

DAFTAR PUSTAKA

- Al-adawiyah, S. H., Alisah, E. dan Aziz, A. (2022). Perbandingan Tingkat Akurasi Metode Average Based Fuzzy Time Series Markov Chain dan Algoritma Novel Fuzzy Time Series. *Jurnal Riset Mahasiswa Matematika*, 1(3), 129-142.
- Alyousifi, A., Othman, M., Faye, I., Sokkalingam, R., dan Silva, P. C. L. (2020). Markov Weighted Fuzzy Time-Series Model Based on an Optimum Partition Method for Forecasting Air Pollution. *International Journal of Fuzzy Systems*, 22(5), 1468-1486.
- Amelia, R. R. dan Fitri, F. (2022). Peramalan Kurs Rupiah Terhadap Dolar Amerika Menggunakan Jaringan Saraf Tiruan. *Journal of Mathematics UNP*, 7(3), 1-10.
- Andayani, S. (2015). Eksploitasi Variabel Linguistik Fuzzy dalam Asesmen Pembelajaran. *Seminar Nasional Matematika dan Pendidikan Matematika UNY*, 423-430.
- Ardella, S., Purnamasari, I. dan Amijaya, F. D. T. (2021). Penerapan Metode *Fuzzy Time Series* Saxena Easo Pada Data Runtun Waktu (Studi Kasus: Nilai Impor Nonmigas di Provinsi Kalimantan Timur dari Bulan Januari 2019 hingga Bulan Februari 2021). *Prosiding Seminar Nasional Statistika X*, 10, 124-135.
- Hidayah, D. Y. dan Sugiman. (2021). Peramalan Nilai Tukar Rupiah terhadap Dollar Amerika dengan Metode *Fuzzy Time Series (FTS) Markov Chain*. *UNNES Journal of Mathematics*, 10(2), 85-95.
- Hidayat, E. N. dan Gernowo, R. (2015). Implementasi *Fuzzy* Model Tahani Untuk Perancangan Sistem Pendukung Keputusan Penerimaan Taruna Baru. *Jurnal Sistem Informasi Bisnis*, 5(1), 63-71.
- Hidayati, I. N., Haris, M. A. dan Utami, T. W. (2022). Metode *Average Based Fuzzy Time Series Markov Chain* pada Data Laju Inflasi di Indonesia. *Prosiding Seminar Nasional UNIMUS*, 5(1), 580-597.
- Irawan, M. D. dan Herviana. (2018). Implementasi Logika *Fuzzy* Dalam Menentukan Jurusan Bagi Siswa Baru Sekolah Menengah Kejuruan (SMK) Negeri 1 Air Putih. *Jurnal Teknologi Informasi*, 2(2), 129-137.
- Jamila, A. U., Siregar, B. M. dan Yunis, R. (2021). Analisis Runtun Waktu Untuk Memprediksi Jumlah Mahasiswa Baru Dengan Model Arima. *Paradigma*, 23(1), 85-92.
- Ramadhani, L. C., Anggraeni, D. dan Kamsyakawuni, A. (2019). *Fuzzy Time Series* Saxena-Easo Pada Peramalan Laju Inflasi Indonesia. *Jurnal ILMU DASAR*, 20(1), 53-60.
- Safitri, Y. R. (2022). Comparison of Fuzzy Time Series Markov Chain and Average Based Fuzzy Time Series Markov Chain in Forecasting Composite Stock Price Index. *Jurnal Riset dan Aplikasi Matematika*, 6(2), 193-203.

- Sinaga, S. J., Mustafid dan Sugito. (2017). Penerapan Grafik Kendali Jumlah Kumulatif Untuk Mendeteksi Pegerakan Kurs Mata Uang. *Jurnal Gaussian*, 6(4), 480-489.
- Sudarismiati, A. dan Sari, M. T. (2016). Analisis Peramalan Penjualan Untuk Menentukan Rencana Produksi Pada UD Rifa'i. *Jurnal Ekonomi dan Bisnis GROWTH*, 14(2), 17-30.
- Sugiyanto dan Hapsari, R. K. (2016). Implementasi Metode *Triple Exponential Smoothing* dalam Peramalan Penjualan Pulsa Elektrik. *SCAN Jurnal Teknologi Informasi*, 11(1), 81-88.
- Udin, A.C. dan Jatipaningrum, M.T. (2020). Peramalan Inflasi di Indonesia Menggunakan Metode *Fuzzy Time Series Based Average* dan *Fuzzy Time Series Saxena Easo*. *Jurnal Statistika Industri dan Komputasi*, 5(2), 1-10.
- Yunita. (2016). Penerapan Logika *Fuzzy* Dalam Sistem Pendukung Keputusan Pemberian Beasiswa BSM. *Jurnal Techno Nusa Mandiri*, 8(1), 42-49.

LAMPIRAN

Lampiran 1 Data Aktual Kurs Jual untuk Data *Training*

No	Tanggal	Data Aktual (Rp)	No	Tanggal	Data Aktual (Rp)
1	26/04/23	14929.27	32	14/06/23	14942.34
2	27/04/23	14956.41	33	15/06/23	14969.48
3	28/04/23	14824.75	34	16/06/23	15017.72
4	02/05/23	14734.31	35	19/06/23	15019.73
5	03/05/23	14776.51	36	20/06/23	15068.97
6	04/05/23	14779.53	37	21/06/23	15115.2
7	05/05/23	14705.16	38	22/06/23	15056.91
8	08/05/23	14747.37	39	23/06/23	14992.59
9	09/05/23	14782.55	40	26/06/23	15072.99
10	10/05/23	14830.78	41	27/06/23	15101.13
11	11/05/23	14819.73	42	03/07/23	15075
12	12/05/23	14795.61	43	04/07/23	15109.17
13	15/05/23	14825.76	44	05/07/23	15093.09
14	16/05/23	14886.06	45	06/07/23	15088.07
15	17/05/23	14884.05	46	07/07/23	15137.31
16	19/05/23	14949.38	47	10/07/23	15211.68
17	22/05/23	15010.68	48	11/07/23	15267.96
18	23/05/23	14971.49	49	12/07/23	15237.81
19	24/05/23	14952.39	50	13/07/23	15159.42
20	25/05/23	14979.52	51	14/07/23	15052.89
21	26/05/23	15026.76	52	17/07/23	15019.73
22	29/05/23	15033.8	53	18/07/23	15082.03
23	30/05/23	15047.86	54	20/07/23	15068.97
24	31/05/23	15043.84	55	21/07/23	15065.95
25	05/06/23	15078.01	56	24/07/23	15101.13
26	06/06/23	14962.44	57	25/07/23	15103.14
27	07/06/23	14913.19	58	26/07/23	15082.03
28	08/06/23	14949.38	59	27/07/23	15107.16
29	09/06/23	14977.51	60	28/07/23	15078.01
30	12/06/23	14927.26	61	31/07/23	15158.42
31	13/06/23	14948.37	62	01/08/23	15167.46

Lanjutan Lampiran 1

No	Tanggal	Data Aktual (Rp)	No	Tanggal	Data Aktual (Rp)
63	02/08/23	15192.58	96	19/09/23	15449.86
64	03/08/23	15246.85	97	20/09/23	15457.91
65	04/08/23	15273.99	98	21/09/23	15472.98
66	07/08/23	15243.84	99	22/09/23	15473.99
67	08/08/23	15253.89	100	25/09/23	15459.92
68	09/08/23	15305.15	101	26/09/23	15476
69	10/08/23	15282.03	102	27/09/23	15541.32
70	11/08/23	15280.02	103	29/09/23	15603.63
71	14/08/23	15301.13	104	02/10/23	15564.43
72	15/08/23	15399.61	105	03/10/23	15596.59
73	16/08/23	15422.73	106	04/10/23	15678
74	18/08/23	15384.54	107	05/10/23	15714.18
75	21/08/23	15384.54	108	06/10/23	15679
76	22/08/23	15405.65	109	09/10/23	15706.14
77	23/08/23	15402.63	110	10/10/23	15753.38
78	24/08/23	15395.59	111	11/10/23	15786.54
79	25/08/23	15329.26	112	12/10/23	15788.55
80	28/08/23	15373.49	113	13/10/23	15780.51
81	29/08/23	15370.47	114	16/10/23	15787.55
82	30/08/23	15339.32	115	17/10/23	15794.58
83	31/08/23	15315.19	116	18/10/23	15796.59
84	01/09/23	15313.18	117	19/10/23	15809.66
85	04/09/23	15328.26	118	20/10/23	15917.19
86	05/09/23	15323.24	119	23/10/23	15935.28
87	06/09/23	15336.3	120	24/10/23	16022.72
88	07/09/23	15383.53	121	25/10/23	15948.34
89	08/09/23	15410.67	122	26/10/23	15950.35
90	11/09/23	15417.7	123	27/10/23	16012.67
91	12/09/23	15428.76	124	30/10/23	16020.7
92	13/09/23	15420.72	125	31/10/23	15995.58
93	14/09/23	15443.83	126	01/11/23	15976.49
94	15/09/23	15433.78	127	02/11/23	16025.73
95	18/09/23	15443.83	128	03/11/23	15940.31

Lanjutan Lampiran 1

No	Tanggal	Data Aktual (Rp)	No	Tanggal	Data Aktual (Rp)
129	06/11/23	15849.85	149	04/12/23	15601.62
130	07/11/23	15627.75	150	05/12/23	15523.23
131	08/11/23	15670.97	151	06/12/23	15581.52
132	09/11/23	15707.15	152	07/12/23	15581.52
133	10/11/23	15727.25	153	08/12/23	15613.68
134	13/11/23	15771.47	154	11/12/23	15577.5
135	14/11/23	15791.57	155	12/12/23	15692.07
136	15/11/23	15777.5	156	13/12/23	15709.16
137	16/11/23	15580.51	157	14/12/23	15707.15
138	17/11/23	15672.98	158	15/12/23	15570.47
139	20/11/23	15581.52	159	18/12/23	15580.51
140	21/11/23	15496.09	160	19/12/23	15593.58
141	22/11/23	15513.18	161	20/12/23	15583.53
142	23/11/23	15661.92	162	21/12/23	15589.56
143	24/11/23	15670.97	163	22/12/23	15610.67
144	27/11/23	15664.93	164	27/12/23	15566.44
145	28/11/23	15604.64	165	28/12/23	15491.07
146	29/11/23	15527.25	166	29/12/23	15493.08
147	30/11/23	15460.92	167	02/01/24	15516.19
148	01/12/23	15561.42			

Lampiran 2 Data Aktual Kurs Jual untuk Data *Testing*

No	Tanggal	Data Aktual (Rp)	No	Tanggal	Data Aktual (Rp)
1	03/01/24	15550.36	34	22/02/24	15736.29
2	04/01/24	15572.48	35	23/02/24	15708.15
3	05/01/24	15602.63	36	26/02/24	15666.94
4	08/01/24	15595.59	37	27/02/24	15713.17
5	09/01/24	15599.61	38	28/02/24	15733.27
6	10/01/24	15595.59	39	29/02/24	15751.36
7	11/01/24	15645.84	40	01/03/24	15793.58
8	12/01/24	15635.79	41	04/03/24	15774.48
9	15/01/24	15636.8	42	05/03/24	15801.61
10	16/01/24	15632.77	43	06/03/24	15834.78
11	17/01/24	15669.96	44	07/03/24	15801.61
12	18/01/24	15717.19	45	08/03/24	15736.29
13	19/01/24	15708.15	46	13/03/24	15681.01
14	22/01/24	15706.14	47	14/03/24	15653.88
15	23/01/24	15705.14	48	15/03/24	15659.91
16	24/01/24	15734.28	49	18/03/24	15702.12
17	25/01/24	15797.59	50	19/03/24	15750.36
18	26/01/24	15845.83	51	20/03/24	15790.56
19	29/01/24	15908.15	52	21/03/24	15805.64
20	30/01/24	15904.13	53	22/03/24	15740.31
21	31/01/24	15874.98	54	25/03/24	15851.86
22	01/02/24	15882.01	55	26/03/24	15873.98
23	02/02/24	15853.88	56	27/03/24	15875.99
24	05/02/24	15766.44	57	28/03/24	15932.26
25	06/02/24	15783.52	58	01/04/24	15952.36
26	07/02/24	15812.67	59	02/04/24	15988.55
27	12/02/24	15763.42	60	03/04/24	16013.67
28	13/02/24	15690.06	61	04/04/24	16002.61
29	15/02/24	15662.92	62	05/04/24	15986.53
30	16/02/24	15684.03	63	16/04/24	15952.36
31	19/02/24	15732.27	64	17/04/24	16256.88
32	20/02/24	15708.15	65	18/04/24	16321.2
33	21/02/24	15737.3	66	19/04/24	16257.89

Lanjutan Lampiran 2

No	Tanggal	Data Aktual (Rp)
67	22/04/24	16361.4
68	23/04/24	16305.12
69	24/04/24	16325.22
70	25/04/24	16241.81
71	26/04/24	16289.04

