63	52	16	9	2739.35	261.16	371.21	41.74	926.48	11.30	
	40	61	43	9	8	3026.28	284.11	375.77	41.22	1032.65	12.20	
	19	62	59	12	9	2561.59	272.64	377.46	41.52	982.12	12.71	
	47	64	56	13	6	3489.80	257.10	373.75	40.93	967.37	13.51	
	28	67	58	8	2	3144.81	258.81	379.94	40.81	996.05	11.57	
	31	60	53	10	7	3002.92	300.69	381.30	40.64	987.46	10.44	
	49	65	59	10	7	2808.77	272.10	380.68	42.01	987.70	11.36	
	42	61	47	10	13	3019.30	259.36	389.33	41.44	977.57	14.64	
	2	66	65	13	11	2677.55	274.51	391.22	42.34	973.01	11.58	
	44	64	57	10	11	3049.46	260.23	368.16	41.26	1010.79	16.36	
	37	65	58	11	8	3019.98	255.96	377.33	41.65	942.27	15.21	
	55	66	49	9	6	2174.12	266.12	397.08	40.08	1026.84	13.53	
	22	62	63	6	10	2561.85	249.62	354.74	42.08	935.91	12.40	
	48	62	60	11	9	3057.77	280.83	379.41	41.33	956.73	12.70	
	41	59	63	13	11	3105.14	233.34	367.79	42.33	942.87	24.35	
	59	62	51	14	6	2506.66	255.26	393.20	41.29	942.21	15.45	
	52	62	51	14	4	3023.50	270.27	392.10	40.37	999.57	12.85	
	0	63	79	11	12	3025.96	248.39	351.34	40.02	994.96	14.63	
	26	61	57	8	4	2685.64	246.12	391.57	40.00	1035.26	9.91	
	27	66	61	16	6	2447.76	237.61	391.31	40.61	960.55	12.37	
	42	56	51	7	5	3370.30	293.85	401.32	40.54	1027.09	12.36	
	14	62	60	9	3	2980.23	284.28	403.76	40.40	1018.33	8.07	
	33	58	57	11	6	3098.35	248.38	383.23	39.86	966.22	9.76	
	48	61	64	11	6	3244.96	241.89	368.63	41.67	1008.18	14.98	
	31	58	45	11	12	2744.50	295.49	343.39	41.28	1025.24	16.75	
	22	63	69	14	9	3203.62	252.22	379.76	40.40	963.60	16.52	
	54	58	64	9	5	2619.80	268.62	395.37	42.30	1036.74	13.87	
	45	62	40	9	8	2774.90	271.84	375.61	40.59	1091.56	10.29	
	40	62	67	13	8	3405.19	253.12	373.17	41.70	939.30	16.48	
	20	59	50	11	4	3320.01	267.67	387.24	42.39	985.72	10.49	
	36	59	59	9	9	2811.05	278.11	358.20	40.81	1015.51	10.32	
	27	67	80	9	7	2979.29	266.11	387.46	42.33	1106.74	12.01	
	32	65	47	13	6	2870.66	253.23	407.56	41.85	1043.77	12.31	
	47	59	63	9	7	3297.68	252.34	396.13	40.33	1007.47	13.91	
	34	66	48	13	5	3044.89	248.23	404.82	40.54	1022.85	11.01	
	22	59	53	7	9	3221.95	281.47	362.85	42.51	1032.25	10.00	

	33	59	45	8	7	3210.27	282.52	397.64	41.51	1010.02	11.72	
	33	64	58	11	4	2492.75	266.33	410.40	41.12	975.03	10.25	
	49	67	63	10	11	2495.41	264.77	370.40	42.16	921.63	22.95	
	15	66	68	8	8	3468.31	218.69	382.49	40.81	934.32	10.59	
	15	63	60	10	9	3520.58	252.84	368.45	41.15	993.15	10.26	
	61	64	56	12	8	2489.38	247.28	369.28	41.33	946.16	17.44	
	33	63	49	9	6	2673.66	253.45	395.52	41.58	1015.58	14.07	
	15	63	61	12	13	2650.60	262.09	363.18	40.12	997.93	10.65	
	33	66	56	13	6	2634.37	289.27	391.40	41.03	1009.47	10.64	
	32	56	61	10	9	2599.60	258.76	382.17	41.49	991.84	14.67	
