

DAFTAR PUSTAKA

- Alwan, L. C., & Roberts, H. V. (1988). Time-series modeling for statistical process control. *Journal of business & economic statistics*, 6(1), 87-95.
- Feigenbaum, A.V. (1991). *Total Quality Control (Third Edition)*. United State of Amerika : R. R. Donn Elley and Sons Company.
- Grant, E. L., & Leavenworth, R. S. (1988). *Pengendalian Mutu Statisti (Edisi ke-6)*. Jakarta: Elangga.
- Mastrangelo, C.M & Montgomery, D.C. (1995). SPC With Correlated Observations For The Chemical And Process Industries. *Quality and reliability engineering international, Vol. 11*, 79-86
- Montgomery, D.C. (1990). *Pengantar pengendalian kualitas Statistik*. Yogyakarta: Universitas Gadjah Mada.
- Montgomery, D.C. (1991). *Statistical Quality Control*. New York: Wilcxey.
- Montgomery, D.C. (2001). *Introduction Statictical Quality Control (4th Edition)*. New York : John Wiley & Sons.
- Montgomery, D.C. (2009). *Introduction Statictical Quality Control (6th Edition)*. New York : John Wiley & Sons.
- Montgomery, D.C. & Mastrangelo, C.M (1991). Some Statistical Process Control Methods for Autocorrelated Data. *Jurnal of Quality Technology*, 23(3),179-193.
- Montgomery, D.C., Jennings, C.L. & Kulahci, M. (2015). *Introduction to time series analysis and foracasting (Second Edition)*. New York : John Wiley & Sons.
- Nembhard, D. A., & Nembhard, H. B. (2000). A Demerits Control Chart For Autocorrelated Data. *Quality Engineering*, 13(2), 179-190.
- Putri E.N.R dan Aksioma, D. F. (2018). Pengendalian Kualitas Kantong Semen di PT. Industri Kemasan Semen Gresik Menggunakan Peta Kendali Demerit dan Fuzzy Demerit. *Jurnal Sains dan Seni ITS*, 7(2), 156-161.

- Rahayu, S. (2009). *Penggunaan Metode Durbin Watson dalam Menyelesaikan Model Regresi yang Mengandung Autokorelasi*. Skripsi. FMIPA, Universitas Sumatera Utara, Medan.
- Ramadhan, D.E. (2019). *Performa Bagan Kendali \bar{X} Klasik Pada Data Berautokorelasi Dengan Menggunakan Ukuran Sampel Besar*. Skripsi. FMIPA, Universitas Hasanuddin, Makassar.
- Ramadhani, G. S., Wilandari, Y., & Suparti, S. (2014). Analisis pengendalian kualitas menggunakan diagram kendali demerit (studi kasus produksi air minum dalam kemasan 240 MI di PT TIW). *Jurnal Gaussian*, 3(3), 401-410.
- Rusdi. (2011). Deteksi Stasioneritas Data Runtun Waktu Melalui Uji Akar-Akar Unit. *Jurnal Sainstek*, 3(1), 78-89.
- Yilmaz, H., & Yanik, S. (2020). Design of demerit control charts with fuzzy c-means clustering and an application in textile sector. *Textile and Apparel*, 30(2), 117-125.

LAMPIRAN

Lampiran 1. Data wadah plastik anti bocor

Data (i)	Ukuran Sampel (n_i)	Segel Luar (C_{iA})	Segel Tengah (C_{iB})	Segel Dalam (C_{iC})
1	12	0	0	12
2	12	0	0	9
3	12	0	0	11
4	12	0	0	3
5	12	0	0	8
6	12	0	0	12
7	12	0	0	11
8	12	0	0	9
9	12	0	0	12
10	12	0	0	10
11	12	0	0	3
12	12	0	0	6
13	12	0	0	4
14	12	0	0	7
15	12	0	0	0
16	12	0	0	0
17	12	0	0	7
18	12	0	0	6
19	12	0	0	6
20	12	0	0	7
21	12	0	0	4
22	12	0	0	6
23	12	0	0	6
24	12	0	0	12
25	12	0	0	12
26	12	0	0	2
27	12	0	0	10
28	12	0	0	5
29	12	0	0	12
30	12	0	0	12
31	12	0	0	9
32	12	0	0	6
33	12	0	0	7
34	12	0	0	10
35	12	0	0	9
36	21	0	0	12
37	12	0	0	10
38	12	0	0	11
39	12	0	0	12
40	12	0	0	8
41	12	0	0	12
42	12	0	0	7
43	12	0	0	12

Lampiran 1. Data wadah plastik anti bocor (Lanjutan)

44	12	0	0	9
45	12	0	0	12
46	12	0	0	12
47	12	0	0	12
48	12	0	0	12
49	12	1	1	8
50	9	0	0	3
51	12	0	0	8
52	12	0	0	11
53	12	0	0	11
54	12	0	0	12
55	12	0	0	10
56	12	0	0	9
57	12	0	0	5
58	12	0	0	10
59	12	0	0	11
60	12	0	0	9
61	12	0	0	10
62	12	0	0	11
63	12	0	0	12
64	12	0	0	9
65	12	0	0	11
66	12	0	0	9
67	12	0	0	9
68	12	0	0	11
69	18	0	0	11
70	12	0	0	7
71	12	0	0	6
72	12	0	0	8
73	12	0	0	9
74	12	0	0	8
75	12	0	0	7
76	12	0	0	9
77	12	0	0	10
78	12	0	0	6
79	12	0	0	8
80	12	0	0	9
81	12	0	0	10
82	12	0	0	12
83	12	0	0	8
84	12	0	0	3
85	12	0	0	8
86	12	0	0	4
87	12	0	0	10
88	12	0	0	6

Lampiran 1. Data wadah plastik anti bocor (Lanjutan)

89	12	0	0	2
90	12	0	0	9
91	12	0	0	10
92	12	0	0	10
93	12	0	0	2
94	12	0	0	11
95	12	0	0	11
96	12	0	0	7
97	12	0	0	6
98	12	0	0	9
99	12	0	0	0
100	9	0	0	0
101	3	0	0	0
102	12	0	0	0
103	12	0	0	5
104	12	0	0	10
105	9	0	0	0
106	12	2	2	8
107	12	0	1	6
108	12	0	0	3
109	12	0	0	2
110	12	0	0	3
111	12	0	1	9
112	12	0	0	3
113	12	0	0	5
114	21	0	0	10
115	12	0	0	5
116	12	0	0	1
117	12	0	0	2
118	12	0	0	10
119	18	0	0	10
120	12	0	0	8
121	12	0	0	7
122	9	0	0	9
123	21	0	0	14
124	9	0	0	4
125	12	0	0	3
126	15	0	0	13
127	12	0	0	11
128	12	0	0	10
129	12	0	0	6
130	15	0	0	1
131	12	0	0	1
132	12	0	0	6
133	12	0	0	2

Lampiran 1. Data wadah plastik anti bocor (Lanjutan)

134	9	0	0	4
135	12	0	0	0
136	12	0	0	5
137	9	0	0	4
138	9	0	5	7
139	9	0	0	0
140	9	0	0	1
141	9	0	0	1
142	12	0	0	0
143	12	0	0	0
144	12	0	0	0
145	12	0	0	5
146	9	0	0	3
147	12	0	0	8
148	9	0	0	3
149	12	0	1	12
150	12	0	0	1
151	9	1	1	6
152	12	0	0	3
153	12	0	2	10
154	12	0	0	2
155	12	0	0	4
156	12	0	0	0
157	12	0	0	0
158	15	0	0	2
159	12	0	1	8
160	9	0	0	7
161	9	0	0	8
162	9	0	0	6
163	9	0	0	4
164	12	0	0	6
165	12	0	0	5
166	12	0	0	0
167	9	0	0	3
168	12	0	0	7
169	9	0	0	9
170	12	0	0	10
171	12	0	3	12
172	12	1	3	8