Lampiran 3 Interval Data Training

	Interval	Nilai Tengah
u_1	[14700 ; 14720]	14710
u_2	[14720 ; 14740]	14730
u_3	[14740 ; 14760]	14750
u_4	[14760 ; 14780]	14770
u_5	[14780 ; 14800]	14790
u_6	[14800 ; 14820]	14810
u_7	[14820 ; 14840]	14830
u_8	[14840 ; 14860]	14850
u_9	[14860 ; 14880]	14870
u_{10}	[14880 ; 14900]	14890
u_{11}	[14900 ; 14920]	14910
u_{12}	[14920 ; 14940]	14930
u_{13}	[14940 ; 14960]	14950
u_{14}	[14960 ; 14980]	14970
u_{15}	[14980 ; 15000]	14990
u_{16}	[15000 ; 15020]	15010
u_{17}	[15020 ; 15040]	15030
u_{18}	[15040 ; 15060]	15050
u_{19}	[15060 ; 15080]	15070
u_{20}	[15080 ; 15100]	15090
u_{21}	[15100 ; 15120]	15110
u_{22}	[15120 ; 15140]	15130
u_{23}	[15140 ; 15160]	15150
u_{24}	[15160 ; 15180]	15170
u_{25}	[15180 ; 15200]	15190
u_{26}	[15200 ; 15220]	15210
u_{27}	[15220 ; 15240]	15230
u_{28}	[15240 ; 15260]	15250
u_{29}	[15260 ; 15280]	15270
u_{30}	[15280 ; 15300]	15290
u_{31}	[15300 ; 15320]	15310
u_{32}	[15320 ; 15340]	15330
u_{33}	[15340 ; 15360]	15350

Lanjutan Lampiran 3

	Interval	Nilai Tengah
u_{34}	[15360 ; 15380]	15370
u_{35}	[15380 ; 15400]	15390
u_{36}	[15400 ; 15420]	15410
u_{37}	[15420 ; 15440]	15430
u_{38}	[15440 ; 15460]	15450
u_{39}	[15460 ; 15480]	15470
u_{40}	[15480 ; 15500]	15490
u_{41}	[15500 ; 15520]	15510
u_{42}	[15520 ; 15540]	15530
u_{43}	[15540 ; 15560]	15550
u_{44}	[15560 ; 15580]	15570
u_{45}	[15580 ; 15600]	15590
u_{46}	[15600 ; 15620]	15610
u_{47}	[15620 ; 15640]	15630
u_{48}	[15640 ; 15660]	15650
u_{49}	[15660 ; 15680]	15670
u_{50}	[15680 ; 15700]	15690
u_{51}	[15700 ; 15720]	15710
u_{52}	[15720 ; 15740]	15730
u_{53}	[15740 ; 15760]	15750
u_{54}	[15760 ; 15780]	15770
u_{55}	[15780 ; 15800]	15790
u_{56}	[15800 ; 15820]	15810
u_{57}	[15820 ; 15840]	15830
u_{58}	[15840 ; 15860]	15850
u_{59}	[15860 ; 15880]	15870
u_{60}	[15880 ; 15900]	15890
u_{61}	[15900 ; 15920]	15910
u_{62}	[15920 ; 15940]	15930
u_{63}	[15940 ; 15960]	15950
u_{64}	[15960 ; 15980]	15970
u_{65}	[15980 ; 16000]	15990
u_{66}	[16000 ; 16020]	16010
u_{67}	[16020 ; 16040]	16030

Lampiran 4 Fuzzifikasi Data Training

t	Data Aktual (Rp)	Fuzzifikasi	t	Data Aktual (Rp)	Fuzzifikasi
1	14929.27	A_{12}	34	15017.72	A_{16}
2	14956.41	A_{13}	35	15019.73	A_{16}
3	14824.75	A_7	36	15068.97	A_{19}
4	14734.31	A_2	37	15115.2	A_{21}
5	14776.51	A_4	38	15056.91	A_{18}
6	14779.53	A_4	39	14992.59	A_{15}
7	14705.16	A_1	40	15072.99	A_{19}
8	14747.37	A_3	41	15101.13	A_{21}
9	14782.55	A_5	42	15075	A_{19}
10	14830.78	A_7	43	15109.17	A_{21}
11	14819.73	A_6	44	15093.09	A_{20}
12	14795.61	A_5	45	15088.07	A_{20}
13	14825.76	A_7	46	15137.31	A_{22}
14	14886.06	A_{10}	47	15211.68	A_{26}
15	14884.05	A_{10}	48	15267.96	A_{29}
16	14949.38	A_{13}	49	15237.81	A_{27}
17	15010.68	A_{16}	50	15159.42	A_{23}
18	14971.49	A_{14}	51	15052.89	A_{18}
19	14952.39	A_{13}	52	15019.73	A_{16}
20	14979.52	A_{14}	53	15082.03	A_{20}
21	15026.76	A_{17}	54	15068.97	A_{19}
22	15033.8	A_{17}	55	15065.95	A_{19}
23	15047.86	A_{18}	56	15101.13	A_{21}
24	15043.84	A_{18}	57	15103.14	A_{21}
25	15078.01	A_{19}	58	15082.03	A_{20}
26	14962.44	A_{14}	59	15107.16	A_{21}
27	14913.19	A_{11}	60	15078.01	A_{19}
28	14949.38	A_{13}	61	15158.42	A_{23}
29	14977.51	A_{14}	62	15167.46	A_{24}
30	14927.26	A_{12}	63	15192.58	A_{25}
31	14948.37	A_{13}	64	15246.85	A_{28}
32	14942.34	A_{13}	65	15273.99	A_{29}
33	14969.48	A_{14}	66	15243.84	A_{28}

Lanjutan Lampiran 4

t	Data Aktual (Rp)	Fuzzifikasi	t	Data Aktual (Rp)	Fuzzifikasi
67	15253.89	A_{28}	100	15459.92	A_{38}
68	15305.15	A_{31}	101	15476	A_{39}
69	15282.03	A_{30}	102	15541.32	A_{43}
70	15280.02	A_{30}	103	15603.63	A_{46}
71	15301.13	A_{31}	104	15564.43	A_{44}
72	15399.61	A_{35}	105	15596.59	A_{45}
73	15422.73	A_{37}	106	15678	A_{49}
74	15384.54	A_{35}	107	15714.18	A_{51}
75	15384.54	A_{35}	108	15679	A_{49}
76	15405.65	A_{36}	109	15706.14	A_{51}
77	15402.63	A_{36}	110	15753.38	A_{53}
78	15395.59	A_{35}	111	15786.54	A_{55}
79	15329.26	A_{32}	112	15788.55	A_{55}
80	15373.49	A_{34}	113	15780.51	A_{55}
81	15370.47	A_{34}	114	15787.55	A_{55}
82	15339.32	A_{32}	115	15794.58	A_{55}
83	15315.19	A_{31}	116	15796.59	A_{55}
84	15313.18	A_{31}	117	15809.66	A_{56}
85	15328.26	A_{32}	118	15917.19	A_{61}
86	15323.24	A_{32}	119	15935.28	A_{62}
87	15336.3	A_{32}	120	16022.72	A_{66}
88	15383.53	A_{35}	121	15948.34	A_{63}
89	15410.67	A_{36}	122	15950.35	A_{63}
90	15417.7	A_{36}	123	16012.67	A_{66}
91	15428.76	A_{37}	124	16020.7	A_{66}
92	15420.72	A_{37}	125	15995.58	A_{65}
93	15443.83	A_{38}	126	15976.49	A_{64}
94	15433.78	A_{37}	127	16025.73	A_{66}
95	15443.83	A_{38}	128	15940.31	A_{63}
96	15449.86	A_{38}	129	15849.85	A_{58}
97	15457.91	A_{38}	130	15627.75	A_{47}
98	15472.98	A_{39}	131	15670.97	A_{49}
99	15473.99	A_{39}	132	15707.15	A_{51}

Lanjutan Lampiran 4

t	Data Aktual (Rp)	Fuzzifikasi	t	Data Aktual (Rp)	Fuzzifikasi
133	15727.25	A_{52}	151	15581.52	A_{45}
134	15771.47	A_{54}	152	15581.52	A_{45}
135	15791.57	A_{55}	153	15613.68	A_{46}
136	15777.5	A_{54}	154	15577.5	A_{44}
137	15580.51	A_{45}	155	15692.07	A_{50}
138	15672.98	A_{49}	156	15709.16	A_{51}
139	15581.52	A_{45}	157	15707.15	A_{51}
140	15496.09	A_{40}	158	15570.47	A_{44}
141	15513.18	A_{41}	159	15580.51	A_{45}
142	15661.92	A_{49}	160	15593.58	A_{45}
143	15670.97	A_{49}	161	15583.53	A_{45}
144	15664.93	A_{49}	162	15589.56	A_{45}
145	15604.64	A_{46}	163	15610.67	A_{46}
146	15527.25	A_{42}	164	15566.44	A_{44}
147	15460.92	A_{39}	165	15491.07	A_{40}
148	15561.42	A_{44}	166	15493.08	A_{40}
149	15601.62	A_{46}	167	15516.19	A_{41}
150	15523.23	A_{42}			

Lampiran 5 FLR Data Training

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
1	A_{12}	-	34	A_{16}	$A_{14} \rightarrow A_{16}$
2	A_{13}	$A_{12} \rightarrow A_{13}$	35	A_{16}	$A_{16} \rightarrow A_{16}$
3	A_7	$A_{13} \rightarrow A_7$	36	A_{19}	$A_{16} \rightarrow A_{19}$
4	A_2	$A_7 \rightarrow A_2$	37	A_{21}	$A_{19} \rightarrow A_{21}$
5	A_4	$A_2 \rightarrow A_4$	38	A_{18}	$A_{21} \rightarrow A_{18}$
6	A_4	$A_4 \rightarrow A_4$	39	A_{15}	$A_{18} \rightarrow A_{15}$
7	A_1	$A_4 \rightarrow A_1$	40	A_{19}	$A_{15} \rightarrow A_{19}$
8	A_3	$A_1 \rightarrow A_3$	41	A_{21}	$A_{19} \rightarrow A_{21}$
9	A_5	$A_3 \rightarrow A_5$	42	A_{19}	$A_{21} \rightarrow A_{19}$
10	A_7	$A_5 \rightarrow A_7$	43	A_{21}	$A_{19} \rightarrow A_{21}$
11	A_6	$A_7 \rightarrow A_6$	44	A_{20}	$A_{21} \rightarrow A_{20}$
12	A_5	$A_6 \rightarrow A_5$	45	A_{20}	$A_{20} \rightarrow A_{20}$
13	A_7	$A_5 \rightarrow A_7$	46	A_{22}	$A_{20} \rightarrow A_{22}$
14	A_{10}	$A_7 \rightarrow A_{10}$	47	A_{26}	$A_{22} \rightarrow A_{26}$
15	A_{10}	$A_{10} \rightarrow A_{10}$	48	A_{29}	$A_{26} \rightarrow A_{29}$
16	A_{13}	$A_{10} \rightarrow A_{13}$	49	A_{27}	$A_{29} \rightarrow A_{27}$
17	A_{16}	$A_{13} \rightarrow A_{16}$	50	A_{23}	$A_{27} \rightarrow A_{23}$
18	A_{14}	$A_{16} \rightarrow A_{14}$	51	A_{18}	$A_{23} \rightarrow A_{18}$
19	A_{13}	$A_{14} \rightarrow A_{13}$	52	A_{16}	$A_{18} \rightarrow A_{16}$
20	A_{14}	$A_{13} \rightarrow A_{14}$	53	A_{20}	$A_{16} \rightarrow A_{20}$
21	A_{17}	$A_{14} \rightarrow A_{17}$	54	A_{19}	$A_{20} \rightarrow A_{19}$
22	A_{17}	$A_{17} \rightarrow A_{17}$	55	A_{19}	$A_{19} \rightarrow A_{19}$
23	A_{18}	$A_{17} \rightarrow A_{18}$	56	A_{21}	$A_{19} \rightarrow A_{21}$
24	A_{18}	$A_{18} \rightarrow A_{18}$	57	A_{21}	$A_{21} \rightarrow A_{21}$
25	A_{19}	$A_{18} \rightarrow A_{19}$	58	A_{20}	$A_{21} \rightarrow A_{20}$
26	A_{14}	$A_{19} \rightarrow A_{14}$	59	A_{21}	$A_{20} \rightarrow A_{21}$
27	A_{11}	$A_{14} \rightarrow A_{11}$	60	A_{19}	$A_{21} \rightarrow A_{19}$
28	A_{13}	$A_{11} \rightarrow A_{13}$	61	A_{23}	$A_{19} \rightarrow A_{23}$
29	A_{14}	$A_{13} \rightarrow A_{14}$	62	A_{24}	$A_{23} \rightarrow A_{24}$
30	A_{12}	$A_{14} \rightarrow A_{12}$	63	A_{25}	$A_{24} \rightarrow A_{25}$
31	A_{13}	$A_{12} \rightarrow A_{13}$	64	A_{28}	$A_{25} \rightarrow A_{28}$
32	A_{13}	$A_{13} \rightarrow A_{13}$	65	A_{29}	$A_{28} \rightarrow A_{29}$
33	A_{14}	$A_{13} \rightarrow A_{14}$	66	A_{28}	$A_{29} \rightarrow A_{28}$