	45	58	52	10	11	2797.14	250.54	370.38	42.46	1036.66	16.48	
	19	65	63	10	8	3648.19	261.25	388.48	41.17	974.71	19.38	
	40	65	47	9	8	2682.20	289.25	368.44	40.69	1008.92	9.26	
	33	63	58	11	4	3177.45	271.90	386.44	41.02	977.04	11.79	
	64	61	51	10	3	3056.04	253.67	407.27	40.61	1072.82	12.71	
	25	64	48	10	9	3603.87	275.17	395.10	40.23	1021.23	9.58	
	53	67	54	13	16	2794.09	259.53	353.37	41.90	955.41	13.57	
	14	64	54	12	7	3033.58	257.40	386.83	40.70	918.04	12.00	
	27	65	58	13	8	3353.72	262.44	366.69	41.81	953.93	14.86	
	0	65	72	8	9	3084.83	264.97	399.91	41.45	1019.14	10.52	
	19	59	52	10	7	3394.66	290.71	380.09	41.62	939.81	15.63	
	39	62	53	9	10	2817.22	275.78	369.06	41.39	1061.38	14.33	
	31	63	61	15	12	2535.65	250.32	357.33	42.40	908.33	16.33	
	41	63	57	10	10	2423.31	269.41	356.34	41.33	952.23	12.56	
	35	60	61	11	9	3363.25	278.24	374.14	40.59	1051.44	9.32	
	56	62	47	12	7	2601.31	252.98	401.98	41.54	1063.90	12.55	
	41	62	43	11	11	3016.56	288.17	351.64	41.07	1005.72	14.36	
	62	67	65	13	13	2245.81	272.95	338.28	40.73	937.78	20.01	
	43	57	56	13	6	3001.49	282.02	393.92	41.14	963.37	14.52	
	54	62	66	12	10	2667.27	259.18	357.88	41.54	917.56	19.94	
	51	65	50	9	12	2691.68	295.06	373.66	41.34	1005.33	13.53	
	12	68	57	5	3	2412.22	255.62	407.35	39.57	1029.04	10.61	
	22	72	62	12	10	3137.39	260.92	375.29	41.61	1017.81	9.30	
	50	59	60	8	10	2622.04	281.38	365.46	40.37	915.03	14.31	
	12	64	64	9	3	3265.00	239.15	415.17	41.26	921.60	13.87	
	31	60	56	11	6	3083.83	273.52	400.68	40.74	1069.37	11.53	
	54	62	42	11	10	3592.16	268.78	365.05	39.85	1006.87	12.42	
	8	56	53	9	5	3233.31	289.20	395.17	40.37	1059.41	7.67	
	29	65	47	13	5	2704.81	255.65	400.85	41.07	966.48	14.28	
	30	61	50	9	9	2348.60	270.30	390.70	40.00	954.09	11.32	
	33	66	59	12	10	2443.95	251.86	348.44	41.49	953.25	15.27	
	12	63	59	10	6	2624.99	260.51	390.07	40.46	1034.66	13.67	
	27	67	67	8	4	2915.65	254.06	401.22	40.87	961.97	12.80	
	29	65	62	12	8	3154.17	262.34	377.25	40.32	969.18	11.60	
	51	63	45	12	9	2919.60	270.41	376.77	40.88	1008.51	12.50	
	51	63	59	13	11	3075.26	272.68	376.88	41.02	982.03	10.03	
	45	71	49	12	11	2809.08	294.58	366.55	42.56	1043.89	18.25	
	39	63	66	8	4	2776.76	275.29	410.82	40.80	999.26	11.00	
	43	62	52	9	6	2846.47	265.42	384.81	41.27	1021.61	14.12	
	16	62	49	12	7	2735.90	250.45	395.30	41.59	965.72	12.11	
	38	61	61	10	7	2883.72	285.82	388.83	41.97	930.81	13.64	
	49	60	56	14	12	2689.67	257.94	374.11	40.57	981.95	18.18	
	22	62	57	12	12	2587.26	277.67	362.50	41.13	958.31	17.52	
	34	62	48	12	10	2808.35	267.19	397.09	40.23	977.34	12.85	
	52	61	54	12	12	2510.39	272.39	376.34	41.27	975.66	12.66	
	42	61	51	13	7	2857.45	265.85	376.49	39.93	976.90	11.06	