Lampiran 2. Uji Durbin-Watson

Session

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	1	5910	5910	2,40	0,123
Residual Error	170	418113	2459		
Total	171	424023			

Durbin-Watson statistic = 0,0236096

Lampiran 3. Tabel Durbin-Watson

K	1		2		3		4	
	dL	dU	dL	dU	dL	dU	dL	dU
6	0,6102	1,4002						
7	0,6996	1,3564	0,4672	1,8964				
8	0,7629	1,3324	0,5591	1,7771	0,3674	2,2866		
9	0,8243	1,3199	0,6291	1,6993	0,4548	2,1282	0,2957	2,5881
10	0,8791	1,3197	0,6972	1,6413	0,5253	2,0163	0,3760	2,4137
11	0,9273	1,3241	0,7580	1,6044	0,5948	1,9280	0,4441	2,2833
12	0,9708	1,3314	0,8122	1,5794	0,6577	1,8640	0,5120	2,1766
13	1,0097	1,3404	0,8612	1,5621	0,7147	1,8159	0,5745	2,0943
14	1,0450	1,3503	0,9054	1,5507	0,7667	1,7788	0,6321	2,0296
15	1,0770	1,3605	0,9455	1,5432	0,8140	1,7501	0,6852	1,9774
16	1,1062	1,3709	0,9820	1,5386	0,8572	1,7277	0,7340	1,9351
17	1,1330	1,3812	1,0154	1,5361	0,8968	1,7101	0,7790	1,9005
18	1,1576	1,3913	1,0461	1,5353	0,9331	1,6961	0,8204	1,8719
19	1,1804	1,4012	1,0743	1,5355	0,9666	1,6851	0,8588	1,8482
20	1,2015	1,4107	1,1004	1,5367	0,9976	1,6763	0,8943	1,8283
21	1,2212	1,4200	1,1246	1,5385	1,0262	1,6694	0,9272	1,8116
22	1,2395	1,4289	1,1471	1,5408	1,0529	1,6640	0,9578	1,7974
23	1,2567	1,4375	1,1682	1,5435	1,0778	1,6597	0,9864	1,7855
24	1,2728	1,4458	1,1878	1,5464	1,1010	1,6565	1,0131	1,7753
25	1,2879	1,4537	1,2063	1,5495	1,1228	1,6540	1,0381	1,7666
26	1,3022	1,4614	1,2236	1,5528	1,1432	1,6523	1,0616	1,7591
27	1,3157	1,4688	1,2399	1,5562	1,1624	1,6510	1,0836	1,7527
28	1,3284	1,4759	1,2553	1,5596	1,1805	1,6503	1,1044	1,7473
29	1,3405	1,4828	1,2699	1,5631	1,1976	1,6499	1,1241	1,7426
30	1,3520	1,4894	1,2837	1,5666	1,2138	1,6498	1,1426	1,7386
31	1,3630	1,4957	1,2969	1,5701	1,2292	1,6500	1,1602	1,7352
32	1,3734	1,5019	1,3093	1,5736	1,2437	1,6505	1,1769	1,7323
33	1,3834	1,5078	1,3212	1,5770	1,2576	1,6511	1,1927	1,7298
34	1,3929	1,5136	1,3325	1,5805	1,2707	1,6519	1,2078	1,7277
35	1,4019	1,5191	1,3433	1,5838	1,2833	1,6528	1,2221	1,7259
36	1,4107	1,5245	1,3537	1,5872	1,2953	1,6539	1,2358	1,7245
37	1,4190	1,5297	1,3635	1,5904	1,3068	1,6550	1,2489	1,7233
38	1,4270	1,5348	1,3730	1,5937	1,3177	1,6563	1,2614	1,7223
39	1,4347	1,5396	1,3821	1,5969	1,3283	1,6575	1,2734	1,7215
40	1,4421	1,5444	1,3908	1,6000	1,3384	1,6589	1,2848	1,7209
41	1,4493	1,5490	1,3992	1,6031	1,3480	1,6603	1,2958	1,7205
42	1,4562	1,5534	1,4073	1,6061	1,3573	1,6617	1,3064	1,7202

Lampiran 3. Tabel Durbin-Watson (Lanjutan)

43	1,4628	1,5577	1,4151	1,6091	1,3663	1,6632	1,3166	1,7200
44	1,4692	1,5619	1,4226	1,6120	1,3749	1,6647	1,3263	1,7200
45	1,4754	1,5660	1,4298	1,6148	1,3832	1,6662	1,3357	1,7200
46	1,4814	1,5700	1,4368	1,6176	1,3912	1,6677	1,3448	1,7201
47	1,4872	1,5739	1,4435	1,6204	1,3989	1,6692	1,3535	1,7203
48	1,4928	1,5776	1,4500	1,6231	1,4064	1,6708	1,3619	1,7206
49	1,4982	1,5813	1,4564	1,6257	1,4136	1,6723	1,3701	1,7210
50	1,5035	1,5849	1,4625	1,6283	1,4206	1,6739	1,3779	1,7214
51	1,5086	1,5884	1,4684	1,6309	1,4273	1,6754	1,3855	1,7218
52	1,5135	1,5917	1,4741	1,6334	1,4339	1,6769	1,3929	1,7223
53	1,5183	1,5951	1,4797	1,6359	1,4402	1,6785	1,4000	1,7228
54	1,5230	1,5983	1,4851	1,6383	1,4464	1,6800	1,4069	1,7234
55	1,5276	1,6014	1,4903	1,6406	1,4523	1,6815	1,4136	1,7240
56	1,5320	1,6045	1,4954	1,6430	1,4581	1,6830	1,4201	1,7246
57	1,5363	1,6075	1,5004	1,6452	1,4637	1,6845	1,4264	1,7253
58	1,5405	1,6105	1,5052	1,6475	1,4692	1,6860	1,4325	1,7259
59	1,5446	1,6134	1,5099	1,6497	1,4745	1,6875	1,4385	1,7266
60	1,5485	1,6162	1,5144	1,6518	1,4797	1,6889	1,4443	1,7274
61	1,5524	1,6189	1,5189	1,6540	1,4847	1,6904	1,4499	1,7281
62	1,5562	1,6216	1,5232	1,6561	1,4896	1,6918	1,4554	1,7288
63	1,5599	1,6243	1,5274	1,6581	1,4943	1,6932	1,4607	1,7296
64	1,5635	1,6268	1,5315	1,6601	1,4990	1,6946	1,4659	1,7303
65	1,5670	1,6294	1,5355	1,6621	1,5035	1,6960	1,4709	1,7311
66	1,5704	1,6318	1,5395	1,6640	1,5079	1,6974	1,4758	1,7319
67	1,5738	1,6343	1,5433	1,6660	1,5122	1,6988	1,4806	1,7327
68	1,5771	1,6367	1,5470	1,6678	1,5164	1,7001	1,4853	1,7335
69	1,5803	1,6390	1,5507	1,6697	1,5205	1,7015	1,4899	1,7343
70	1,5834	1,6413	1,5542	1,6715	1,5245	1,7028	1,4943	1,7351
71	1,5865	1,6435	1,5577	1,6733	1,5284	1,7041	1,4987	1,7358
72	1,5895	1,6457	1,5611	1,6751	1,5323	1,7054	1,5029	1,7366
73	1,5924	1,6479	1,5645	1,6768	1,5360	1,7067	1,5071	1,7375
74	1,5953	1,6500	1,5677	1,6785	1,5397	1,7079	1,5112	1,7383
75	1,5981	1,6521	1,5709	1,6802	1,5432	1,7092	1,5151	1,7390
76	1,6009	1,6541	1,5740	1,6819	1,5467	1,7104	1,5190	1,7399
77	1,6036	1,6561	1,5771	1,6835	1,5502	1,7117	1,5228	1,7407
78	1,6063	1,6581	1,5801	1,6851	1,5535	1,7129	1,5265	1,7415
79	1,6089	1,6601	1,5830	1,6867	1,5568	1,7141	1,5302	1,7423
80	1,6114	1,6620	1,5859	1,6882	1,5600	1,7153	1,5337	1,7430
81	1,6139	1,6639	1,5888	1,6898	1,5632	1,7164	1,5372	1,7438