Lanjutan Lampiran 5

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
67	A_{28}	$A_{28} \rightarrow A_{28}$	100	A_{38}	$A_{39} \rightarrow A_{38}$
68	A_{31}	$A_{28} \rightarrow A_{31}$	101	A_{39}	$A_{38} \rightarrow A_{39}$
69	A_{30}	$A_{31} \rightarrow A_{30}$	102	A_{43}	$A_{39} \rightarrow A_{43}$
70	A_{30}	$A_{30} \rightarrow A_{30}$	103	A_{46}	$A_{43} \rightarrow A_{46}$
71	A_{31}	$A_{30} \rightarrow A_{31}$	104	A_{44}	$A_{46} \rightarrow A_{44}$
72	A_{35}	$A_{31} \rightarrow A_{35}$	105	A_{45}	$A_{44} \rightarrow A_{45}$
73	A_{37}	$A_{35} \rightarrow A_{37}$	106	A_{49}	$A_{45} \rightarrow A_{49}$
74	A_{35}	$A_{37} \rightarrow A_{35}$	107	A_{51}	$A_{49} \rightarrow A_{51}$
75	A_{35}	$A_{35} \rightarrow A_{35}$	108	A_{49}	$A_{51} \rightarrow A_{49}$
76	A_{36}	$A_{35} \rightarrow A_{36}$	109	A_{51}	$A_{49} \rightarrow A_{51}$
77	A_{36}	$A_{36} \rightarrow A_{36}$	110	A_{53}	$A_{51} \rightarrow A_{53}$
78	A_{35}	$A_{36} \rightarrow A_{35}$	111	A_{55}	$A_{53} \rightarrow A_{55}$
79	A_{32}	$A_{35} \rightarrow A_{32}$	112	A_{55}	$A_{55} \rightarrow A_{55}$
80	A_{34}	$A_{32} \rightarrow A_{34}$	113	A_{55}	$A_{55} \rightarrow A_{55}$
81	A_{34}	$A_{34} \rightarrow A_{34}$	114	A_{55}	$A_{55} \rightarrow A_{55}$
82	A_{32}	$A_{34} \rightarrow A_{32}$	115	A_{55}	$A_{55} \rightarrow A_{55}$
83	A_{31}	$A_{32} \rightarrow A_{31}$	116	A_{55}	$A_{55} \rightarrow A_{55}$
84	A_{31}	$A_{31} \rightarrow A_{31}$	117	A_{56}	$A_{55} \rightarrow A_{56}$
85	A_{32}	$A_{31} \rightarrow A_{32}$	118	A_{61}	$A_{56} \rightarrow A_{61}$
86	A_{32}	$A_{32} \rightarrow A_{32}$	119	A_{62}	$A_{61} \rightarrow A_{62}$
87	A_{32}	$A_{32} \rightarrow A_{32}$	120	A_{66}	$A_{62} \rightarrow A_{66}$
88	A_{35}	$A_{32} \rightarrow A_{35}$	121	A_{63}	$A_{66} \rightarrow A_{63}$
89	A_{36}	$A_{35} \rightarrow A_{36}$	122	A_{63}	$A_{63} \rightarrow A_{63}$
90	A_{36}	$A_{36} \rightarrow A_{36}$	123	A_{66}	$A_{63} \rightarrow A_{66}$
91	A_{37}	$A_{36} \rightarrow A_{37}$	124	A_{66}	$A_{66} \rightarrow A_{66}$
92	A_{37}	$A_{37} \rightarrow A_{37}$	125	A_{65}	$A_{66} \rightarrow A_{65}$
93	A_{38}	$A_{37} \rightarrow A_{38}$	126	A_{64}	$A_{65} \rightarrow A_{64}$
94	A_{37}	$A_{38} \rightarrow A_{37}$	127	A_{66}	$A_{64} \rightarrow A_{66}$
95	A_{38}	$A_{37} \rightarrow A_{38}$	128	A_{63}	$A_{66} \rightarrow A_{63}$
96	A_{38}	$A_{38} \rightarrow A_{38}$	129	A_{58}	$A_{63} \rightarrow A_{58}$
97	A_{38}	$A_{38} \rightarrow A_{38}$	130	A_{47}	$A_{58} \rightarrow A_{47}$
98	A_{39}	$A_{38} \rightarrow A_{39}$	131	A_{49}	$A_{47} \rightarrow A_{49}$
99	A_{39}	$A_{39} \rightarrow A_{39}$	132	A_{51}	$A_{49} \rightarrow A_{51}$

Lanjutan Lampiran 5

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
133	A_{52}	$A_{51} \rightarrow A_{52}$	151	A_{45}	$A_{42} \rightarrow A_{45}$
134	A_{54}	$A_{52} \rightarrow A_{54}$	152	A_{45}	$A_{45} \rightarrow A_{45}$
135	A_{55}	$A_{54} \rightarrow A_{55}$	153	A_{46}	$A_{45} \rightarrow A_{46}$
136	A_{54}	$A_{55} \rightarrow A_{54}$	154	A_{44}	$A_{46} \rightarrow A_{44}$
137	A_{45}	$A_{54} \rightarrow A_{45}$	155	A_{50}	$A_{44} \rightarrow A_{50}$
138	A_{49}	$A_{45} \rightarrow A_{49}$	156	A_{51}	$A_{50} \rightarrow A_{51}$
139	A_{45}	$A_{49} \rightarrow A_{45}$	157	A_{51}	$A_{51} \rightarrow A_{51}$
140	A_{40}	$A_{45} \rightarrow A_{40}$	158	A_{44}	$A_{51} \rightarrow A_{44}$
141	A_{41}	$A_{40} \rightarrow A_{41}$	159	A_{45}	$A_{44} \rightarrow A_{45}$
142	A_{49}	$A_{41} \rightarrow A_{49}$	160	A_{45}	$A_{45} \rightarrow A_{45}$
143	A_{49}	$A_{49} \rightarrow A_{49}$	161	A_{45}	$A_{45} \rightarrow A_{45}$
144	A_{49}	$A_{49} \rightarrow A_{49}$	162	A_{45}	$A_{45} \rightarrow A_{45}$
145	A_{46}	$A_{49} \rightarrow A_{46}$	163	A_{46}	$A_{45} \rightarrow A_{46}$
146	A_{42}	$A_{46} \rightarrow A_{42}$	164	A_{44}	$A_{46} \rightarrow A_{44}$
147	A_{39}	$A_{42} \rightarrow A_{39}$	165	A_{40}	$A_{44} \rightarrow A_{40}$
148	A_{44}	$A_{39} \rightarrow A_{44}$	166	A_{40}	$A_{40} \rightarrow A_{40}$
149	A_{46}	$A_{44} \rightarrow A_{46}$	167	A_{41}	$A_{40} \rightarrow A_{41}$
150	A_{42}	$A_{46} \rightarrow A_{42}$			

Lampiran 6 FLRG Data Training

Current State	Next State
A_1	(A_3)
A_2	(A_4)
A_3	(A_5)
A_4	$(A_1) (A_4)$
A_5	$(2A_7)$
A_6	(A_5)
A_7	$(A_2) (A_6) (A_{10})$
A_8	–
A_9	–
A_{10}	$(A_{10}) (A_{13})$
A_{11}	(A_{13})
A_{12}	$(2A_{13})$
A_{13}	$(A_7) (A_{13}) (3A_{14}) (A_{16})$
A_{14}	$(A_{11}) (A_{12}) (A_{13}) (A_{16}) (A_{17})$
A_{15}	(A_{19})
A_{16}	$(A_{14}) (A_{16}) (A_{19}) (A_{20})$
A_{17}	$(A_{17}) (A_{18})$
A_{18}	$(A_{15}) (A_{16}) (A_{18}) (A_{19})$
A_{19}	$(A_{14}) (A_{19}) (4A_{21}) (A_{23})$
A_{20}	$(A_{19}) (A_{20}) (A_{21}) (A_{22})$
A_{21}	$(A_{18}) (2A_{19}) (2A_{20}) (A_{21})$
A_{22}	(A_{26})
A_{23}	$(A_{18}) (A_{24})$
A_{24}	(A_{25})
A_{25}	(A_{28})
A_{26}	(A_{29})
A_{27}	(A_{23})
A_{28}	$(A_{28}) (A_{29}) (A_{31})$
A_{29}	$(A_{27}) (A_{28})$
A_{30}	$(A_{30}) (A_{31})$
A_{31}	$(A_{30}) (A_{31}) (A_{32}) (A_{35})$
A_{32}	$(A_{31}) (2A_{32}) (A_{34}) (A_{35})$
A_{33}	–

Lanjutan Lampiran 6

Current State	Next State
A_{34}	$(A_{32}) (A_{34})$
A_{35}	$(A_{32}) (A_{35}) (2A_{36}) (A_{37})$
A_{36}	$(A_{35}) (2A_{36}) (A_{37})$
A_{37}	$(A_{35}) (A_{37}) (2A_{38})$
A_{38}	$(A_{37})(2A_{38}) (2A_{39})$
A_{39}	$(A_{38}) (A_{39}) (A_{43}) (A_{44})$
A_{40}	$(A_{40}) (2A_{41})$
A_{41}	(A_{49})
A_{42}	$(A_{39}) (A_{45})$
A_{43}	(A_{46})
A_{44}	$(A_{40}) (2A_{45}) (A_{46}) (A_{50})$
A_{45}	$(A_{40}) (4A_{45}) (2A_{46}) (2A_{49})$
A_{46}	$(2A_{42}) (3A_{44})$
A_{47}	(A_{49})
A_{48}	–
A_{49}	$(A_{45}) (A_{46}) (2A_{49}) (3A_{51})$
A_{50}	(A_{51})
A_{51}	$(A_{44}) (A_{49}) (A_{51}) (A_{52}) (A_{53})$
A_{52}	(A_{54})
A_{53}	(A_{55})
A_{54}	$(A_{45}) (A_{55})$
A_{55}	$(A_{54}) (5A_{55}) (A_{56})$
A_{56}	(A_{61})
A_{57}	–
A_{58}	(A_{47})
A_{59}	–
A_{60}	–
A_{61}	(A_{62})
A_{62}	(A_{66})
A_{63}	$(A_{58}) (A_{63}) (A_{66})$
A_{64}	(A_{66})
A_{65}	(A_{64})
A_{66}	$(2A_{63}) (A_{65}) (A_{66})$
A_{67}	–

Lampiran 8 Hasil Peramalan Awal Data *Training*

t	Data Aktual (Rp)	Peramalan Awal (Rp)	t	Data Aktual (Rp)	Peramalan Awal (Rp)
1	14929.27	-	34	15017.72	14966.00
2	14956.41	14950.00	35	15019.73	15036.93
3	14824.75	14951.07	36	15068.97	15037.43
4	14734.31	14810	37	15115.2	15089.85
5	14776.51	14770.00	38	15056.91	15087.53
6	14779.53	14743.26	39	14992.59	15031.73
7	14705.16	14744.77	40	15072.99	15070.00
8	14747.37	14750.00	41	15101.13	15090.43
9	14782.55	14790.00	42	15075	15085.19
10	14830.78	14830.00	43	15109.17	15090.71
11	14819.73	14810	44	15093.09	15086.53
12	14795.61	14790.00	45	15088.07	15100.77
13	14825.76	14830.00	46	15137.31	15099.52
14	14886.06	14810	47	15211.68	15210.00
15	14884.05	14918.03	48	15267.96	15270.00
16	14949.38	14917.03	49	15237.81	15240.00
17	15010.68	14949.90	50	15159.42	15150.00
18	14971.49	15035.17	51	15052.89	15110.00
19	14952.39	14966.00	52	15019.73	15030.72
20	14979.52	14950.40	53	15082.03	15037.43
21	15026.76	14966.00	54	15068.97	15098.01
22	15033.8	15038.38	55	15065.95	15089.85
23	15047.86	15041.90	56	15101.13	15089.42
24	15043.84	15029.47	57	15103.14	15085.19
25	15078.01	15028.46	58	15082.03	15085.52
26	14962.44	15091.14	59	15107.16	15098.01
27	14913.19	14966.00	60	15078.01	15086.19
28	14949.38	14950.00	61	15158.42	15091.14
29	14977.51	14949.90	62	15167.46	15110.00
30	14927.26	14966.00	63	15192.58	15190.00
31	14948.37	14950.00	64	15246.85	15250.00
32	14942.34	14949.73	65	15273.99	15275.62
33	14969.48	14948.72	66	15243.84	15240.00