	50	69	54	10	7	2886.96	265.29	359.55	41.19	957.88	12.30	
	45	61	58	11	9	2445.10	282.31	386.98	41.68	953.36	14.29	
	49	64	49	10	3	2869.78	277.84	410.60	40.66	949.62	10.95	
	40	59	60	10	13	2872.98	262.61	371.39	40.58	1023.28	20.26	
	31	70	56	5	10	2533.36	250.93	377.94	40.99	933.62	14.90	
	22	64	46	11	9	2269.10	269.73	370.91	41.73	976.40	15.63	
	54	57	59	13	10	3976.43	264.98	388.07	41.15	1054.15	13.89	
	36	68	59	11	12	2577.91	281.10	383.86	40.91	992.77	14.09	

	14	66	59	9	7	2390.77	269.48	394.32	40.39	1016.85	14.39	
	39	59	50	9	11	3048.01	257.46	374.84	39.35	951.10	12.84	
	7	64	69	12	6	2700.23	247.22	384.56	41.93	1031.38	11.27	
	40	61	45	11	10	2671.42	266.35	395.40	40.90	1023.26	12.63	
	35	61	54	9	9	2582.53	263.54	373.13	40.55	920.64	12.76	
	23	64	51	8	9	2708.39	264.46	398.85	40.26	904.00	8.04	
	22	65	51	11	11	2542.87	293.25	365.71	40.96	960.04	12.42	
	37	62	64	7	8	4005.21	257.10	399.30	42.51	916.57	12.31	
	61	59	46	12	7	3471.04	265.39	404.43	40.96	1004.94	17.01	
	34	60	61	14	8	3267.52	253.99	392.91	42.23	988.40	16.61	
	38	59	59	15	8	2642.38	215.28	399.11	41.89	1021.85	16.90	
	35	67	49	9	5	3101.30	255.45	393.21	40.53	943.65	8.96	
	45	65	39	10	7	2980.13	265.45	402.39	41.07	956.03	10.73	
	33	55	54	12	10	3174.27	264.65	369.32	40.13	956.45	11.06	
	26	61	66	9	8	2981.58	279.90	372.74	41.08	912.78	11.34	
	3	62	72	10	10	2483.03	261.63	372.75	40.84	990.54	10.81	
	9	62	54	11	12	2763.05	262.02	377.97	40.78	1001.01	10.07	
	20	57	53	11	7	2676.17	257.19	371.23	40.85	961.43	9.52	
	36	60	56	10	11	3324.67	265.36	360.70	41.03	986.46	16.23	
	46	67	53	9	7	2804.92	292.53	393.75	41.48	1000.65	18.27	
	45	69	48	11	14	2600.75	271.85	340.08	40.61	981.50	14.01	
	40	64	55	14	13	3192.51	279.32	357.98	40.62	930.07	12.46	
	43	61	50	12	7	2313.47	268.80	399.55	41.40	1025.35	12.75	
	52	61	46	10	7	3085.85	266.20	400.01	41.79	1031.23	14.77	
	35	63	61	13	7	2929.03	285.16	383.11	42.46	941.48	18.91	
	36	58	64	7	7	3112.79	244.54	377.14	40.79	967.46	12.61	
	35	61	59	6	10	2612.25	278.26	378.87	39.92	957.97	12.61	
	50	59	60	14	7	3021.65	255.23	387.17	40.90	1023.84	15.65	
	29	65	47	9	3	2664.50	270.06	382.57	40.56	1059.22	13.37	
	70	61	59	12	8	3032.58	256.48	398.09	41.05	1041.91	16.71	
	28	62	61	4	6	2680.02	260.81	393.65	39.76	1092.00	8.96	
	62	60	55	9	13	3138.52	263.72	374.82	41.03	948.54	12.84	
	42	67	56	10	10	2434.54	245.19	349.58	41.38	941.89	15.35	
	36	55	55	9	10	3169.27	283.52	388.77	40.74	955.78	15.00	
	42	59	60	10	7	3099.73	256.11	400.21	41.30	970.72	14.62	
	30	66	68	13	5	2819.61	276.73	395.75	40.74	996.67	13.29	
	40	64	46	10	9	2895.91	312.55	366.70	41.14	1040.52	13.12	
	27	63	53	13	10	2404.32	242.37	382.96	40.64	999.69	10.56	