Lampiran 3. Tabel Durbin-Watson (Lanjutan)

82	1,6164	1,6657	1,5915	1,6913	1,5663	1,7176	1,5406	1,7446
83	1,6188	1,6675	1,5942	1,6928	1,5693	1,7187	1,5440	1,7454
84	1,6212	1,6693	1,5969	1,6942	1,5723	1,7199	1,5472	1,7462
85	1,6235	1,6711	1,5995	1,6957	1,5752	1,7210	1,5505	1,7470
86	1,6258	1,6728	1,6021	1,6971	1,5780	1,7221	1,5536	1,7478
87	1,6280	1,6745	1,6046	1,6985	1,5808	1,7232	1,5567	1,7485
88	1,6302	1,6762	1,6071	1,6999	1,5836	1,7243	1,5597	1,7493
89	1,6324	1,6778	1,6095	1,7013	1,5863	1,7254	1,5627	1,7501
90	1,6345	1,6794	1,6119	1,7026	1,5889	1,7264	1,5656	1,7508
91	1,6366	1,6810	1,6143	1,7040	1,5915	1,7275	1,5685	1,7516
92	1,6387	1,6826	1,6166	1,7053	1,5941	1,7285	1,5713	1,7523
93	1,6407	1,6841	1,6188	1,7066	1,5966	1,7295	1,5741	1,7531
94	1,6427	1,6857	1,6211	1,7078	1,5991	1,7306	1,5768	1,7538
95	1,6447	1,6872	1,6233	1,7091	1,6015	1,7316	1,5795	1,7546
96	1,6466	1,6887	1,6254	1,7103	1,6039	1,7326	1,5821	1,7553
97	1,6485	1,6901	1,6275	1,7116	1,6063	1,7335	1,5847	1,7560
98	1,6504	1,6916	1,6296	1,7128	1,6086	1,7345	1,5872	1,7567
99	1,6522	1,6930	1,6317	1,7140	1,6108	1,7355	1,5897	1,7575
100	1,6540	1,6944	1,6337	1,7152	1,6131	1,7364	1,5922	1,7582
101	1,6558	1,6958	1,6357	1,7163	1,6153	1,7374	1,5946	1,7589
102	1,6576	1,6971	1,6376	1,7175	1,6174	1,7383	1,5969	1,7596
103	1,6593	1,6985	1,6396	1,7186	1,6196	1,7392	1,5993	1,7603
104	1,6610	1,6998	1,6415	1,7198	1,6217	1,7402	1,6016	1,7610
105	1,6627	1,7011	1,6433	1,7209	1,6237	1,7411	1,6038	1,7617
106	1,6644	1,7024	1,6452	1,7220	1,6258	1,7420	1,6061	1,7624
107	1,6660	1,7037	1,6470	1,7231	1,6277	1,7428	1,6083	1,7631
108	1,6676	1,7050	1,6488	1,7241	1,6297	1,7437	1,6104	1,7637
109	1,6692	1,7062	1,6505	1,7252	1,6317	1,7446	1,6125	1,7644
110	1,6708	1,7074	1,6523	1,7262	1,6336	1,7455	1,6146	1,7651
111	1,6723	1,7086	1,6540	1,7273	1,6355	1,7463	1,6167	1,7657
112	1,6738	1,7098	1,6557	1,7283	1,6373	1,7472	1,6187	1,7664
113	1,6753	1,7110	1,6574	1,7293	1,6391	1,7480	1,6207	1,7670
114	1,6768	1,7122	1,6590	1,7303	1,6410	1,7488	1,6227	1,7677
115	1,6783	1,7133	1,6606	1,7313	1,6427	1,7496	1,6246	1,7683
116	1,6797	1,7145	1,6622	1,7323	1,6445	1,7504	1,6265	1,7690
117	1,6812	1,7156	1,6638	1,7332	1,6462	1,7512	1,6284	1,7696
118	1,6826	1,7167	1,6653	1,7342	1,6479	1,7520	1,6303	1,7702
119	1,6839	1,7178	1,6669	1,7352	1,6496	1,7528	1,6321	1,7709
120	1,6853	1,7189	1,6684	1,7361	1,6513	1,7536	1,6339	1,7715

Lampiran 3. Tabel Durbin-Watson (Lanjutan)

121	1,6867	1,7200	1,6699	1,7370	1,6529	1,7544	1,6357	1,7721
122	1,6880	1,7210	1,6714	1,7379	1,6545	1,7552	1,6375	1,7727
123	1,6893	1,7221	1,6728	1,7388	1,6561	1,7559	1,6392	1,7733
124	1,6906	1,7231	1,6743	1,7397	1,6577	1,7567	1,6409	1,7739
125	1,6919	1,7241	1,6757	1,7406	1,6592	1,7574	1,6426	1,7745
126	1,6932	1,7252	1,6771	1,7415	1,6608	1,7582	1,6443	1,7751
127	1,6944	1,7261	1,6785	1,7424	1,6623	1,7589	1,6460	1,7757
128	1,6957	1,7271	1,6798	1,7432	1,6638	1,7596	1,6476	1,7763
129	1,6969	1,7281	1,6812	1,7441	1,6653	1,7603	1,6492	1,7769
130	1,6981	1,7291	1,6825	1,7449	1,6667	1,7610	1,6508	1,7774
131	1,6993	1,7301	1,6838	1,7458	1,6682	1,7617	1,6523	1,7780
132	1,7005	1,7310	1,6851	1,7466	1,6696	1,7624	1,6539	1,7786
133	1,7017	1,7319	1,6864	1,7474	1,6710	1,7631	1,6554	1,7791
134	1,7028	1,7329	1,6877	1,7482	1,6724	1,7638	1,6569	1,7797
135	1,7040	1,7338	1,6889	1,7490	1,6738	1,7645	1,6584	1,7802
136	1,7051	1,7347	1,6902	1,7498	1,6751	1,7652	1,6599	1,7808
137	1,7062	1,7356	1,6914	1,7506	1,6765	1,7659	1,6613	1,7813
138	1,7073	1,7365	1,6926	1,7514	1,6778	1,7665	1,6628	1,7819
139	1,7084	1,7374	1,6938	1,7521	1,6791	1,7672	1,6642	1,7824
140	1,7095	1,7382	1,6950	1,7529	1,6804	1,7678	1,6656	1,7830
141	1,7106	1,7391	1,6962	1,7537	1,6817	1,7685	1,6670	1,7835
142	1,7116	1,7400	1,6974	1,7544	1,6829	1,7691	1,6684	1,7840
143	1,7127	1,7408	1,6985	1,7552	1,6842	1,7697	1,6697	1,7846
144	1,7137	1,7417	1,6996	1,7559	1,6854	1,7704	1,6710	1,7851
145	1,7147	1,7425	1,7008	1,7566	1,6866	1,7710	1,6724	1,7856
146	1,7157	1,7433	1,7019	1,7574	1,6878	1,7716	1,6737	1,7861
147	1,7167	1,7441	1,7030	1,7581	1,6890	1,7722	1,6750	1,7866
148	1,7177	1,7449	1,7041	1,7588	1,6902	1,7729	1,6762	1,7871
149	1,7187	1,7457	1,7051	1,7595	1,6914	1,7735	1,6775	1,7876
150	1,7197	1,7465	1,7062	1,7602	1,6926	1,7741	1,6788	1,7881
151	1,7207	1,7473	1,7072	1,7609	1,6937	1,7747	1,6800	1,7886
152	1,7216	1,7481	1,7083	1,7616	1,6948	1,7752	1,6812	1,7891
153	1,7226	1,7488	1,7093	1,7622	1,6959	1,7758	1,6824	1,7896
154	1,7235	1,7496	1,7103	1,7629	1,6971	1,7764	1,6836	1,7901
155	1,7244	1,7504	1,7114	1,7636	1,6982	1,7770	1,6848	1,7906
156	1,7253	1,7511	1,7123	1,7642	1,6992	1,7776	1,6860	1,7911
157	1,7262	1,7519	1,7133	1,7649	1,7003	1,7781	1,6872	1,7915
158	1,7271	1,7526	1,7143	1,7656	1,7014	1,7787	1,6883	1,7920
159	1,7280	1,7533	1,7153	1,7662	1,7024	1,7792	1,6895	1,7925