Lanjutan Lampiran 8

t	Data Aktual (Rp)	Peramalan Awal (Rp)	t	Data Aktual (Rp)	Peramalan Awal (Rp)
67	15253.89	15274.61	100	15459.92	15511.00
68	15305.15	15277.96	101	15476	15457.97
69	15282.03	15328.79	102	15541.32	15511.50
70	15280.02	15296.02	103	15603.63	15610.00
71	15301.13	15295.01	104	15564.43	15554.00
72	15399.61	15327.78	105	15596.59	15594.00
73	15422.73	15395.92	106	15678	15604.04
74	15384.54	15428.18	107	15714.18	15669.43
75	15384.54	15392.91	108	15679	15686.84
76	15405.65	15392.91	109	15706.14	15669.71
77	15402.63	15407.83	110	15753.38	15685.23
78	15395.59	15406.32	111	15786.54	15790.00
79	15329.26	15395.12	112	15788.55	15787.53
80	15373.49	15345.70	113	15780.51	15788.96
81	15370.47	15351.75	114	15787.55	15783.22
82	15339.32	15350.24	115	15794.58	15788.25
83	15315.19	15349.73	116	15796.59	15793.27
84	15313.18	15331.30	117	15809.66	15794.71
85	15328.26	15330.80	118	15917.19	15910.00
86	15323.24	15345.30	119	15935.28	15930.00
87	15336.3	15343.30	120	16022.72	16010.00
88	15383.53	15348.52	121	15948.34	15978.18
89	15410.67	15392.71	122	15950.35	15936.11
90	15417.7	15410.34	123	16012.67	15936.78
91	15428.76	15413.85	124	16020.7	15975.67
92	15420.72	15429.69	125	15995.58	15977.68
93	15443.83	15427.68	126	15976.49	15970.00
94	15433.78	15451.53	127	16025.73	16010.00
95	15443.83	15430.95	128	15940.31	15978.93
96	15449.86	15451.53	129	15849.85	15933.44
97	15457.91	15453.94	130	15627.75	15630.00
98	15472.98	15457.16	131	15670.97	15670.00
99	15473.99	15510.75	132	15707.15	15667.42

Lanjutan Lampiran 8

t	Data Aktual (Rp)	Peramalan Awal (Rp)	t	Data Aktual (Rp)	Peramalan Awal (Rp)
133	15727.25	15685.43	151	15581.52	15530.00
134	15771.47	15770.00	152	15581.52	15597.34
135	15791.57	15690.00	153	15613.68	15597.34
136	15777.5	15791.12	154	15577.5	15554.00
137	15580.51	15690.00	155	15692.07	15594.00
138	15672.98	15596.89	156	15709.16	15710.00
139	15581.52	15667.99	157	15707.15	15685.83
140	15496.09	15597.34	158	15570.47	15685.43
141	15513.18	15505.36	159	15580.51	15594.00
142	15661.92	15670.00	160	15593.58	15596.89
143	15670.97	15664.83	161	15583.53	15602.70
144	15664.93	15667.42	162	15589.56	15598.24
145	15604.64	15665.69	163	15610.67	15600.92
146	15527.25	15554.00	164	15566.44	15554.00
147	15460.92	15530.00	165	15491.07	15594.00
148	15561.42	15507.73	166	15493.08	15503.69
149	15601.62	15594.00	167	15516.19	15504.36
150	15523.23	15554.00			

Lampiran 9 Nilai Penyesuaian Kecenderungan Hasil Peramalan Data *Training*

t	FLR	Nilai Penyesuaian	t	FLR	Nilai Penyesuaian
1	-	-	33	$A_{13} \rightarrow A_{14}$	10
2	$A_{12} \rightarrow A_{13}$	10	34	$A_{14} \rightarrow A_{16}$	20
3	$A_{13} \rightarrow A_7$	-60	35	$A_{16} \rightarrow A_{16}$	0
4	$A_7 \rightarrow A_2$	-50	36	$A_{16} \rightarrow A_{19}$	30
5	$A_2 \rightarrow A_4$	20	37	$A_{19} \rightarrow A_{21}$	20
6	$A_4 \rightarrow A_4$	0	38	$A_{21} \rightarrow A_{18}$	-30
7	$A_4 \rightarrow A_1$	-30	39	$A_{18} \rightarrow A_{15}$	-30
8	$A_1 \rightarrow A_3$	20	40	$A_{15} \rightarrow A_{19}$	40
9	$A_3 \rightarrow A_5$	20	41	$A_{19} \rightarrow A_{21}$	20
10	$A_5 \rightarrow A_7$	20	42	$A_{21} \rightarrow A_{19}$	-20
11	$A_7 \rightarrow A_6$	-10	43	$A_{19} \rightarrow A_{21}$	20
12	$A_6 \rightarrow A_5$	-10	44	$A_{21} \rightarrow A_{20}$	-10
13	$A_5 \rightarrow A_7$	20	45	$A_{20} \rightarrow A_{20}$	0
14	$A_7 \rightarrow A_{10}$	30	46	$A_{20} \rightarrow A_{22}$	20
15	$A_{10} \rightarrow A_{10}$	0	47	$A_{22} \rightarrow A_{26}$	40
16	$A_{10} \rightarrow A_{13}$	30	48	$A_{26} \rightarrow A_{29}$	30
17	$A_{13} \rightarrow A_{16}$	30	49	$A_{29} \rightarrow A_{27}$	-20
18	$A_{16} \rightarrow A_{14}$	-20	50	$A_{27} \rightarrow A_{23}$	-40
19	$A_{14} \rightarrow A_{13}$	-10	51	$A_{23} \rightarrow A_{18}$	-50
20	$A_{13} \rightarrow A_{14}$	10	52	$A_{18} \rightarrow A_{16}$	-20
21	$A_{14} \rightarrow A_{17}$	30	53	$A_{16} \rightarrow A_{20}$	40
22	$A_{17} \rightarrow A_{17}$	0	54	$A_{20} \rightarrow A_{19}$	-10
23	$A_{17} \rightarrow A_{18}$	10	55	$A_{19} \rightarrow A_{19}$	0
24	$A_{18} \rightarrow A_{18}$	0	56	$A_{19} \rightarrow A_{21}$	20
25	$A_{18} \rightarrow A_{19}$	10	57	$A_{21} \rightarrow A_{21}$	0
26	$A_{19} \rightarrow A_{14}$	-50	58	$A_{21} \rightarrow A_{20}$	-10
27	$A_{14} \rightarrow A_{11}$	-30	59	$A_{20} \rightarrow A_{21}$	10
28	$A_{11} \rightarrow A_{13}$	20	60	$A_{21} \rightarrow A_{19}$	-20
29	$A_{13} \rightarrow A_{14}$	10	61	$A_{19} \rightarrow A_{23}$	40
30	$A_{14} \rightarrow A_{12}$	-20	62	$A_{23} \rightarrow A_{24}$	10
31	$A_{12} \rightarrow A_{13}$	10	63	$A_{24} \rightarrow A_{25}$	10
32	$A_{13} \rightarrow A_{13}$	0	64	$A_{25} \rightarrow A_{28}$	30

Lanjutan Lampiran 9

t	FLR	Nilai Penyesuaian	t	FLR	Nilai Penyesuaian
65	$A_{28} \rightarrow A_{29}$	10	97	$A_{38} \rightarrow A_{38}$	0
66	$A_{29} \rightarrow A_{28}$	-10	98	$A_{38} \rightarrow A_{39}$	10
67	$A_{28} \rightarrow A_{28}$	0	99	$A_{39} \rightarrow A_{39}$	0
68	$A_{28} \rightarrow A_{31}$	30	100	$A_{39} \rightarrow A_{38}$	-10
69	$A_{31} \rightarrow A_{30}$	-10	101	$A_{38} \rightarrow A_{39}$	10
70	$A_{30} \rightarrow A_{30}$	0	102	$A_{39} \rightarrow A_{43}$	40
71	$A_{30} \rightarrow A_{31}$	10	103	$A_{43} \rightarrow A_{46}$	30
72	$A_{31} \rightarrow A_{35}$	40	104	$A_{46} \rightarrow A_{44}$	-20
73	$A_{35} \rightarrow A_{37}$	20	105	$A_{44} \rightarrow A_{45}$	10
74	$A_{37} \rightarrow A_{35}$	-20	106	$A_{45} \rightarrow A_{49}$	40
75	$A_{35} \rightarrow A_{35}$	0	107	$A_{49} \rightarrow A_{51}$	20
76	$A_{35} \rightarrow A_{36}$	10	108	$A_{51} \rightarrow A_{49}$	-20
77	$A_{36} \rightarrow A_{36}$	0	109	$A_{49} \rightarrow A_{51}$	20
78	$A_{36} \rightarrow A_{35}$	-10	110	$A_{51} \rightarrow A_{53}$	20
79	$A_{35} \rightarrow A_{32}$	-30	111	$A_{53} \rightarrow A_{55}$	20
80	$A_{32} \rightarrow A_{34}$	20	112	$A_{55} \rightarrow A_{55}$	0
81	$A_{34} \rightarrow A_{34}$	0	113	$A_{55} \rightarrow A_{55}$	0
82	$A_{34} \rightarrow A_{32}$	-20	114	$A_{55} \rightarrow A_{55}$	0
83	$A_{32} \rightarrow A_{31}$	-10	115	$A_{55} \rightarrow A_{55}$	0
84	$A_{31} \rightarrow A_{31}$	0	116	$A_{55} \rightarrow A_{55}$	0
85	$A_{31} \rightarrow A_{32}$	10	117	$A_{55} \rightarrow A_{56}$	10
86	$A_{32} \rightarrow A_{32}$	0	118	$A_{56} \rightarrow A_{61}$	50
87	$A_{32} \rightarrow A_{32}$	0	119	$A_{61} \rightarrow A_{62}$	10
88	$A_{32} \rightarrow A_{35}$	30	120	$A_{62} \rightarrow A_{66}$	40
89	$A_{35} \rightarrow A_{36}$	10	121	$A_{66} \rightarrow A_{63}$	-30
90	$A_{36} \rightarrow A_{36}$	0	122	$A_{63} \rightarrow A_{63}$	0
91	$A_{36} \rightarrow A_{37}$	10	123	$A_{63} \rightarrow A_{66}$	30
92	$A_{37} \rightarrow A_{37}$	0	124	$A_{66} \rightarrow A_{66}$	0
93	$A_{37} \rightarrow A_{38}$	10	125	$A_{66} \rightarrow A_{65}$	-10
94	$A_{38} \rightarrow A_{37}$	-10	126	$A_{65} \rightarrow A_{64}$	-10
95	$A_{37} \rightarrow A_{38}$	10	127	$A_{64} \rightarrow A_{66}$	20
96	$A_{38} \rightarrow A_{38}$	0	128	$A_{66} \rightarrow A_{63}$	-30

Lanjutan Lampiran 9

t	FLR	Nilai Penyesuaian	t	FLR	Nilai Penyesuaian
129	$A_{63} \rightarrow A_{58}$	-50	149	$A_{44} \rightarrow A_{46}$	20
130	$A_{58} \rightarrow A_{47}$	-110	150	$A_{46} \rightarrow A_{42}$	-40
131	$A_{47} \rightarrow A_{49}$	20	151	$A_{42} \rightarrow A_{45}$	30
132	$A_{49} \rightarrow A_{51}$	20	152	$A_{45} \rightarrow A_{45}$	0
133	$A_{51} \rightarrow A_{52}$	10	153	$A_{45} \rightarrow A_{46}$	10
134	$A_{52} \rightarrow A_{54}$	20	154	$A_{46} \rightarrow A_{44}$	-20
135	$A_{54} \rightarrow A_{55}$	10	155	$A_{44} \rightarrow A_{50}$	60
136	$A_{55} \rightarrow A_{54}$	-10	156	$A_{50} \rightarrow A_{51}$	10
137	$A_{54} \rightarrow A_{45}$	-90	157	$A_{51} \rightarrow A_{51}$	0
138	$A_{45} \rightarrow A_{49}$	40	158	$A_{51} \rightarrow A_{44}$	-70
139	$A_{49} \rightarrow A_{45}$	-40	159	$A_{44} \rightarrow A_{45}$	10
140	$A_{45} \rightarrow A_{40}$	-50	160	$A_{45} \rightarrow A_{45}$	0
141	$A_{40} \rightarrow A_{41}$	10	161	$A_{45} \rightarrow A_{45}$	0
142	$A_{41} \rightarrow A_{49}$	80	162	$A_{45} \rightarrow A_{45}$	0
143	$A_{49} \rightarrow A_{49}$	0	163	$A_{45} \rightarrow A_{46}$	10
144	$A_{49} \rightarrow A_{49}$	0	164	$A_{46} \rightarrow A_{44}$	-20
145	$A_{49} \rightarrow A_{46}$	-30	165	$A_{44} \rightarrow A_{40}$	-40
146	$A_{46} \rightarrow A_{42}$	-40	166	$A_{40} \rightarrow A_{40}$	0
147	$A_{42} \rightarrow A_{39}$	-30	167	$A_{40} \rightarrow A_{41}$	10
148	$A_{39} \rightarrow A_{44}$	50			