	33	61	62	11	5	3199.13	261.70	392.64	41.08	995.06	11.81	
	17	59	54	13	11	2614.85	249.29	386.10	41.04	1037.26	9.92	
	35	61	54	12	10	2918.98	307.64	382.12	39.46	1036.03	10.17	
	28	66	62	15	8	3024.23	271.38	388.64	41.36	992.31	9.29	
	44	62	59	9	9	3228.65	297.02	385.23	40.87	992.70	15.78	
	31	61	67	9	14	2874.94	250.96	366.86	41.09	988.69	9.76	
	55	61	44	11	8	3000.12	271.70	374.57	41.53	982.93	11.97	
	45	63	52	13	6	2835.72	251.94	389.29	41.33	984.72	17.66	
	53	59	57	6	8	2835.15	266.96	368.87	40.72	986.91	13.97	
	62	60	52	12	5	2841.20	263.65	406.65	39.83	1002.61	12.65	
	23	63	54	13	8	3541.65	247.29	393.07	40.67	965.70	11.63	
	26	67	51	13	10	2494.67	278.37	338.71	41.18	1022.43	10.94	
	35	65	64	11	9	2949.94	257.36	375.89	41.94	958.56	14.92	
	32	70	59	13	13	2894.17	274.91	363.66	40.90	992.82	12.68	
	68	64	49	12	10	2517.54	275.34	381.71	40.78	946.38	16.01	
	68	60	54	9	6	2857.31	261.97	395.20	41.27	1032.92	15.81	
	48	64	62	13	10	2864.43	243.58	377.83	40.52	972.91	16.49	
	13	71	46	10	7	2360.58	246.03	398.80	40.94	1074.53	7.23	
	33	59	62	7	8	2725.25	240.66	388.11	42.30	976.26	12.02	
	26	61	62	12	7	2916.66	298.35	386.98	40.59	1054.23	10.23	
	49	58	50	13	7	3048.85	298.19	397.36	41.18	1003.43	14.98	
	24	66	68	10	9	2701.22	278.65	378.97	40.53	1009.64	10.10	
	22	65	46	13	14	3088.32	317.51	358.58	41.15	939.44	9.45	
	37	67	63	13	10	2695.75	248.42	390.65	41.07	1014.52	17.07	
	29	57	52	8	12	3035.81	280.91	363.55	39.46	1109.11	9.11	
	45	61	38	9	7	3243.04	283.01	391.30	41.43	1045.54	9.81	

	45	65	60	11	7	3179.81	269.35	390.78	41.00	989.53	18.90	
	29	62	65	10	10	3150.17	272.07	381.49	41.84	956.51	12.83	
	3	61	68	11	17	2846.43	253.71	360.30	41.60	1005.99	15.22	
	45	64	48	11	14	2520.42	303.54	355.38	41.13	1009.86	13.95	
	48	60	57	11	4	3125.44	282.95	406.82	41.15	960.46	16.01	
	22	64	50	11	8	2533.14	276.12	395.74	41.27	1034.68	9.79	
	39	66	57	13	7	2416.32	278.67	398.63	40.69	982.86	13.02	
	37	61	57	14	14	2738.45	282.04	340.51	40.26	995.23	12.67	
	50	59	59	15	11	2734.56	295.96	359.38	41.18	969.04	14.31	
	72	63	52	12	12	3018.61	273.80	361.89	41.33	1032.69	20.06	
	20	62	65	12	10	2611.52	260.92	387.87	41.11	950.07	12.59	
	47	65	40	14	6	2418.83	266.41	387.40	41.24	946.38	13.39	
	26	61	59	10	11	2688.30	257.76	344.49	39.74	988.74	12.82	
	16	57	59	11	9	3322.83	223.37	396.96	40.80	1031.46	12.76	
	39	60	52	13	9	2681.05	260.72	392.55	41.79	985.73	13.39	
	17	65	54	8	8	3444.40	265.67	385.12	41.25	979.15	11.89	
	42	66	44	12	6	2896.46	261.18	397.14	41.40	995.38	11.36	
	19	65	66	12	5	2652.15	280.56	373.26	40.86	940.49	12.97	
	36	64	71	11	8	2901.55	280.75	389.38	41.28	1064.92	12.53	
	53	69	54	11	5	3048.49	257.87	394.91	42.20	1009.88	13.27	