Lampiran 3. Tabel Durbin-Watson (Lanjutan)

160	1,7289	1,7541	1,7163	1,7668	1,7035	1,7798	1,6906	1,7930
161	1,7298	1,7548	1,7172	1,7675	1,7045	1,7804	1,6917	1,7934
162	1,7306	1,7555	1,7182	1,7681	1,7055	1,7809	1,6928	1,7939
163	1,7315	1,7562	1,7191	1,7687	1,7066	1,7814	1,6939	1,7943
164	1,7324	1,7569	1,7200	1,7693	1,7075	1,7820	1,6950	1,7948
165	1,7332	1,7576	1,7209	1,7700	1,7085	1,7825	1,6960	1,7953
166	1,7340	1,7582	1,7218	1,7706	1,7095	1,7831	1,6971	1,7957
167	1,7348	1,7589	1,7227	1,7712	1,7105	1,7836	1,6982	1,7961
168	1,7357	1,7596	1,7236	1,7718	1,7115	1,7841	1,6992	1,7966
169	1,7365	1,7603	1,7245	1,7724	1,7124	1,7846	1,7002	1,7970
170	1,7373	1,7609	1,7254	1,7730	1,7134	1,7851	1,7012	1,7975
171	1,7381	1,7616	1,7262	1,7735	1,7143	1,7856	1,7023	1,7979
172	1,7389	1,7622	1,7271	1,7741	1,7152	1,7861	1,7033	1,7983
173	1,7396	1,7629	1,7279	1,7747	1,7162	1,7866	1,7042	1,7988
174	1,7404	1,7635	1,7288	1,7753	1,7171	1,7872	1,7052	1,7992
175	1,7412	1,7642	1,7296	1,7758	1,7180	1,7877	1,7062	1,7996
176	1,7420	1,7648	1,7305	1,7764	1,7189	1,7881	1,7072	1,8000
177	1,7427	1,7654	1,7313	1,7769	1,7197	1,7886	1,7081	1,8005
178	1,7435	1,7660	1,7321	1,7775	1,7206	1,7891	1,7091	1,8009
179	1,7442	1,7667	1,7329	1,7780	1,7215	1,7896	1,7100	1,8013
180	1,7449	1,7673	1,7337	1,7786	1,7224	1,7901	1,7109	1,8017
181	1,7457	1,7679	1,7345	1,7791	1,7232	1,7906	1,7118	1,8021
182	1,7464	1,7685	1,7353	1,7797	1,7241	1,7910	1,7128	1,8025
183	1,7471	1,7691	1,7360	1,7802	1,7249	1,7915	1,7137	1,8029
184	1,7478	1,7697	1,7368	1,7807	1,7257	1,7920	1,7146	1,8033
185	1,7485	1,7702	1,7376	1,7813	1,7266	1,7924	1,7155	1,8037
186	1,7492	1,7708	1,7384	1,7818	1,7274	1,7929	1,7163	1,8041
187	1,7499	1,7714	1,7391	1,7823	1,7282	1,7933	1,7172	1,8045
188	1,7506	1,7720	1,7398	1,7828	1,7290	1,7938	1,7181	1,8049
189	1,7513	1,7725	1,7406	1,7833	1,7298	1,7942	1,7189	1,8053
190	1,7520	1,7731	1,7413	1,7838	1,7306	1,7947	1,7198	1,8057
191	1,7526	1,7737	1,7420	1,7843	1,7314	1,7951	1,7206	1,8061
192	1,7533	1,7742	1,7428	1,7848	1,7322	1,7956	1,7215	1,8064
193	1,7540	1,7748	1,7435	1,7853	1,7329	1,7960	1,7223	1,8068
194	1,7546	1,7753	1,7442	1,7858	1,7337	1,7965	1,7231	1,8072
195	1,7553	1,7759	1,7449	1,7863	1,7345	1,7969	1,7239	1,8076
196	1,7559	1,7764	1,7456	1,7868	1,7352	1,7973	1,7247	1,8079
197	1,7566	1,7769	1,7463	1,7873	1,7360	1,7977	1,7255	1,8083
198	1,7572	1,7775	1,7470	1,7878	1,7367	1,7982	1,7263	1,8087

Lampiran 4. Peta kendali Demerit

Data (i)	Cacat terboboti (d_i)	Rata-rata cacat (U_i)	Standar Deviasi ($\hat{\sigma}_{u_i}$)	UCL	LCL
1	12	1,0000	0,2770	1,4697	0
2	9	0,7500	0,2770	1,4697	0
3	11	0,9167	0,2770	1,4697	0
4	3	0,2500	0,2770	1,4697	0
5	8	0,6667	0,2770	1,4697	0
6	12	1,0000	0,2770	1,4697	0
7	11	0,9167	0,2770	1,4697	0
8	9	0,7500	0,2770	1,4697	0
9	12	1,0000	0,2770	1,4697	0
10	10	0,8333	0,2770	1,4697	0
11	3	0,2500	0,2770	1,4697	0
12	6	0,5000	0,2770	1,4697	0
13	4	0,3333	0,2770	1,4697	0
14	7	0,5833	0,2770	1,4697	0
15	0	0,0000	0,2770	1,4697	0
16	0	0,0000	0,2770	1,4697	0
17	7	0,5833	0,2770	1,4697	0
18	6	0,5000	0,2770	1,4697	0
19	6	0,5000	0,2770	1,4697	0
20	7	0,5833	0,2770	1,4697	0
21	4	0,3333	0,2770	1,4697	0
22	6	0,5000	0,2770	1,4697	0
23	6	0,5000	0,2770	1,4697	0
24	12	1,0000	0,2770	1,4697	0
25	12	1,0000	0,2770	1,4697	0
26	2	0,1667	0,2770	1,4697	0
27	10	0,8333	0,2770	1,4697	0
28	5	0,4167	0,2770	1,4697	0
29	12	1,0000	0,2770	1,4697	0
30	12	1,0000	0,2770	1,4697	0
31	9	0,7500	0,2770	1,4697	0
32	6	0,5000	0,2770	1,4697	0
33	7	0,5833	0,2770	1,4697	0
34	10	0,8333	0,2770	1,4697	0
35	9	0,7500	0,2770	1,4697	0
36	12	0,5714	0,2094	1,2669	0
37	10	0,8333	0,2770	1,4697	0
38	11	0,9167	0,2770	1,4697	0
39	12	1,0000	0,2770	1,4697	0
40	8	0,6667	0,2770	1,4697	0
41	12	1,0000	0,2770	1,4697	0
42	7	0,5833	0,2770	1,4697	0

Lampiran 4. Peta kendali Demerit (Lanjutan)