Lampiran 10 Hasil Peramalan Akhir Data *Training* dengan Metode *Average Based FTS-MC*

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
1	14929.27	-	-	-
2	14956.41	14950.00	10	14960.00
3	14824.75	14951.07	-60	14891.07
4	14734.31	14810	-50	14760.00
5	14776.51	14770.00	20	14790.00
6	14779.53	14743.26	0	14743.26
7	14705.16	14744.77	-30	14714.77
8	14747.37	14750.00	20	14770.00
9	14782.55	14790.00	20	14810.00
10	14830.78	14830.00	20	14850.00
11	14819.73	14810	-10	14800.00
12	14795.61	14790.00	-10	14780.00
13	14825.76	14830.00	20	14850.00
14	14886.06	14810	30	14840.00
15	14884.05	14918.03	0	14918.03
16	14949.38	14917.03	30	14947.03
17	15010.68	14949.90	30	14979.90
18	14971.49	15035.17	-20	15015.17
19	14952.39	14966.00	-10	14956.00
20	14979.52	14950.40	10	14960.40
21	15026.76	14966.00	30	14996.00
22	15033.8	15038.38	0	15038.38
23	15047.86	15041.90	10	15051.90
24	15043.84	15029.47	0	15029.47
25	15078.01	15028.46	10	15038.46
26	14962.44	15091.14	-50	15041.14
27	14913.19	14966.00	-30	14936.00
28	14949.38	14950.00	20	14970.00
29	14977.51	14949.90	10	14959.90
30	14927.26	14966.00	-20	14946.00
31	14948.37	14950.00	10	14960.00
32	14942.34	14949.73	0	14949.73

Lanjutan Lampiran 10

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
33	14969.48	14948.72	10	14958.72
34	15017.72	14966.00	20	14986.00
35	15019.73	15036.93	0	15036.93
36	15068.97	15037.43	30	15067.43
37	15115.2	15089.85	20	15109.85
38	15056.91	15087.53	-30	15057.53
39	14992.59	15031.73	-30	15001.73
40	15072.99	15070.00	40	15110.00
41	15101.13	15090.43	20	15110.43
42	15075	15085.19	-20	15065.19
43	15109.17	15090.71	20	15110.71
44	15093.09	15086.53	-10	15076.53
45	15088.07	15100.77	0	15100.77
46	15137.31	15099.52	20	15119.52
47	15211.68	15210.00	40	15250.00
48	15267.96	15270.00	30	15300.00
49	15237.81	15240.00	-20	15220.00
50	15159.42	15150.00	-40	15110.00
51	15052.89	15110.00	-50	15060.00
52	15019.73	15030.72	-20	15010.72
53	15082.03	15037.43	40	15077.43
54	15068.97	15098.01	-10	15088.01
55	15065.95	15089.85	0	15089.85
56	15101.13	15089.42	20	15109.42
57	15103.14	15085.19	0	15085.19
58	15082.03	15085.52	-10	15075.52
59	15107.16	15098.01	10	15108.01
60	15078.01	15086.19	-20	15066.19
61	15158.42	15091.14	40	15131.14
62	15167.46	15110.00	10	15120.00
63	15192.58	15190.00	10	15200.00
64	15246.85	15250.00	30	15280.00
65	15273.99	15275.62	10	15285.62

Lanjutan Lampiran 10

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
66	15243.84	15240.00	-10	15230.00
67	15253.89	15274.61	0	15274.61
68	15305.15	15277.96	30	15307.96
69	15282.03	15328.79	-10	15318.79
70	15280.02	15296.02	0	15296.02
71	15301.13	15295.01	10	15305.01
72	15399.61	15327.78	40	15367.78
73	15422.73	15395.92	20	15415.92
74	15384.54	15428.18	-20	15408.18
75	15384.54	15392.91	0	15392.91
76	15405.65	15392.91	10	15402.91
77	15402.63	15407.83	0	15407.83
78	15395.59	15406.32	-10	15396.32
79	15329.26	15395.12	-30	15365.12
80	15373.49	15345.70	20	15365.70
81	15370.47	15351.75	0	15351.75
82	15339.32	15350.24	-20	15330.24
83	15315.19	15349.73	-10	15339.73
84	15313.18	15331.30	0	15331.30
85	15328.26	15330.80	10	15340.80
86	15323.24	15345.30	0	15345.30
87	15336.3	15343.30	0	15343.30
88	15383.53	15348.52	30	15378.52
89	15410.67	15392.71	10	15402.71
90	15417.7	15410.34	0	15410.34
91	15428.76	15413.85	10	15423.85
92	15420.72	15429.69	0	15429.69
93	15443.83	15427.68	10	15437.68
94	15433.78	15451.53	-10	15441.53
95	15443.83	15430.95	10	15440.95
96	15449.86	15451.53	0	15451.53
97	15457.91	15453.94	0	15453.94
98	15472.98	15457.16	10	15467.16

Lanjutan Lampiran 10

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
99	15473.99	15510.75	0	15510.75
100	15459.92	15511.00	-10	15501.00
101	15476	15457.97	10	15467.97
102	15541.32	15511.50	40	15551.50
103	15603.63	15610.00	30	15640.00
104	15564.43	15554.00	-20	15534.00
105	15596.59	15594.00	10	15604.00
106	15678	15604.04	40	15644.04
107	15714.18	15669.43	20	15689.43
108	15679	15686.84	-20	15666.84
109	15706.14	15669.71	20	15689.71
110	15753.38	15685.23	20	15705.23
111	15786.54	15790.00	20	15810.00
112	15788.55	15787.53	0	15787.53
113	15780.51	15788.96	0	15788.96
114	15787.55	15783.22	0	15783.22
115	15794.58	15788.25	0	15788.25
116	15796.59	15793.27	0	15793.27
117	15809.66	15794.71	10	15804.71
118	15917.19	15910.00	50	15960.00
119	15935.28	15930.00	10	15940.00
120	16022.72	16010.00	40	16050.00
121	15948.34	15978.18	-30	15948.18
122	15950.35	15936.11	0	15936.11
123	16012.67	15936.78	30	15966.78
124	16020.7	15975.67	0	15975.67
125	15995.58	15977.68	-10	15967.68
126	15976.49	15970.00	-10	15960.00
127	16025.73	16010.00	20	16030.00
128	15940.31	15978.93	-30	15948.93
129	15849.85	15933.44	-50	15883.44
130	15627.75	15630.00	-110	15520.00
131	15670.97	15670.00	20	15690.00

Lanjutan Lampiran 10

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
132	15707.15	15667.42	20	15687.42
133	15727.25	15685.43	10	15695.43
134	15771.47	15770.00	20	15790.00
135	15791.57	15690.00	10	15700.00
136	15777.5	15791.12	-10	15781.12
137	15580.51	15690.00	-90	15600.00
138	15672.98	15596.89	40	15636.89
139	15581.52	15667.99	-40	15627.99
140	15496.09	15597.34	-50	15547.34
141	15513.18	15505.36	10	15515.36
142	15661.92	15670.00	80	15750.00
143	15670.97	15664.83	0	15664.83
144	15664.93	15667.42	0	15667.42
145	15604.64	15665.69	-30	15635.69
146	15527.25	15554.00	-40	15514.00
147	15460.92	15530.00	-30	15500.00
148	15561.42	15507.73	50	15557.73
149	15601.62	15594.00	20	15614.00
150	15523.23	15554.00	-40	15514.00
151	15581.52	15530.00	30	15560.00
152	15581.52	15597.34	0	15597.34
153	15613.68	15597.34	10	15607.34
154	15577.5	15554.00	-20	15534.00
155	15692.07	15594.00	60	15654.00
156	15709.16	15710.00	10	15720.00
157	15707.15	15685.83	0	15685.83
158	15570.47	15685.43	-70	15615.43
159	15580.51	15594.00	10	15604.00
160	15593.58	15596.89	0	15596.89
161	15583.53	15602.70	0	15602.70
162	15589.56	15598.24	0	15598.24
163	15610.67	15600.92	10	15610.92
164	15566.44	15554.00	-20	15534.00

Lanjutan Lampiran 10

t	Data Aktual (Rp)	Peramalan Awal (Rp)	Nilai Penyesuaian	Peramalan Akhir (Rp)
165	15491.07	15594.00	-40	15554.00
166	15493.08	15503.69	0	15503.69
167	15516.19	15504.36	10	15514.36

Lampiran 11 Hasil Peramalan Data *Testing* dengan Metode *Average Based FTS-MC*

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
1	03/01/24	15550.36	-
2	04/01/24	15572.48	15590.00
3	05/01/24	15602.63	15610.00
4	08/01/24	15595.59	15611.97
5	09/01/24	15599.61	15606.69
6	10/01/24	15595.59	15609.71
7	11/01/24	15645.84	15626.69
8	12/01/24	15635.79	15649.38
9	15/01/24	15636.8	15641.84
10	16/01/24	15632.77	15642.60
11	17/01/24	15669.96	15649.58
12	18/01/24	15717.19	15727.99
13	19/01/24	15708.15	15710.00
14	22/01/24	15706.14	15710.90
15	23/01/24	15705.14	15710.33
16	24/01/24	15734.28	15730.04
17	25/01/24	15797.59	15777.75
18	26/01/24	15845.83	15809.60
19	29/01/24	15908.15	15880.00
20	30/01/24	15904.13	15894.08
21	31/01/24	15874.98	15882.07
22	01/02/24	15882.01	15887.49
23	02/02/24	15853.88	15881.01
24	05/02/24	15766.44	15770.00
25	06/02/24	15783.52	15780.00
26	07/02/24	15812.67	15830.00
27	12/02/24	15763.42	15730.00
28	13/02/24	15690.06	15740.00
29	15/02/24	15662.92	15685.73
30	16/02/24	15684.03	15706.58
31	19/02/24	15732.27	15730.00
32	20/02/24	15708.15	15727.47
33	21/02/24	15737.3	15730.90

Lanjutan Lampiran 11

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
34	22/02/24	15736.29	15748.19
35	23/02/24	15708.15	15728.04
36	26/02/24	15666.94	15690.90
37	27/02/24	15713.17	15727.39
38	28/02/24	15733.27	15730.00
39	29/02/24	15751.36	15757.61
40	01/03/24	15793.58	15790.00
41	04/03/24	15774.48	15778.93
42	05/03/24	15801.61	15820.00
43	06/03/24	15834.78	15810.27
44	07/03/24	15801.61	15830.00
45	08/03/24	15736.29	15760.27
46	13/03/24	15681.01	15718.04
47	14/03/24	15653.88	15690.00
48	15/03/24	15659.91	15694.78
49	18/03/24	15702.12	15715.98
50	19/03/24	15750.36	15739.18
51	20/03/24	15790.56	15790.00
52	21/03/24	15805.64	15788.43
53	22/03/24	15740.31	15760.94
54	25/03/24	15851.86	15808.62
55	26/03/24	15873.98	15830.00
56	27/03/24	15875.99	15886.99
57	28/03/24	15932.26	15918.00
58	01/04/24	15952.36	15970.00
59	02/04/24	15988.55	16130.00
60	03/04/24	16013.67	16010.00
61	04/04/24	16002.61	15990.00
62	05/04/24	15986.53	15970.00
63	16/04/24	15952.36	15980.00
64	17/04/24	16256.88	16270.00
65	18/04/24	16321.2	16241.51
66	19/04/24	16257.89	16280.87

Lanjutan Lampiran 11

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
67	22/04/24	16361.4	16274.06
68	23/04/24	16305.12	16268.38
69	24/04/24	16325.22	16263.65
70	25/04/24	16241.81	16249.71
71	26/04/24	16289.04	16270.00
72	29/04/24	-	16280.87
73	30/04/24	-	16274.06
74	02/05/24	-	16268.38
75	03/05/24	-	16263.65

Lampiran 12 Percentage Change Data Training

t	Tanggal	Data Aktual (Rp)	Per. Change (%)
1	26/04/23	14929.27	-
2	27/04/23	14956.41	0.182
3	28/04/23	14824.75	-0.880
4	02/05/23	14734.31	-0.610
5	03/05/23	14776.51	0.286
6	04/05/23	14779.53	0.020
7	05/05/23	14705.16	-0.503
8	08/05/23	14747.37	0.287
9	09/05/23	14782.55	0.239
10	10/05/23	14830.78	0.326
11	11/05/23	14819.73	-0.075
12	12/05/23	14795.61	-0.163
13	15/05/23	14825.76	0.204
14	16/05/23	14886.06	0.407
15	17/05/23	14884.05	-0.014
16	19/05/23	14949.38	0.439
17	22/05/23	15010.68	0.410
18	23/05/23	14971.49	-0.261
19	24/05/23	14952.39	-0.128
20	25/05/23	14979.52	0.181
21	26/05/23	15026.76	0.315
22	29/05/23	15033.8	0.047
23	30/05/23	15047.86	0.094
24	31/05/23	15043.84	-0.027
25	05/06/23	15078.01	0.227
26	06/06/23	14962.44	-0.766
27	07/06/23	14913.19	-0.329
28	08/06/23	14949.38	0.243
29	09/06/23	14977.51	0.188
30	12/06/23	14927.26	-0.336
31	13/06/23	14948.37	0.141
32	14/06/23	14942.34	-0.040
33	15/06/23	14969.48	0.182