	48	60	44	12	9	2546.01	280.91	388.69	41.17	1032.72	14.03	
	41	63	56	11	5	2439.01	257.63	383.44	39.97	1000.33	12.71	
	38	56	53	13	7	3091.43	270.68	383.90	41.79	1010.69	10.77	
	24	65	69	8	8	2627.10	259.84	390.92	41.11	1017.40	11.32	
	34	62	54	5	6	2467.18	237.00	395.51	42.27	956.60	15.49	
	49	59	46	11	7	2985.36	272.60	386.94	42.52	1020.39	18.28	
	63	59	63	12	10	3012.98	260.91	376.38	39.89	970.97	13.91	
	39	65	57	7	12	2586.95	288.91	360.87	40.10	1043.96	11.53	
	11	68	66	9	9	2108.22	232.43	401.21	41.53	1035.98	12.06	
	31	62	52	11	7	2431.92	244.73	398.84	40.55	968.42	8.56	
	13	65	44	13	7	2599.86	262.90	408.38	41.41	1016.44	12.62	
	38	65	51	12	8	2829.95	276.65	393.34	40.12	948.88	12.87	
	36	59	42	4	6	2392.39	284.03	378.75	41.88	946.76	15.06	
	34	58	62	14	9	3119.21	274.77	390.68	41.93	1018.20	13.66	
	17	60	64	11	7	3111.90	279.64	380.75	39.88	970.61	10.66	
	47	63	50	14	4	2819.53	273.51	376.41	41.07	932.12	11.15	
	47	66	55	11	10	2857.10	284.27	377.35	40.77	911.17	9.77	
	49	58	58	14	6	2612.07	244.12	389.53	41.15	1027.92	12.31	
	51	66	59	12	6	2899.58	267.49	395.92	41.50	1006.85	19.50	
	33	68	54	8	6	3058.30	257.67	403.47	40.35	1071.26	15.82	
	28	67	56	11	10	2621.77	262.27	372.04	41.25	1013.61	13.87	
	24	68	64	10	7	2472.04	245.39	386.33	41.67	991.35	17.59	
	43	62	61	11	11	2912.98	262.60	382.48	41.24	1001.04	14.66	
	58	62	51	10	4	2756.44	268.74	385.37	39.59	997.34	15.10	
	16	68	61	9	7	2596.07	249.29	388.44	41.01	989.46	10.14	
	76	64	47	9	10	2827.09	277.66	395.28	41.89	981.60	20.56	
	24	72	64	13	9	2865.16	261.22	379.15	40.65	996.99	12.21	
	33	68	61	8	9	3022.26	262.64	374.87	40.07	1045.59	13.58	
	34	66	56	10	5	2401.77	257.45	385.86	42.03	1030.29	10.56	
	57	61	47	11	8	2747.88	242.77	400.31	41.23	981.49	15.84	
	39	64	47	12	10	2535.52	280.60	366.85	41.93	953.41	12.56	
	40	68	50	15	10	2846.84	273.54	396.28	41.00	1021.55	13.43	
	38	62	54	6	12	2974.52	266.15	374.30	41.72	822.48	11.62	
	41	60	53	8	5	3641.61	251.70	399.30	42.04	1043.84	13.92	
	53	61	60	11	11	3001.34	275.16	370.60	40.67	970.73	18.06	
	28	65	56	11	6	2851.60	273.64	374.05	40.83	1115.86	9.90	
	55	61	46	8	8	2832.02	298.66	372.31	40.79	910.83	13.59	
	45	67	46	10	6	2756.72	261.11	386.03	41.99	965.82	15.63	
	37	66	73	12	5	2031.22	234.00	374.31	40.70	1010.18	12.39	
	30	61	52	11	8	3445.45	280.80	395.72	41.25	958.56	14.95	
	73	64	54	11	7	2761.19	275.70	389.50	41.23	1009.65	20.58	
	42	60	47	11	8	2879.91	250.18	372.10	41.38	1090.09	12.00	
	35	65	53	12	6	2523.51	281.27	392.50	41.04	1000.89	11.55	
	30	61	52	11	11	3059.55	271.48	366.90	40.38	1064.81	11.80	

	34	62	57	11	9	3186.56	273.70	366.15	40.95	1011.18	10.97	
	30	63	51	9	11	2648.11	259.21	351.23	41.15	1020.68	8.58	