43	12	1,0000	0,2770	1,4697	0
44	9	0,7500	0,2770	1,4697	0
45	12	1,0000	0,2770	1,4697	0
46	12	1,0000	0,2770	1,4697	0
47	12	1,0000	0,2770	1,4697	0
48	12	1,0000	0,2770	1,4697	0
49	21	1,7500	0,2770	1,4697	0
50	3	0,3333	0,3198	1,5983	0
51	8	0,6667	0,2770	1,4697	0
52	11	0,9167	0,2770	1,4697	0
53	11	0,9167	0,2770	1,4697	0
54	12	1,0000	0,2770	1,4697	0
55	10	0,8333	0,2770	1,4697	0
56	9	0,7500	0,2770	1,4697	0
57	5	0,4167	0,2770	1,4697	0
58	10	0,8333	0,2770	1,4697	0
59	11	0,9167	0,2770	1,4697	0
60	9	0,7500	0,2770	1,4697	0
61	10	0,8333	0,2770	1,4697	0
62	11	0,9167	0,2770	1,4697	0
63	12	1,0000	0,2770	1,4697	0
64	9	0,7500	0,2770	1,4697	0
65	11	0,9167	0,2770	1,4697	0
66	9	0,7500	0,2770	1,4697	0
67	9	0,7500	0,2770	1,4697	0
68	11	0,9167	0,2770	1,4697	0
69	11	0,6111	0,2262	1,3173	0
70	7	0,5833	0,2770	1,4697	0
71	6	0,5000	0,2770	1,4697	0
72	8	0,6667	0,2770	1,4697	0
73	9	0,7500	0,2770	1,4697	0
74	8	0,6667	0,2770	1,4697	0
75	7	0,5833	0,2770	1,4697	0
76	9	0,7500	0,2770	1,4697	0
77	10	0,8333	0,2770	1,4697	0
78	6	0,5000	0,2770	1,4697	0
79	8	0,6667	0,2770	1,4697	0
80	9	0,7500	0,2770	1,4697	0
81	10	0,8333	0,2770	1,4697	0
82	12	1,0000	0,2770	1,4697	0
83	8	0,6667	0,2770	1,4697	0
84	3	0,2500	0,2770	1,4697	0
85	8	0,6667	0,2770	1,4697	0
86	4	0,3333	0,2770	1,4697	0
87	10	0,8333	0,2770	1,4697	0

Lampiran 4. Peta kendali Demerit (Lanjutan)

88	6	0,5000	0,2770	1,4697	0
89	2	0,1667	0,2770	1,4697	0
90	9	0,7500	0,2770	1,4697	0
91	10	0,8333	0,2770	1,4697	0
92	10	0,8333	0,2770	1,4697	0
93	2	0,1667	0,2770	1,4697	0
94	11	0,9167	0,2770	1,4697	0
95	11	0,9167	0,2770	1,4697	0
96	7	0,5833	0,2770	1,4697	0
97	6	0,5000	0,2770	1,4697	0
98	9	0,7500	0,2770	1,4697	0
99	0	0,0000	0,2770	1,4697	0
100	0	0,0000	0,3198	1,5983	0
101	0	0,0000	0,5540	2,3007	0
102	0	0,0000	0,2770	1,4697	0
103	5	0,4167	0,2770	1,4697	0
104	10	0,8333	0,2770	1,4697	0
105	0	0,0000	0,3198	1,5983	0
106	34	2,8333	0,2770	1,4697	0
107	9	0,7500	0,2770	1,4697	0
108	3	0,2500	0,2770	1,4697	0
109	2	0,1667	0,2770	1,4697	0
110	3	0,2500	0,2770	1,4697	0
111	12	1,0000	0,2770	1,4697	0
112	3	0,2500	0,2770	1,4697	0
113	5	0,4167	0,2770	1,4697	0
114	10	0,4762	0,2094	1,2669	0
115	5	0,4167	0,2770	1,4697	0
116	1	0,0833	0,2770	1,4697	0
117	2	0,1667	0,2770	1,4697	0
118	10	0,8333	0,2770	1,4697	0
119	10	0,5556	0,2262	1,3173	0
120	8	0,6667	0,2770	1,4697	0
121	7	0,5833	0,2770	1,4697	0
122	9	1,0000	0,3198	1,5983	0
123	14	0,6667	0,2094	1,2669	0
124	4	0,4444	0,3198	1,5983	0
125	3	0,2500	0,2770	1,4697	0
126	13	0,8667	0,2478	1,3820	0
127	11	0,9167	0,2770	1,4697	0
128	10	0,8333	0,2770	1,4697	0
129	6	0,5000	0,2770	1,4697	0
130	1	0,0667	0,2478	1,3820	0
131	1	0,0833	0,2770	1,4697	0
132	6	0,5000	0,2770	1,4697	0

Lampiran 4. Peta kendali Demerit (Lanjutan)

133	2	0,1667	0,2770	1,4697	0
134	4	0,4444	0,3198	1,5983	0
135	0	0,0000	0,2770	1,4697	0
136	5	0,4167	0,2770	1,4697	0
137	4	0,4444	0,3198	1,5983	0
138	22	2,4444	0,3198	1,5983	0
139	0	0,0000	0,3198	1,5983	0
140	1	0,1111	0,3198	1,5983	0
141	1	0,1111	0,3198	1,5983	0
142	0	0,0000	0,2770	1,4697	0
143	0	0,0000	0,2770	1,4697	0
144	0	0,0000	0,2770	1,4697	0
145	5	0,4167	0,2770	1,4697	0
146	3	0,3333	0,3198	1,5983	0
147	8	0,6667	0,2770	1,4697	0
148	3	0,3333	0,3198	1,5983	0
149	15	1,2500	0,2770	1,4697	0
150	1	0,0833	0,2770	1,4697	0
151	19	2,1111	0,3198	1,5983	0
152	3	0,2500	0,2770	1,4697	0
153	16	1,3333	0,2770	1,4697	0
154	2	0,1667	0,2770	1,4697	0
155	4	0,3333	0,2770	1,4697	0
156	0	0,0000	0,2770	1,4697	0
157	0	0,0000	0,2770	1,4697	0
158	2	0,1333	0,2478	1,3820	0
159	11	0,9167	0,2770	1,4697	0
160	7	0,7778	0,3198	1,5983	0
161	8	0,8889	0,3198	1,5983	0
162	6	0,6667	0,3198	1,5983	0
163	4	0,4444	0,3198	1,5983	0
164	6	0,5000	0,2770	1,4697	0
165	5	0,4167	0,2770	1,4697	0
166	0	0,0000	0,2770	1,4697	0
167	3	0,3333	0,3198	1,5983	0
168	7	0,5833	0,2770	1,4697	0
169	9	1,0000	0,3198	1,5983	0
170	10	0,8333	0,2770	1,4697	0
171	21	1,7500	0,2770	1,4697	0
172	27	2,2500	0,2770	1,4697	0

● = *Out Of Control*

Lampiran 5. Uji *Augmented Dicky Fuller* (ADF)

```
30 Dta <- read.csv2("C:/Users/ITHA/Documents/SKRIPSI/Data.csv")
31 library(tseries)
32 adf.test(Dta$jumlah,k=1)
33
34
```

35:1 (Top Level) ▾

Console Jobs ×

R 4.1.1 · ~/ ↻

```
> adf.test(Dta$jumlah,k=1)

Augmented Dickey-Fuller Test

data: Dta$jumlah
Dickey-Fuller = -5.9998, Lag order = 1, p-value = 0.01
alternative hypothesis: stationary
```

Lampiran 6. Estimasi Parameter

Final Estimates of Parameters

Type		Coef	SE Coef	T
AR	1	0,1325	0,0777	1,70
AR	2	0,2302	0,0793	2,90
Constant		0,41208	0,03275	12,58
Mean		0,64663	0,05138	