Lanjutan Lampiran 12

t	Tanggal	Data Aktual (Rp)	Per. Change (%)
34	16/06/23	15017.72	0.322
35	19/06/23	15019.73	0.013
36	20/06/23	15068.97	0.328
37	21/06/23	15115.2	0.307
38	22/06/23	15056.91	-0.386
39	23/06/23	14992.59	-0.427
40	26/06/23	15072.99	0.536
41	27/06/23	15101.13	0.187
42	03/07/23	15075	-0.173
43	04/07/23	15109.17	0.227
44	05/07/23	15093.09	-0.106
45	06/07/23	15088.07	-0.033
46	07/07/23	15137.31	0.326
47	10/07/23	15211.68	0.491
48	11/07/23	15267.96	0.370
49	12/07/23	15237.81	-0.197
50	13/07/23	15159.42	-0.514
51	14/07/23	15052.89	-0.703
52	17/07/23	15019.73	-0.220
53	18/07/23	15082.03	0.415
54	20/07/23	15068.97	-0.087
55	21/07/23	15065.95	-0.020
56	24/07/23	15101.13	0.234
57	25/07/23	15103.14	0.013
58	26/07/23	15082.03	-0.140
59	27/07/23	15107.16	0.167
60	28/07/23	15078.01	-0.193
61	31/07/23	15158.42	0.533
62	01/08/23	15167.46	0.060
63	02/08/23	15192.58	0.166
64	03/08/23	15246.85	0.357
65	04/08/23	15273.99	0.178
66	07/08/23	15243.84	-0.197

Lanjutan Lampiran 12

t	Tanggal	Data Aktual (Rp)	Per. Change (%)
67	08/08/23	15253.89	0.066
68	09/08/23	15305.15	0.336
69	10/08/23	15282.03	-0.151
70	11/08/23	15280.02	-0.013
71	14/08/23	15301.13	0.138
72	15/08/23	15399.61	0.644
73	16/08/23	15422.73	0.150
74	18/08/23	15384.54	-0.248
75	21/08/23	15384.54	0.000
76	22/08/23	15405.65	0.137
77	23/08/23	15402.63	-0.020
78	24/08/23	15395.59	-0.046
79	25/08/23	15329.26	-0.431
80	28/08/23	15373.49	0.289
81	29/08/23	15370.47	-0.020
82	30/08/23	15339.32	-0.203
83	31/08/23	15315.19	-0.157
84	01/09/23	15313.18	-0.013
85	04/09/23	15328.26	0.098
86	05/09/23	15323.24	-0.033
87	06/09/23	15336.3	0.085
88	07/09/23	15383.53	0.308
89	08/09/23	15410.67	0.176
90	11/09/23	15417.7	0.046
91	12/09/23	15428.76	0.072
92	13/09/23	15420.72	-0.052
93	14/09/23	15443.83	0.150
94	15/09/23	15433.78	-0.065
95	18/09/23	15443.83	0.065
96	19/09/23	15449.86	0.039
97	20/09/23	15457.91	0.052
98	21/09/23	15472.98	0.097
99	22/09/23	15473.99	0.007

Lanjutan Lampiran 12

t	Tanggal	Data Aktual (Rp)	Per. Change (%)
100	25/09/23	15459.92	-0.091
101	26/09/23	15476	0.104
102	27/09/23	15541.32	0.422
103	29/09/23	15603.63	0.401
104	02/10/23	15564.43	-0.251
105	03/10/23	15596.59	0.207
106	04/10/23	15678	0.522
107	05/10/23	15714.18	0.231
108	06/10/23	15679	-0.224
109	09/10/23	15706.14	0.173
110	10/10/23	15753.38	0.301
111	11/10/23	15786.54	0.210
112	12/10/23	15788.55	0.013
113	13/10/23	15780.51	-0.051
114	16/10/23	15787.55	0.045
115	17/10/23	15794.58	0.045
116	18/10/23	15796.59	0.013
117	19/10/23	15809.66	0.083
118	20/10/23	15917.19	0.680
119	23/10/23	15935.28	0.114
120	24/10/23	16022.72	0.549
121	25/10/23	15948.34	-0.464
122	26/10/23	15950.35	0.013
123	27/10/23	16012.67	0.391
124	30/10/23	16020.7	0.050
125	31/10/23	15995.58	-0.157
126	01/11/23	15976.49	-0.119
127	02/11/23	16025.73	0.308
128	03/11/23	15940.31	-0.533
129	06/11/23	15849.85	-0.567
130	07/11/23	15627.75	-1.401
131	08/11/23	15670.97	0.277
132	09/11/23	15707.15	0.231

Lanjutan Lampiran 12

t	Tanggal	Data Aktual (Rp)	Per. Change (%)
133	10/11/23	15727.25	0.128
134	13/11/23	15771.47	0.281
135	14/11/23	15791.57	0.127
136	15/11/23	15777.5	-0.089
137	16/11/23	15580.51	-1.249
138	17/11/23	15672.98	0.593
139	20/11/23	15581.52	-0.584
140	21/11/23	15496.09	-0.548
141	22/11/23	15513.18	0.110
142	23/11/23	15661.92	0.959
143	24/11/23	15670.97	0.058
144	27/11/23	15664.93	-0.039
145	28/11/23	15604.64	-0.385
146	29/11/23	15527.25	-0.496
147	30/11/23	15460.92	-0.427
148	01/12/23	15561.42	0.650
149	04/12/23	15601.62	0.258
150	05/12/23	15523.23	-0.502
151	06/12/23	15581.52	0.376
152	07/12/23	15581.52	0.000
153	08/12/23	15613.68	0.206
154	11/12/23	15577.5	-0.232
155	12/12/23	15692.07	0.735
156	13/12/23	15709.16	0.109
157	14/12/23	15707.15	-0.013
158	15/12/23	15570.47	-0.870
159	18/12/23	15580.51	0.064
160	19/12/23	15593.58	0.084
161	20/12/23	15583.53	-0.064
162	21/12/23	15589.56	0.039
163	22/12/23	15610.67	0.135
164	27/12/23	15566.44	-0.283
165	28/12/23	15491.07	-0.484

Lanjutan Lampiran 12

t	Tanggal	Data Aktual (Rp)	<i>Per. Change (%)</i>
166	29/12/23	15493.08	0.013
167	02/01/24	15516.19	0.149

Lampiran 13 Interval Fuzzy Data Training

	Interval Fuzzy	Nilai Tengah
u_1	[-1.401 ; -1.106]	-1.254
u_2	[-1.106 ; -0.811]	-0.959
u_3	[-0.811 ; -0.713]	-0.762
u_4	[-0.713 ; -0.615]	-0.664
u_5	[-0.615 ; -0.516]	-0.565
u_6	[-0.516 ; -0.457]	-0.487
u_7	[-0.457 ; -0.398]	-0.428
u_8	[-0.398 ; -0.339]	-0.369
u_9	[-0.339 ; -0.280]	-0.310
u_{10}	[-0.280 ; -0.221]	-0.251
u_{11}	[-0.221 ; -0.179]	-0.200
u_{12}	[-0.179 ; -0.137]	-0.158
u_{13}	[-0.137 ; -0.095]	-0.116
u_{14}	[-0.095 ; -0.053]	-0.074
u_{15}	[-0.053 ; -0.011]	-0.032
u_{16}	[-0.011 ; 0.032]	0.011
u_{17}	[0.032 ; 0.074]	0.053
u_{18}	[0.074 ; 0.123]	0.098
u_{19}	[0.123 ; 0.172]	0.148
u_{20}	[0.172 ; 0.221]	0.197
u_{21}	[0.221 ; 0.270]	0.246
u_{22}	[0.270 ; 0.320]	0.295
u_{23}	[0.320 ; 0.369]	0.344
u_{24}	[0.369 ; 0.443]	0.406
u_{25}	[0.443 ; 0.516]	0.479
u_{26}	[0.516 ; 0.590]	0.553
u_{27}	[0.590 ; 0.664]	0.627
u_{28}	[0.664 ; 0.811]	0.738
u_{29}	[0.811 ; 0.959]	0.885

Lampiran 14 Fuzzifikasi Percentage Change Data Training

t	Per. Change (%)	Fuzzifikasi	t	Per. Change (%)	Fuzzifikasi
1	-	-	34	0.322	A_{23}
2	0.182	A_{20}	35	0.013	A_{16}
3	-0.880	A_2	36	0.328	A_{23}
4	-0.610	A_5	37	0.307	A_{22}
5	0.286	A_{22}	38	-0.386	A_8
6	0.020	A_{16}	39	-0.427	A_7
7	-0.503	A_6	40	0.536	A_{26}
8	0.287	A_{22}	41	0.187	A_{20}
9	0.239	A_{21}	42	-0.173	A_{12}
10	0.326	A_{23}	43	0.227	A_{21}
11	-0.075	A_{14}	44	-0.106	A_{13}
12	-0.163	A_{12}	45	-0.033	A_{15}
13	0.204	A_{20}	46	0.326	A_{23}
14	0.407	A_{24}	47	0.491	A_{25}
15	-0.014	A_{15}	48	0.370	A_{24}
16	0.439	A_{24}	49	-0.197	A_{11}
17	0.410	A_{24}	50	-0.514	A_6
18	-0.261	A_{10}	51	-0.703	A_4
19	-0.128	A_{13}	52	-0.220	A_{11}
20	0.181	A_{20}	53	0.415	A_{24}
21	0.315	A_{22}	54	-0.087	A_{14}
22	0.047	A_{17}	55	-0.020	A_{15}
23	0.094	A_{18}	56	0.234	A_{21}
24	-0.027	A_{15}	57	0.013	A_{16}
25	0.227	A_{21}	58	-0.140	A_{12}
26	-0.766	A_3	59	0.167	A_{19}
27	-0.329	A_9	60	-0.193	A_{11}
28	0.243	A_{21}	61	0.533	A_{26}
29	0.188	A_{20}	62	0.060	A_{17}
30	-0.336	A_9	63	0.166	A_{19}
31	0.141	A_{19}	64	0.357	A_{23}
32	-0.040	A_{15}	65	0.178	A_{20}
33	0.182	A_{20}	66	-0.197	A_{11}

Lanjutan Lampiran 14

t	Per. Change (%)	Fuzzifikasi	t	Per. Change (%)	Fuzzifikasi
67	0.066	A_{17}	100	-0.091	A_{14}
68	0.336	A_{23}	101	0.104	A_{18}
69	-0.151	A_{12}	102	0.422	A_{24}
70	-0.013	A_{15}	103	0.401	A_{24}
71	0.138	A_{19}	104	-0.251	A_{10}
72	0.644	A_{27}	105	0.207	A_{20}
73	0.150	A_{19}	106	0.522	A_{26}
74	-0.248	A_{10}	107	0.231	A_{21}
75	0.000	A_{16}	108	-0.224	A_{10}
76	0.137	A_{19}	109	0.173	A_{20}
77	-0.020	A_{15}	110	0.301	A_{22}
78	-0.046	A_{15}	111	0.210	A_{20}
79	-0.431	A_7	112	0.013	A_{16}
80	0.289	A_{22}	113	-0.051	A_{15}
81	-0.020	A_{15}	114	0.045	A_{17}
82	-0.203	A_{11}	115	0.045	A_{17}
83	-0.157	A_{12}	116	0.013	A_{16}
84	-0.013	A_{15}	117	0.083	A_{18}
85	0.098	A_{18}	118	0.680	A_{28}
86	-0.033	A_{15}	119	0.114	A_{18}
87	0.085	A_{18}	120	0.549	A_{26}
88	0.308	A_{22}	121	-0.464	A_6
89	0.176	A_{20}	122	0.013	A_{16}
90	0.046	A_{17}	123	0.391	A_{24}
91	0.072	A_{17}	124	0.050	A_{17}
92	-0.052	A_{15}	125	-0.157	A_{12}
93	0.150	A_{19}	126	-0.119	A_{13}
94	-0.065	A_{14}	127	0.308	A_{22}
95	0.065	A_{17}	128	-0.533	A_5
96	0.039	A_{17}	129	-0.567	A_5
97	0.052	A_{17}	130	-1.401	A_1
98	0.097	A_{18}	131	0.277	A_{22}
99	0.007	A_{16}	132	0.231	A_{21}