	24	59	63	7	6	3175.88	252.12	381.84	41.37	946.51	18.73	
	20	68	62	10	8	2380.54	238.81	366.55	42.22	1008.81	14.42	
	47	65	59	14	8	2756.77	257.80	384.72	40.68	989.76	11.41	
	21	61	69	12	5	2833.54	281.22	365.20	40.65	959.05	12.33	
	47	62	52	8	9	3021.16	276.67	393.25	40.93	1034.59	16.80	
	29	67	53	11	6	2923.42	285.47	381.15	40.50	927.40	12.05	
	42	67	63	10	9	2693.27	261.68	358.30	41.09	988.41	22.27	
	21	66	62	9	9	3053.28	301.81	371.85	40.62	1045.50	11.52	
	37	57	57	13	7	2769.36	275.68	368.18	40.69	971.05	16.75	
	12	60	49	10	5	2604.06	264.16	401.42	41.19	1046.44	8.18	
	17	67	47	9	9	2861.58	263.29	368.11	40.76	1050.74	11.86	
	28	62	59	11	5	3195.36	271.10	401.96	40.38	1031.97	8.17	
	41	61	60	11	10	3029.30	257.25	390.00	41.02	976.79	11.86	
	23	64	62	12	10	2534.56	270.47	386.77	42.01	1008.13	14.79	
	33	60	59	13	5	3280.57	252.80	393.99	40.47	982.68	11.15	
	20	58	62	10	8	3593.00	258.82	382.56	40.71	945.75	14.71	
	70	62	56	11	5	2776.48	260.04	408.25	40.18	1062.74	15.27	
	21	69	57	11	9	2202.32	272.39	386.16	41.23	973.54	11.25	
	34	65	56	9	8	2773.80	264.73	376.47	40.98	987.01	15.38	
	30	57	46	15	13	2756.25	269.79	389.07	41.63	1031.72	13.51	
	39	66	50	10	8	2525.35	284.24	389.74	41.86	918.82	11.57	
	49	60	57	11	9	3269.15	265.35	370.66	41.01	994.55	10.16	
	47	55	45	11	3	2576.34	262.84	396.37	41.08	1006.11	9.20	
	38	65	38	11	7	3038.97	297.00	388.04	40.85	979.88	15.33	
	28	64	57	11	7	2418.12	285.59	390.90	40.31	1008.21	11.36	
	38	62	67	11	8	2952.16	259.46	369.66	40.71	939.42	13.04	
	17	63	54	7	12	3324.89	241.19	372.05	40.70	980.43	11.67	
	39	64	58	11	8	2915.90	249.22	389.65	41.68	1003.46	11.56	
	26	60	58	6	11	2715.57	249.02	366.35	41.43	1027.58	12.94	
	39	60	55	13	6	2569.14	279.72	383.17	40.31	975.55	16.36	
	0	66	60	12	10	2713.29	256.66	356.01	40.34	968.40	11.49	
	34	66	77	11	11	2619.54	244.89	383.40	40.79	997.84	20.11	
	57	65	44	13	9	2362.38	247.27	370.51	40.18	977.06	9.81	
	32	63	65	13	4	2379.84	271.96	391.23	41.53	983.08	10.37	
	56	65	61	11	4	3020.42	283.05	388.76	41.20	945.64	13.52	
	56	59	49	8	10	2704.88	261.97	380.68	40.76	937.10	18.32	
	21	70	45	9	3	2012.99	291.28	408.24	41.38	961.80	10.93	
	14	65	63	9	11	2939.19	277.72	363.19	41.62	1025.80	11.47	
	32	66	51	7	8	2464.77	277.29	393.21	40.29	985.34	10.86	
	45	64	49	10	3	2389.06	261.10	416.09	40.95	1018.10	14.06	
	25	61	55	12	7	2788.78	251.93	390.31	41.16	1005.34	10.23	
	48	59	57	14	17	2386.15	257.35	358.56	41.37	998.25	15.25	
	38	60	58	10	10	3051.62	270.72	392.53	41.39	986.78	12.58	
	31	61	54	13	11	2810.00	259.69	384.97	41.19	1031.59	12.70	
	37	66	67	13	10	2169.30	248.34	395.30	41.85	914.06	17.89	
	18	65	66	11	9	2734.73	267.45	363.57	41.45	1020.76	10.42	