Number of observations: 172

Residuals: SS = 31,0235 (backforecasts excluded)
MS = 0,1836 DF = 169

Lampiran 7. Peta Kendali Residual

i	\hat{y}_i	r_i	R_i	UCL	LCL
1	0,4121	0,5879		1,0032	-1,0005
2	0,5446	0,2054	0,3825	1,0032	-1,0005
3	0,7417	0,1750	0,0304	1,0032	-1,0005
4	0,7062	0,4562	0,6312	1,0032	-1,0005
5	0,6562	0,0104	0,4666	1,0032	-1,0005
6	0,5580	0,4420	0,4316	1,0032	-1,0005
7	0,6980	0,2186	0,2234	1,0032	-1,0005
8	0,7637	0,0137	0,2324	1,0032	-1,0005
9	0,7225	0,2775	0,2913	1,0032	-1,0005
10	0,7172	0,1161	0,1614	1,0032	-1,0005
11	0,7527	0,5027	0,6188	1,0032	-1,0005
12	0,6370	0,1370	0,3657	1,0032	-1,0005
13	0,5359	0,2025	0,0655	1,0032	-1,0005
14	0,5713	0,0120	0,2145	1,0032	-1,0005
15	0,5661	0,5661	0,5781	1,0032	-1,0005
16	0,5464	0,5464	0,0197	1,0032	-1,0005
17	0,4121	0,1713	0,7176	1,0032	-1,0005
18	0,4894	0,0106	0,1606	1,0032	-1,0005
19	0,6126	0,1126	0,1232	1,0032	-1,0005
20	0,5934	0,0101	0,1025	1,0032	-1,0005
21	0,6045	0,2711	0,2610	1,0032	-1,0005
22	0,5905	0,0905	0,1806	1,0032	-1,0005
23	0,5551	0,0551	0,0355	1,0032	-1,0005
24	0,5934	0,4066	0,4616	1,0032	-1,0005
25	0,6597	0,3403	0,0663	1,0032	-1,0005
26	0,7748	0,6081	0,9484	1,0032	-1,0005
27	0,6644	0,1690	0,7771	1,0032	-1,0005
28	0,5609	0,1442	0,3132	1,0032	-1,0005
29	0,6591	0,3409	0,4851	1,0032	-1,0005
30	0,6405	0,3595	0,0186	1,0032	-1,0005
31	0,7748	0,0248	0,3843	1,0032	-1,0005
32	0,7417	0,2417	0,2169	1,0032	-1,0005
33	0,6510	0,0676	0,1740	1,0032	-1,0005
34	0,6045	0,2289	0,2965	1,0032	-1,0005
35	0,6568	0,0932	0,1356	1,0032	-1,0005
36	0,7033	0,1319	0,2251	1,0032	-1,0005
37	0,6604	0,1729	0,3047	1,0032	-1,0005
38	0,6540	0,2626	0,0897	1,0032	-1,0005
39	0,7254	0,2746	0,0120	1,0032	-1,0005
40	0,7556	0,0889	0,3636	1,0032	-1,0005
41	0,7306	0,2694	0,3583	1,0032	-1,0005
42	0,6980	0,1147	0,3841	1,0032	-1,0005
43	0,7196	0,2804	0,3951	1,0032	-1,0005

Lampiran 7. Peta Kendali Residual (Lanjutan)

44	0,6789	0,0711	0,2093	1,0032	-1,0005
45	0,7417	0,2583	0,1872	1,0032	-1,0005
46	0,7172	0,2828	0,0244	1,0032	-1,0005
47	0,7748	0,2252	0,0576	1,0032	-1,0005
48	0,7748	0,2252	0,0000	1,0032	-1,0005
49	0,7748	0,9752	0,7500	1,0032	-1,0005
50	0,8742	0,5408	1,5160	1,0032	-1,0005
51	0,8591	0,1924	0,3484	1,0032	-1,0005
52	0,5771	0,3395	0,5320	1,0032	-1,0005
53	0,6870	0,2297	0,1099	1,0032	-1,0005
54	0,7446	0,2554	0,0258	1,0032	-1,0005
55	0,7556	0,0777	0,1777	1,0032	-1,0005
56	0,7527	0,0027	0,0804	1,0032	-1,0005
57	0,7033	0,2866	0,2839	1,0032	-1,0005
58	0,6399	0,1934	0,4800	1,0032	-1,0005
59	0,6184	0,2983	0,1049	1,0032	-1,0005
60	0,7254	0,0246	0,2736	1,0032	-1,0005
61	0,7225	0,1109	0,0862	1,0032	-1,0005
62	0,6951	0,2215	0,1107	1,0032	-1,0005
63	0,7254	0,2746	0,0531	1,0032	-1,0005
64	0,7556	0,0056	0,2802	1,0032	-1,0005
65	0,7417	0,1750	0,1806	1,0032	-1,0005
66	0,7062	0,0438	0,1312	1,0032	-1,0005
67	0,7225	0,0275	0,0163	1,0032	-1,0005
68	0,6841	0,2326	0,2050	1,0032	-1,0005
69	0,7062	0,0951	0,3276	1,0032	-1,0005
70	0,7041	0,1207	0,0257	1,0032	-1,0005
71	0,6300	0,1300	0,0093	1,0032	-1,0005
72	0,6126	0,0541	0,1841	1,0032	-1,0005
73	0,6155	0,1345	0,0804	1,0032	-1,0005
74	0,6649	0,0017	0,1327	1,0032	-1,0005
75	0,6731	0,0897	0,0915	1,0032	-1,0005
76	0,6428	0,1072	0,1969	1,0032	-1,0005
77	0,6457	0,1876	0,0804	1,0032	-1,0005
78	0,6951	0,1951	0,3827	1,0032	-1,0005
79	0,6702	0,0035	0,1917	1,0032	-1,0005
80	0,6155	0,1345	0,1380	1,0032	-1,0005
81	0,6649	0,1684	0,0339	1,0032	-1,0005
82	0,6951	0,3049	0,1364	1,0032	-1,0005
83	0,7364	0,0697	0,3746	1,0032	-1,0005
84	0,7306	0,4806	0,4109	1,0032	-1,0005
85	0,5987	0,0680	0,5486	1,0032	-1,0005
86	0,5580	0,2246	0,2926	1,0032	-1,0005
87	0,6097	0,2236	0,4483	1,0032	-1,0005

Lampiran 7. Peta Kendali Residual (Lanjutan)

88	0,5992	0,0992	0,3229	1,0032	-1,0005
89	0,6702	0,5035	0,4043	1,0032	-1,0005
90	0,5493	0,2007	0,7042	1,0032	-1,0005
91	0,5498	0,2835	0,0828	1,0032	-1,0005
92	0,6951	0,1382	0,1453	1,0032	-1,0005
93	0,7143	0,5477	0,6859	1,0032	-1,0005
94	0,6260	0,2907	0,8383	1,0032	-1,0005
95	0,5719	0,3448	0,0541	1,0032	-1,0005
96	0,7446	0,1612	0,5060	1,0032	-1,0005
97	0,7004	0,2004	0,0392	1,0032	-1,0005
98	0,6126	0,1374	0,3378	1,0032	-1,0005
99	0,6266	0,6266	0,7639	1,0032	-1,0005
100	0,5847	0,5847	0,0418	1,0032	-1,0005
101	0,4121	0,4121	0,1727	1,0032	-1,0005
102	0,4121	0,4121	0,0000	1,0032	-1,0005
103	0,4121	0,0046	0,4167	1,0032	-1,0005
104	0,4673	0,3660	0,3615	1,0032	-1,0005
105	0,6184	0,6184	0,9845	1,0032	-1,0005
106	0,6039	2,2294	2,8478	1,0032	-1,0005
107	0,7875	0,0375	2,2669	1,0032	-1,0005
108	1,1637	0,9137	0,8762	1,0032	-1,0005
109	0,6179	0,4512	0,4625	1,0032	-1,0005
110	0,4917	0,2417	0,2095	1,0032	-1,0005
111	0,4836	0,5164	0,7581	1,0032	-1,0005
112	0,6021	0,3521	0,8686	1,0032	-1,0005
113	0,6754	0,2587	0,0934	1,0032	-1,0005
114	0,5248	0,0486	0,2101	1,0032	-1,0005
115	0,5711	0,1544	0,1058	1,0032	-1,0005
116	0,5769	0,4936	0,3391	1,0032	-1,0005
117	0,5190	0,3524	0,1412	1,0032	-1,0005
118	0,4533	0,3800	0,7324	1,0032	-1,0005
119	0,5609	0,0053	0,3853	1,0032	-1,0005
120	0,6775	0,0109	0,0056	1,0032	-1,0005
121	0,6283	0,0450	0,0341	1,0032	-1,0005
122	0,6428	0,3572	0,4021	1,0032	-1,0005
123	0,6789	0,0122	0,3694	1,0032	-1,0005
124	0,7306	0,2862	0,2740	1,0032	-1,0005
125	0,6244	0,3744	0,0883	1,0032	-1,0005
126	0,5475	0,3192	0,6936	1,0032	-1,0005
127	0,5845	0,3322	0,0131	1,0032	-1,0005
128	0,7330	0,1003	0,2319	1,0032	-1,0005
129	0,7335	0,2335	0,3338	1,0032	-1,0005
130	0,6702	0,6035	0,3700	1,0032	-1,0005
131	0,5360	0,4527	0,1508	1,0032	-1,0005