Lanjutan Lampiran 14

t	Per. Change (%)	Fuzzifikasi	t	Per. Change (%)	Fuzzifikasi
133	0.128	A_{19}	151	0.376	A_{24}
134	0.281	A_{22}	152	0.000	A_{16}
135	0.127	A_{19}	153	0.206	A_{20}
136	-0.089	A_{14}	154	-0.232	A_{10}
137	-1.249	A_1	155	0.735	A_{28}
138	0.593	A_{27}	156	0.109	A_{18}
139	-0.584	A_5	157	-0.013	A_{15}
140	-0.548	A_5	158	-0.870	A_2
141	0.110	A_{18}	159	0.064	A_{17}
142	0.959	A_{29}	160	0.084	A_{18}
143	0.058	A_{17}	161	-0.064	A_{14}
144	-0.039	A_{15}	162	0.039	A_{17}
145	-0.385	A_8	163	0.135	A_{19}
146	-0.496	A_6	164	-0.283	A_9
147	-0.427	A_7	165	-0.484	A_6
148	0.650	A_{27}	166	0.013	A_{16}
149	0.258	A_{21}	167	0.149	A_{19}
150	-0.502	A_6			

Lampiran 15 FLR Data Training

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
1	-	-	34	A_{23}	$A_{20} \rightarrow A_{23}$
2	A_{20}	-	35	A_{16}	$A_{23} \rightarrow A_{16}$
3	A_2	$A_{20} \rightarrow A_2$	36	A_{23}	$A_{16} \rightarrow A_{23}$
4	A_5	$A_2 \rightarrow A_5$	37	A_{22}	$A_{23} \rightarrow A_{22}$
5	A_{22}	$A_5 \rightarrow A_{22}$	38	A_8	$A_{22} \rightarrow A_8$
6	A_{16}	$A_{22} \rightarrow A_{16}$	39	A_7	$A_8 \rightarrow A_7$
7	A_6	$A_{16} \rightarrow A_6$	40	A_{26}	$A_7 \rightarrow A_{26}$
8	A_{22}	$A_6 \rightarrow A_{22}$	41	A_{20}	$A_{26} \rightarrow A_{20}$
9	A_{21}	$A_{22} \rightarrow A_{21}$	42	A_{12}	$A_{20} \rightarrow A_{12}$
10	A_{23}	$A_{21} \rightarrow A_{23}$	43	A_{21}	$A_{12} \rightarrow A_{21}$
11	A_{14}	$A_{23} \rightarrow A_{14}$	44	A_{13}	$A_{21} \rightarrow A_{13}$
12	A_{12}	$A_{14} \rightarrow A_{12}$	45	A_{15}	$A_{13} \rightarrow A_{15}$
13	A_{20}	$A_{12} \rightarrow A_{20}$	46	A_{23}	$A_{15} \rightarrow A_{23}$
14	A_{24}	$A_{20} \rightarrow A_{24}$	47	A_{25}	$A_{23} \rightarrow A_{25}$
15	A_{15}	$A_{24} \rightarrow A_{15}$	48	A_{24}	$A_{25} \rightarrow A_{24}$
16	A_{24}	$A_{15} \rightarrow A_{24}$	49	A_{11}	$A_{24} \rightarrow A_{11}$
17	A_{24}	$A_{24} \rightarrow A_{24}$	50	A_6	$A_{11} \rightarrow A_6$
18	A_{10}	$A_{24} \rightarrow A_{10}$	51	A_4	$A_6 \rightarrow A_4$
19	A_{13}	$A_{10} \rightarrow A_{13}$	52	A_{11}	$A_4 \rightarrow A_{11}$
20	A_{20}	$A_{13} \rightarrow A_{20}$	53	A_{24}	$A_{11} \rightarrow A_{24}$
21	A_{22}	$A_{20} \rightarrow A_{22}$	54	A_{14}	$A_{24} \rightarrow A_{14}$
22	A_{17}	$A_{22} \rightarrow A_{17}$	55	A_{15}	$A_{14} \rightarrow A_{15}$
23	A_{18}	$A_{17} \rightarrow A_{18}$	56	A_{21}	$A_{15} \rightarrow A_{21}$
24	A_{15}	$A_{18} \rightarrow A_{15}$	57	A_{16}	$A_{21} \rightarrow A_{16}$
25	A_{21}	$A_{15} \rightarrow A_{21}$	58	A_{12}	$A_{16} \rightarrow A_{12}$
26	A_3	$A_{21} \rightarrow A_3$	59	A_{19}	$A_{12} \rightarrow A_{19}$
27	A_9	$A_3 \rightarrow A_9$	60	A_{11}	$A_{19} \rightarrow A_{11}$
28	A_{21}	$A_9 \rightarrow A_{21}$	61	A_{26}	$A_{11} \rightarrow A_{26}$
29	A_{20}	$A_{21} \rightarrow A_{20}$	62	A_{17}	$A_{26} \rightarrow A_{17}$
30	A_9	$A_{20} \rightarrow A_9$	63	A_{19}	$A_{17} \rightarrow A_{19}$
31	A_{19}	$A_9 \rightarrow A_{19}$	64	A_{23}	$A_{19} \rightarrow A_{23}$
32	A_{15}	$A_{19} \rightarrow A_{15}$	65	A_{20}	$A_{23} \rightarrow A_{20}$
33	A_{20}	$A_{15} \rightarrow A_{20}$	66	A_{11}	$A_{20} \rightarrow A_{11}$

Lanjutan Lampiran 15

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
67	A_{17}	$A_{11} \rightarrow A_{17}$	100	A_{14}	$A_{16} \rightarrow A_{14}$
68	A_{23}	$A_{17} \rightarrow A_{23}$	101	A_{18}	$A_{14} \rightarrow A_{18}$
69	A_{12}	$A_{23} \rightarrow A_{12}$	102	A_{24}	$A_{18} \rightarrow A_{24}$
70	A_{15}	$A_{12} \rightarrow A_{15}$	103	A_{24}	$A_{24} \rightarrow A_{24}$
71	A_{19}	$A_{15} \rightarrow A_{19}$	104	A_{10}	$A_{24} \rightarrow A_{10}$
72	A_{27}	$A_{19} \rightarrow A_{27}$	105	A_{20}	$A_{10} \rightarrow A_{20}$
73	A_{19}	$A_{27} \rightarrow A_{19}$	106	A_{26}	$A_{20} \rightarrow A_{26}$
74	A_{10}	$A_{19} \rightarrow A_{10}$	107	A_{21}	$A_{26} \rightarrow A_{21}$
75	A_{16}	$A_{10} \rightarrow A_{16}$	108	A_{10}	$A_{21} \rightarrow A_{10}$
76	A_{19}	$A_{16} \rightarrow A_{19}$	109	A_{20}	$A_{10} \rightarrow A_{20}$
77	A_{15}	$A_{19} \rightarrow A_{15}$	110	A_{22}	$A_{20} \rightarrow A_{22}$
78	A_{15}	$A_{15} \rightarrow A_{15}$	111	A_{20}	$A_{22} \rightarrow A_{20}$
79	A_7	$A_{15} \rightarrow A_7$	112	A_{16}	$A_{20} \rightarrow A_{16}$
80	A_{22}	$A_7 \rightarrow A_{22}$	113	A_{15}	$A_{16} \rightarrow A_{15}$
81	A_{15}	$A_{22} \rightarrow A_{15}$	114	A_{17}	$A_{15} \rightarrow A_{17}$
82	A_{11}	$A_{15} \rightarrow A_{11}$	115	A_{17}	$A_{17} \rightarrow A_{17}$
83	A_{12}	$A_{11} \rightarrow A_{12}$	116	A_{16}	$A_{17} \rightarrow A_{16}$
84	A_{15}	$A_{12} \rightarrow A_{15}$	117	A_{18}	$A_{16} \rightarrow A_{18}$
85	A_{18}	$A_{15} \rightarrow A_{18}$	118	A_{28}	$A_{18} \rightarrow A_{28}$
86	A_{15}	$A_{18} \rightarrow A_{15}$	119	A_{18}	$A_{28} \rightarrow A_{18}$
87	A_{18}	$A_{15} \rightarrow A_{18}$	120	A_{26}	$A_{18} \rightarrow A_{26}$
88	A_{22}	$A_{18} \rightarrow A_{22}$	121	A_6	$A_{26} \rightarrow A_6$
89	A_{20}	$A_{22} \rightarrow A_{20}$	122	A_{16}	$A_6 \rightarrow A_{16}$
90	A_{17}	$A_{20} \rightarrow A_{17}$	123	A_{24}	$A_{16} \rightarrow A_{24}$
91	A_{17}	$A_{17} \rightarrow A_{17}$	124	A_{17}	$A_{24} \rightarrow A_{17}$
92	A_{15}	$A_{17} \rightarrow A_{15}$	125	A_{12}	$A_{17} \rightarrow A_{12}$
93	A_{19}	$A_{15} \rightarrow A_{19}$	126	A_{13}	$A_{12} \rightarrow A_{13}$
94	A_{14}	$A_{19} \rightarrow A_{14}$	127	A_{22}	$A_{13} \rightarrow A_{22}$
95	A_{17}	$A_{14} \rightarrow A_{17}$	128	A_5	$A_{22} \rightarrow A_5$
96	A_{17}	$A_{17} \rightarrow A_{17}$	129	A_5	$A_5 \rightarrow A_5$
97	A_{17}	$A_{17} \rightarrow A_{17}$	130	A_1	$A_5 \rightarrow A_1$
98	A_{18}	$A_{17} \rightarrow A_{18}$	131	A_{22}	$A_1 \rightarrow A_{22}$
99	A_{16}	$A_{18} \rightarrow A_{16}$	132	A_{21}	$A_{22} \rightarrow A_{21}$

Lanjutan Lampiran 15

t	Fuzzifikasi	FLR	t	Fuzzifikasi	FLR
133	A_{19}	$A_{21} \rightarrow A_{19}$	151	A_{24}	$A_6 \rightarrow A_{24}$
134	A_{22}	$A_{19} \rightarrow A_{22}$	152	A_{16}	$A_{24} \rightarrow A_{16}$
135	A_{19}	$A_{22} \rightarrow A_{19}$	153	A_{20}	$A_{16} \rightarrow A_{20}$
136	A_{14}	$A_{19} \rightarrow A_{14}$	154	A_{10}	$A_{20} \rightarrow A_{10}$
137	A_1	$A_{14} \rightarrow A_1$	155	A_{28}	$A_{10} \rightarrow A_{28}$
138	A_{27}	$A_1 \rightarrow A_{27}$	156	A_{18}	$A_{28} \rightarrow A_{18}$
139	A_5	$A_{27} \rightarrow A_5$	157	A_{15}	$A_{18} \rightarrow A_{15}$
140	A_5	$A_5 \rightarrow A_5$	158	A_2	$A_{15} \rightarrow A_2$
141	A_{18}	$A_5 \rightarrow A_{18}$	159	A_{17}	$A_2 \rightarrow A_{17}$
142	A_{29}	$A_{18} \rightarrow A_{29}$	160	A_{18}	$A_{17} \rightarrow A_{18}$
143	A_{17}	$A_{29} \rightarrow A_{17}$	161	A_{14}	$A_{18} \rightarrow A_{14}$
144	A_{15}	$A_{17} \rightarrow A_{15}$	162	A_{17}	$A_{14} \rightarrow A_{17}$
145	A_8	$A_{15} \rightarrow A_8$	163	A_{19}	$A_{17} \rightarrow A_{19}$
146	A_6	$A_8 \rightarrow A_6$	164	A_9	$A_{19} \rightarrow A_9$
147	A_7	$A_6 \rightarrow A_7$	165	A_6	$A_9 \rightarrow A_6$
148	A_{27}	$A_7 \rightarrow A_{27}$	166	A_{16}	$A_6 \rightarrow A_{16}$
149	A_{21}	$A_{27} \rightarrow A_{21}$	167	A_{19}	$A_{16} \rightarrow A_{19}$
150	A_6	$A_{21} \rightarrow A_6$			

Lampiran 16 *Prediksi Percentage Change Data Training*

Himpunan Fuzzy	Prediksi Per. Change
A_1	-1.137
A_2	-0.953
A_3	-0.773
A_4	-0.656
A_5	-0.564
A_6	-0.487
A_7	-0.424
A_8	-0.364
A_9	-0.304
A_{10}	-0.247
A_{11}	-0.197
A_{12}	-0.152
A_{13}	-0.108
A_{14}	-0.059
A_{15}	0.224
A_{16}	0.023
A_{17}	0.028
A_{18}	0.087
A_{19}	0.139
A_{20}	0.190
A_{21}	0.241
A_{22}	0.291
A_{23}	0.343
A_{24}	0.403
A_{25}	0.474
A_{26}	0.548
A_{27}	0.630
A_{28}	0.736
A_{29}	0.830