Lampiran 7. Peta Kendali Residual (Lanjutan)

132	0,4385	0,0615	0,5142	1,0032	-1,0005
133	0,4975	0,3308	0,3924	1,0032	-1,0005
134	0,5493	0,1048	0,2260	1,0032	-1,0005
135	0,5093	0,5093	0,4045	1,0032	-1,0005
136	0,5144	0,0977	0,4116	1,0032	-1,0005
137	0,4673	0,0228	0,0749	1,0032	-1,0005
138	0,5669	1,8776	1,9004	1,0032	-1,0005
139	0,8383	0,8383	2,7158	1,0032	-1,0005
140	0,9748	0,8637	0,0254	1,0032	-1,0005
141	0,4268	0,3157	0,5480	1,0032	-1,0005
142	0,4524	0,4524	0,1367	1,0032	-1,0005
143	0,4377	0,4377	0,0147	1,0032	-1,0005
144	0,4121	0,4121	0,0256	1,0032	-1,0005
145	0,4121	0,0046	0,4167	1,0032	-1,0005
146	0,4673	0,1340	0,1385	1,0032	-1,0005
147	0,5522	0,1145	0,2485	1,0032	-1,0005
148	0,5771	0,2438	0,3583	1,0032	-1,0005
149	0,6097	0,6403	0,8841	1,0032	-1,0005
150	0,6544	0,5711	1,2114	1,0032	-1,0005
151	0,7109	1,4002	1,9713	1,0032	-1,0005
152	0,7110	0,4610	1,8612	1,0032	-1,0005
153	0,9312	0,4022	0,8631	1,0032	-1,0005
154	0,6463	0,4796	0,8818	1,0032	-1,0005
155	0,7411	0,4078	0,0719	1,0032	-1,0005
156	0,4946	0,4946	0,0869	1,0032	-1,0005
157	0,4888	0,4888	0,0058	1,0032	-1,0005
158	0,4121	0,2787	0,2101	1,0032	-1,0005
159	0,4297	0,4869	0,7657	1,0032	-1,0005
160	0,5642	0,2135	0,2734	1,0032	-1,0005
161	0,7262	0,1627	0,0508	1,0032	-1,0005
162	0,7089	0,0422	0,2050	1,0032	-1,0005
163	0,7050	0,2606	0,2184	1,0032	-1,0005
164	0,6244	0,1244	0,1362	1,0032	-1,0005
165	0,5806	0,1640	0,0395	1,0032	-1,0005
166	0,5824	0,5824	0,4184	1,0032	-1,0005
167	0,5080	0,1747	0,4077	1,0032	-1,0005
168	0,4562	0,1271	0,3018	1,0032	-1,0005
169	0,5661	0,4339	0,3068	1,0032	-1,0005
170	0,6789	0,1545	0,2794	1,0032	-1,0005
171	0,7527	0,9973	0,8428	1,0032	-1,0005
172	0,8358	1,4142	0,4169	1,0032	-1,0005

● = Out Of Control

Lampiran 8. Peta Kendali MCD

i	U_i	W_i	e_i	UCL	LCL
1	1,0000	0,6775	0,3624		
2	0,7500	0,6854	0,0725	1,9964	-0,6415
3	0,9167	0,7109	0,2312	2,0044	-0,6335
4	0,2500	0,6602	-0,4609	2,0298	-0,6081
5	0,6667	0,6609	0,0065	1,9791	-0,6588
6	1,0000	0,6982	0,3391	1,9798	-0,6580
7	0,9167	0,7222	0,2185	2,0171	-0,6207
8	0,7500	0,7253	0,0278	2,0412	-0,5967
9	1,0000	0,7555	0,2747	2,0442	-0,5936
10	0,8333	0,7641	0,0778	2,0744	-0,5634
11	0,2500	0,7075	-0,5141	2,0830	-0,5549
12	0,5000	0,6847	-0,2075	2,0264	-0,6114
13	0,3333	0,6460	-0,3514	2,0036	-0,6342
14	0,5833	0,6391	-0,0627	1,9650	-0,6729
15	0,0000	0,5688	-0,6391	1,9581	-0,6798
16	0,0000	0,5063	-0,5688	1,8878	-0,7501
17	0,5833	0,5147	0,0771	1,8252	-0,8127
18	0,5000	0,5131	-0,0147	1,8337	-0,8042
19	0,5000	0,5117	-0,0131	1,8321	-0,8058
20	0,5833	0,5196	0,0717	1,8306	-0,8073
21	0,3333	0,4991	-0,1862	1,8385	-0,7994
22	0,5000	0,4992	0,0009	1,8180	-0,8199
23	0,5000	0,4993	0,0008	1,8181	-0,8198
24	1,0000	0,5543	0,5007	1,8182	-0,8197
25	1,0000	0,6034	0,4457	1,8733	-0,7646
26	0,1667	0,5553	-0,4367	1,9223	-0,7156
27	0,8333	0,5859	0,2780	1,8743	-0,7636
28	0,4167	0,5673	-0,1692	1,9048	-0,7330
29	1,0000	0,6149	0,4327	1,8862	-0,7516
30	1,0000	0,6573	0,3851	1,9338	-0,7040
31	0,7500	0,6675	0,0927	1,9762	-0,6617
32	0,5000	0,6490	-0,1675	1,9864	-0,6515
33	0,5833	0,6418	-0,0657	1,9680	-0,6699
34	0,8333	0,6629	0,1915	1,9607	-0,6771
35	0,7500	0,6725	0,0871	1,9818	-0,6561
36	0,5714	0,6613	-0,1010	1,9914	-0,6465
37	0,8333	0,6803	0,1720	1,9803	-0,6576
38	0,9167	0,7063	0,2364	1,9992	-0,6387
39	1,0000	0,7386	0,2937	2,0252	-0,6127
40	0,6667	0,7307	-0,0719	2,0575	-0,5804
41	1,0000	0,7603	0,2693	2,0496	-0,5883
42	0,5833	0,7408	-0,1770	2,0792	-0,5586
43	1,0000	0,7693	0,2592	2,0598	-0,5781

Lampiran 8. Peta Kendali MCD (Lanjutan)

44	0,7500	0,7672	-0,0193	2,0883	-0,5496
45	1,0000	0,7928	0,2328	2,0861	-0,5517
46	1,0000	0,8156	0,2072	2,1117	-0,5261
47	1,0000	0,8359	0,1844	2,1345	-0,5033
48	1,0000	0,8539	0,1641	2,1548	-0,4830
49	1,7500	0,9525	0,8961	2,1729	-0,4650
50	0,3333	0,8844	-0,6192	2,2714	-0,3664
51	0,6667	0,8604	-0,2177	2,2033	-0,4345
52	0,9167	0,8666	0,0562	2,1794	-0,4585
53	0,9167	0,8721	0,0500	2,1856	-0,4523
54	1,0000	0,8862	0,1279	2,1911	-0,4468
55	0,8333	0,8804	-0,0529	2,2051	-0,4327
56	0,7500	0,8660	-0,1304	2,1993	-0,4385
57	0,4167	0,8166	-0,4494	2,1850	-0,4529
58	0,8333	0,8185	0,0167	2,1355	-0,5023
59	0,9167	0,8293	0,0982	2,1374	-0,5005
60	0,7500	0,8205	-0,0793	2,1482	-0,4897
61	0,8333	0,8219	0,0128	2,1395	-0,4984
62	0,9167	0,8324	0,0947	2,1409	-0,4970
63	1,0000	0,8508	0,1676	2,1513	-0,4866
64	0,7500	0,8397	-0,1008	2,1697	-0,4681
65	0,9167	0,8482	0,0770	2,1586	-0,4792
66	0,7500	0,8374	-0,0982	2,1671	-0,4708
67	0,7500	0,8278	-0,0874	2,1563	-0,4816
68	0,9167	0,8375	0,0889	2,1467	-0,4912
69	0,6111	0,8126	-0,2264	2,1565	-0,4814
70	0,5833	0,7874	-0,2293	2,1316	-0,5063
71	0,5000	0,7558	-0,2874	2,1063	-0,5315
72	0,6667	0,7460	-0,0891	2,0747	-0,5631
73	0,7500	0,7464	0,0040	2,0649	-0,5729
74	0,6667	0,7377	-0,0798	2,0654	-0,5725
75	0,5833	0,7207	-0,1543	2,0566	-0,5813
76	0,7500	0,7239	0,0293	2,0396	-0,5982
77	0,8333	0,7359	0,1094	2,0428	-0,5950
78	0,5000	0,7100	-0,2359	2,0549	-0,5830
79	0,6667	0,7052	-0,0433	2,0289	-0,6089
80	0,7500	0,7102	0,0448	2,0242	-0,6137
81	0,8333	0,7237	0,1232	2,0291	-0,6088
82	1,0000	0,7541	0,2763	2,0426	-0,5952
83	0,6667	0,7445	-0,0874	2,0730	-0,5648
84	0,2500	0,6901	-0,4945	2,0634	-0,5745
85	0,6667	0,6875	-0,0234	2,0090	-0,6288
86	0,3333	0,6485	-0,3542	2,0064	-0,6314
87	0,8333	0,6689	0,1848	1,9675	-0,6704

Lampiran 8. Peta Kendali MCD (Lanjutan)

88	0,5000	0,6503	-0,1689	1,9878	-0,6501
89	0,1667	0,5971	-0,4836	1,9692	-0,6686
90	0,7500	0,6139	0,1529	1,9160	-0,7218
91	0,8333	0,6381	0,2194	1,9329	-0,7050
92	0,8333	0,6595	0,1953	1,9570	-0,6809
93	0,1667	0,6053	-0,4929	1,9785	-0,6594
94	0,9167	0,6396	0,3113	1,9243	-0,7136
95	0,9167	0,6700	0,2771	1,9585	-0,6794
96	0,5833	0,6605	-0,0867	1,9890	-0,6489
97	0,5000	0,6429	-0,1605	1,9794	-0,6584
98	0,7500	0,6546	0,1071	1,9618	-0,6761
99	0,0000	0,5826	-0,6546	1,9736	-0,6643
100	0,0000	0,5185	-0,5826	1,9016	-0,7363
101	0,0000	0,4615	-0,5185	1,8375	-0,8004
102	0,0000	0,4107	-0,4615	1,7804	-0,8574
103	0,4167	0,4114	0,0059	1,7297	-0,9082
104	0,8333	0,4578	0,4219	1,7303	-0,9075
105	0,0000	0,4074	-0,4578	1,7767	-0,8611
106	2,8333	0,6743	2,4259	1,7264	-0,9115
107	0,7500	0,6826	0,0757	1,9932	-0,6446
108	0,2500	0,6350	-0,4326	2,0016	-0,6363
109	0,1667	0,5835	-0,4684	1,9540	-0,6839
110	0,2500	0,5468	-0,3335	1,9024	-0,7354
111	1,0000	0,5967	0,4532	1,8658	-0,7721
112	0,2500	0,5585	-0,3467	1,9156	-0,7223
113	0,4167	0,5429	-0,1419	1,8775	-0,7604
114	0,4762	0,5356	-0,0667	1,8619	-0,7760
115	0,4167	0,5225	-0,1189	1,8545	-0,7833
116	0,0833	0,4742	-0,4392	1,8414	-0,7964
117	0,1667	0,4404	-0,3075	1,7931	-0,8447
118	0,8333	0,4836	0,3930	1,7593	-0,8786
119	0,5556	0,4915	0,0720	1,8025	-0,8353
120	0,6667	0,5108	0,1752	1,8104	-0,8274
121	0,5833	0,5188	0,0726	1,8297	-0,8082
122	1,0000	0,5717	0,4812	1,8377	-0,8002
123	0,6667	0,5821	0,0950	1,8906	-0,7472
124	0,4444	0,5670	-0,1377	1,9011	-0,7368
125	0,2500	0,5321	-0,3170	1,8859	-0,7519
126	0,8667	0,5689	0,3345	1,8511	-0,7868
127	0,9167	0,6072	0,3477	1,8879	-0,7500
128	0,8333	0,6321	0,2262	1,9261	-0,7118
129	0,5000	0,6175	-0,1321	1,9510	-0,6869
130	0,0667	0,5569	-0,5509	1,9365	-0,7014
131	0,0833	0,5048	-0,4736	1,8759	-0,7620

Lampiran 8. Peta Kendali MCD (Lanjutan)

132	0,5000	0,5043	-0,0048	1,8238	-0,8141
133	0,1667	0,4672	-0,3376	1,8232	-0,8146
134	0,4444	0,4647	-0,0227	1,7861	-0,8518
135	0,0000	0,4136	-0,4647	1,7836	-0,8543
136	0,4167	0,4139	0,0031	1,7325	-0,9054
137	0,4444	0,4173	0,0305	1,7328	-0,9050
138	2,4444	0,6402	2,0272	1,7362	-0,9017
139	0,0000	0,5698	-0,6402	1,9592	-0,6787
140	0,1111	0,5194	-0,4587	1,8888	-0,7491
141	0,1111	0,4745	-0,4083	1,8383	-0,7996
142	0,0000	0,4223	-0,4745	1,7934	-0,8445
143	0,0000	0,3758	-0,4223	1,7412	-0,8967
144	0,0000	0,3345	-0,3758	1,6947	-0,9431
145	0,4167	0,3435	0,0822	1,6534	-0,9845
146	0,3333	0,3424	-0,0102	1,6624	-0,9754
147	0,6667	0,3781	0,3243	1,6613	-0,9765
148	0,3333	0,3731	-0,0447	1,6970	-0,9409
149	1,2500	0,4696	0,8769	1,6921	-0,9458
150	0,0833	0,4271	-0,3863	1,7885	-0,8493
151	2,1111	0,6124	1,6840	1,7460	-0,8918
152	0,2500	0,5725	-0,3624	1,9313	-0,7066
153	1,3333	0,6562	0,7608	1,8914	-0,7464
154	0,1667	0,6023	-0,4895	1,9751	-0,6627
155	0,3333	0,5727	-0,2690	1,9213	-0,7166
156	0,0000	0,5097	-0,5727	1,8917	-0,7462
157	0,0000	0,4537	-0,5097	1,8287	-0,8092
158	0,1333	0,4184	-0,3203	1,7726	-0,8653
159	0,9167	0,4732	0,4982	1,7374	-0,9005
160	0,7778	0,5067	0,3045	1,7922	-0,8457
161	0,8889	0,5488	0,3821	1,8257	-0,8122
162	0,6667	0,5617	0,1179	1,8677	-0,7702
163	0,4444	0,5488	-0,1173	1,8807	-0,7572
164	0,5000	0,5435	-0,0488	1,8678	-0,7701
165	0,4167	0,5295	-0,1268	1,8624	-0,7755
166	0,0000	0,4713	-0,5295	1,8485	-0,7894
167	0,3333	0,4561	-0,1379	1,7902	-0,8477
168	0,5833	0,4701	0,1272	1,7750	-0,8628
169	1,0000	0,5284	0,5299	1,7890	-0,8488
170	0,8333	0,5619	0,3049	1,8473	-0,7905
171	1,7500	0,6926	1,1881	1,8809	-0,7570
172	2,2500	0,8639	1,5574	2,0115	-0,6263

● = Out Of Control