Lampiran 17 Defuzzifikasi Data Training

t	Fuzzifikasi	Defuzzifikasi	t	Fuzzifikasi	Defuzzifikasi
1	-	-	34	A_{23}	0.343
2	A_{20}	0.190	35	A_{16}	0.023
3	A_2	-0.953	36	A_{23}	0.343
4	A_5	-0.564	37	A_{22}	0.291
5	A_{22}	0.291	38	A_8	-0.364
6	A_{16}	0.023	39	A_7	-0.424
7	A_6	-0.487	40	A_{26}	0.548
8	A_{22}	0.291	41	A_{20}	0.190
9	A_{21}	0.241	42	A_{12}	-0.152
10	A_{23}	0.343	43	A_{21}	0.241
11	A_{14}	-0.059	44	A_{13}	-0.108
12	A_{12}	-0.152	45	A_{15}	0.224
13	A_{20}	0.190	46	A_{23}	0.343
14	A_{24}	0.403	47	A_{25}	0.474
15	A_{15}	0.224	48	A_{24}	0.403
16	A_{24}	0.403	49	A_{11}	-0.197
17	A_{24}	0.403	50	A_6	-0.487
18	A_{10}	-0.247	51	A_4	-0.656
19	A_{13}	-0.108	52	A_{11}	-0.197
20	A_{20}	0.190	53	A_{24}	0.403
21	A_{22}	0.291	54	A_{14}	-0.059
22	A_{17}	0.028	55	A_{15}	0.224
23	A_{18}	0.087	56	A_{21}	0.241
24	A_{15}	0.224	57	A_{16}	0.023
25	A_{21}	0.241	58	A_{12}	-0.152
26	A_3	-0.773	59	A_{19}	0.139
27	A_9	-0.304	60	A_{11}	-0.197
28	A_{21}	0.241	61	A_{26}	0.548
29	A_{20}	0.190	62	A_{17}	0.028
30	A_9	-0.304	63	A_{19}	0.139
31	A_{19}	0.139	64	A_{23}	0.343
32	A_{15}	0.224	65	A_{20}	0.190
33	A_{20}	0.190	66	A_{11}	-0.197

Lanjutan Lampiran 17

t	Fuzzifikasi	Defuzzifikasi	t	Fuzzifikasi	Defuzzifikasi
67	A_{17}	0.028	100	A_{14}	-0.059
68	A_{23}	0.343	101	A_{18}	0.087
69	A_{12}	-0.152	102	A_{24}	0.403
70	A_{15}	0.224	103	A_{24}	0.403
71	A_{19}	0.139	104	A_{10}	-0.247
72	A_{27}	0.630	105	A_{20}	0.190
73	A_{19}	0.139	106	A_{26}	0.548
74	A_{10}	-0.247	107	A_{21}	0.241
75	A_{16}	0.023	108	A_{10}	-0.247
76	A_{19}	0.139	109	A_{20}	0.190
77	A_{15}	0.224	110	A_{22}	0.291
78	A_{15}	0.224	111	A_{20}	0.190
79	A_7	-0.424	112	A_{16}	0.023
80	A_{22}	0.291	113	A_{15}	0.224
81	A_{15}	0.224	114	A_{17}	0.028
82	A_{11}	-0.197	115	A_{17}	0.028
83	A_{12}	-0.152	116	A_{16}	0.023
84	A_{15}	0.224	117	A_{18}	0.087
85	A_{18}	0.087	118	A_{28}	0.736
86	A_{15}	0.224	119	A_{18}	0.087
87	A_{18}	0.087	120	A_{26}	0.548
88	A_{22}	0.291	121	A_6	-0.487
89	A_{20}	0.190	122	A_{16}	0.023
90	A_{17}	0.028	123	A_{24}	0.403
91	A_{17}	0.028	124	A_{17}	0.028
92	A_{15}	0.224	125	A_{12}	-0.152
93	A_{19}	0.139	126	A_{13}	-0.108
94	A_{14}	-0.059	127	A_{22}	0.291
95	A_{17}	0.028	128	A_5	-0.564
96	A_{17}	0.028	129	A_5	-0.564
97	A_{17}	0.028	130	A_1	-1.137
98	A_{18}	0.087	131	A_{22}	0.291
99	A_{16}	0.023	132	A_{21}	0.241

Lanjutan Lampiran 17

t	Fuzzifikasi	Defuzzifikasi	t	Fuzzifikasi	Defuzzifikasi
133	A_{19}	0.139	151	A_{24}	0.403
134	A_{22}	0.291	152	A_{16}	0.023
135	A_{19}	0.139	153	A_{20}	0.190
136	A_{14}	-0.059	154	A_{10}	-0.247
137	A_1	-1.137	155	A_{28}	0.736
138	A_{27}	0.630	156	A_{18}	0.087
139	A_5	-0.564	157	A_{15}	0.224
140	A_5	-0.564	158	A_2	-0.953
141	A_{18}	0.087	159	A_{17}	0.028
142	A_{29}	0.830	160	A_{18}	0.087
143	A_{17}	0.028	161	A_{14}	-0.059
144	A_{15}	0.224	162	A_{17}	0.028
145	A_8	-0.364	163	A_{19}	0.139
146	A_6	-0.487	164	A_9	-0.304
147	A_7	-0.424	165	A_6	-0.487
148	A_{27}	0.630	166	A_{16}	0.023
149	A_{21}	0.241	167	A_{19}	0.139
150	A_6	-0.487			

Lampiran 18 Hasil Peramalan Data *Training* dengan Metode FTS Saxena Easo

t	Data Aktual (Rp)	Peramalan (Rp)	t	Data Aktual (Rp)	Peramalan (Rp)
1	14929.27	-	34	15017.72	15021
2	14956.41	14958	35	15019.73	15021
3	14824.75	14814	36	15068.97	15071
4	14734.31	14741	37	15115.2	15113
5	14776.51	14777	38	15056.91	15060
6	14779.53	14780	39	14992.59	14993
7	14705.16	14708	40	15072.99	15075
8	14747.37	14748	41	15101.13	15102
9	14782.55	14783	42	15075	15078
10	14830.78	14833	43	15109.17	15111
11	14819.73	14822	44	15093.09	15093
12	14795.61	14797	45	15088.07	15127
13	14825.76	14824	46	15137.31	15140
14	14886.06	14886	47	15211.68	15209
15	14884.05	14919	48	15267.96	15273
16	14949.38	14944	49	15237.81	15238
17	15010.68	15010	50	15159.42	15164
18	14971.49	14974	51	15052.89	15060
19	14952.39	14955	52	15019.73	15023
20	14979.52	14981	53	15082.03	15080
21	15026.76	15023	54	15068.97	15073
22	15033.8	15031	55	15065.95	15103
23	15047.86	15047	56	15101.13	15102
24	15043.84	15082	57	15103.14	15105
25	15078.01	15080	58	15082.03	15080
26	14962.44	14961	59	15107.16	15103
27	14913.19	14917	60	15078.01	15077
28	14949.38	14949	61	15158.42	15161
29	14977.51	14978	62	15167.46	15163
30	14927.26	14932	63	15192.58	15189
31	14948.37	14948	64	15246.85	15245
32	14942.34	14982	65	15273.99	15276
33	14969.48	14971	66	15243.84	15244

Lanjutan Lampiran 18

t	Data Aktual (Rp)	Peramalan (Rp)	t	Data Aktual (Rp)	Peramalan (Rp)
67	15253.89	15248	100	15459.92	15465
68	15305.15	15306	101	15476	15473
69	15282.03	15282	102	15541.32	15538
70	15280.02	15316	103	15603.63	15604
71	15301.13	15301	104	15564.43	15565
72	15399.61	15397	105	15596.59	15594
73	15422.73	15421	106	15678	15682
74	15384.54	15385	107	15714.18	15716
75	15384.54	15388	108	15679	15675
76	15405.65	15406	109	15706.14	15709
77	15402.63	15440	110	15753.38	15752
78	15395.59	15437	111	15786.54	15783
79	15329.26	15330	112	15788.55	15790
80	15373.49	15374	113	15780.51	15824
81	15370.47	15408	114	15787.55	15785
82	15339.32	15340	115	15794.58	15792
83	15315.19	15316	116	15796.59	15798
84	15313.18	15349	117	15809.66	15810
85	15328.26	15326	118	15917.19	15926
86	15323.24	15363	119	15935.28	15931
87	15336.3	15337	120	16022.72	16023
88	15383.53	15381	121	15948.34	15945
89	15410.67	15413	122	15950.35	15952
90	15417.7	15415	123	16012.67	16015
91	15428.76	15422	124	16020.7	16017
92	15420.72	15463	125	15995.58	15996
93	15443.83	15442	126	15976.49	15978
94	15433.78	15435	127	16025.73	16023
95	15443.83	15438	128	15940.31	15935
96	15449.86	15448	129	15849.85	15850
97	15457.91	15454	130	15627.75	15670
98	15472.98	15471	131	15670.97	15673
99	15473.99	15476	132	15707.15	15709

Lanjutan Lampiran 18

t	Data Aktual (Rp)	Peramalan (Rp)	t	Data Aktual (Rp)	Peramalan (Rp)
133	15727.25	15729	151	15581.52	15586
134	15771.47	15773	152	15581.52	15585
135	15791.57	15793	153	15613.68	15611
136	15777.5	15782	154	15577.5	15575
137	15580.51	15598	155	15692.07	15692
138	15672.98	15679	156	15709.16	15706
139	15581.52	15585	157	15707.15	15744
140	15496.09	15494	158	15570.47	15557
141	15513.18	15510	159	15580.51	15575
142	15661.92	15642	160	15593.58	15594
143	15670.97	15666	161	15583.53	15584
144	15664.93	15706	162	15589.56	15588
145	15604.64	15608	163	15610.67	15611
146	15527.25	15529	164	15566.44	15563
147	15460.92	15461	165	15491.07	15491
148	15561.42	15558	166	15493.08	15495
149	15601.62	15599	167	15516.19	15515
150	15523.23	15526			

Lampiran 19 Hasil Peramalan Data *Testing* dengan Metode FTS *Saxena Easo*

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
1	03/01/24	15550.36	-
2	04/01/24	15572.48	15566.97
3	05/01/24	15602.63	15599.80
4	08/01/24	15595.59	15606.69
5	09/01/24	15599.61	15597.16
6	10/01/24	15595.59	15603.67
7	11/01/24	15645.84	15645.41
8	12/01/24	15635.79	15649.91
9	15/01/24	15636.8	15637.36
10	16/01/24	15632.77	15640.87
11	17/01/24	15669.96	15671.37
12	18/01/24	15717.19	15720.02
13	19/01/24	15708.15	15721.28
14	22/01/24	15706.14	15709.73
15	23/01/24	15705.14	15707.72
16	24/01/24	15734.28	15732.70
17	25/01/24	15797.59	15795.83
18	26/01/24	15845.83	15848.06
19	29/01/24	15908.15	15907.82
20	30/01/24	15904.13	15912.29
21	31/01/24	15874.98	15878.40
22	01/02/24	15882.01	15877.63
23	02/02/24	15853.88	15856.32
24	05/02/24	15766.44	15778.66
25	06/02/24	15783.52	15783.28
26	07/02/24	15812.67	15811.22
27	12/02/24	15763.42	15762.10
28	13/02/24	15690.06	15688.62
29	15/02/24	15662.92	15664.68
30	16/02/24	15684.03	15679.65
31	19/02/24	15732.27	15734.14
32	20/02/24	15708.15	15706.82
33	21/02/24	15737.3	15735.71

Lanjutan Lampiran 19

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
34	22/02/24	15736.29	15738.88
35	23/02/24	15708.15	15710.83
36	26/02/24	15666.94	15671.34
37	27/02/24	15713.17	15716.99
38	28/02/24	15733.27	15729.95
39	29/02/24	15751.36	15750.07
40	01/03/24	15793.58	15790.25
41	04/03/24	15774.48	15778.66
42	05/03/24	15801.61	15802.16
43	06/03/24	15834.78	15829.34
44	07/03/24	15801.61	15797.67
45	08/03/24	15736.29	15736.77
46	13/03/24	15681.01	15685.97
47	14/03/24	15653.88	15655.64
48	15/03/24	15659.91	15656.49
49	18/03/24	15702.12	15698.58
50	19/03/24	15750.36	15752.28
51	20/03/24	15790.56	15789.25
52	21/03/24	15805.64	15807.42
53	22/03/24	15740.31	15740.79
54	25/03/24	15851.86	15845.52
55	26/03/24	15873.98	15868.79
56	27/03/24	15875.99	15875.58
57	28/03/24	15932.26	15926.71
58	01/04/24	15952.36	15949.27
59	02/04/24	15988.55	15991.75
60	03/04/24	16013.67	16028.03
61	04/04/24	16002.61	16053.21
62	05/04/24	15986.53	16042.12
63	16/04/24	15952.36	16026.00
64	17/04/24	16256.88	16072.41
65	18/04/24	16321.2	16320.47
66	19/04/24	16257.89	16254.23

Lanjutan Lampiran 19

t	Tanggal	Data Aktual (Rp)	Peramalan (Rp)
67	22/04/24	16361.4	16366.56
68	23/04/24	16305.12	16309.08
69	24/04/24	16325.22	16322.53
70	25/04/24	16241.81	16247.76
71	26/04/24	16289.04	16281.91
72	29/04/24	-	16329.26
73	30/04/24	-	16369.58
74	02/05/24	-	16410.00
75	03/05/24	-	16450.51