DAFTAR PUSTAKA

Abram, S. V., Helwig, N. E., Moodie, C. A., DeYoung, C. G., MacDonald, A. W., & Waller, N. G. 2016. Bootstrap Enhanced Penalized Regression for Variable Selection with Neuroimaging Data. *Frontiers in Neuroscience, **10**(344).*

Afina. 2020. Analisis Pengaruh Tingkat Pendidikan dan Jumlah Penduduk Terhadap Kemiskinan di Provinsi Riau. Skripsi. Program Studi Ekonomi Pembangunan, Fakultas Ekonomi: Universitas Islam Riau.

Arda, N. A. 2022. *Penggunaan Metode Regresi Kuantil Komponen Utama Pada Data Angka Kematian Bayi Di Provinsi Sulawesi Selatan.* Skripsi. Program Studi Statistika, Departemen Statistika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Hasanuddin.

Badan Pusat Statistik. 2023. *Data dan Informasi Kemiskinan Provinsi Sulawesi Selatan 2022*. Makassar: Badan Pusat Statistik Sulawesi Selatan.

Balami, A.M. 2017. *Estimasi Parameter Regresi Kuantil Pada Kasus Demam Berdarah Dengue di Kota Surabaya*. Tesis. Departemen Statistika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Institut Teknologi Sepuluh Nopember.

Beyaztas, U., & Shang, H. L. 2022. Function-on-Function Linear Quantile Regression. *Mathematical Modelling and Analysis, **27**(2)*: 322 – 341.

Bowo, K. A., Hoyyi, A., & Mukid, M, A. 2013. Analisis Faktor-Faktor Yang Mempengaruhi Keputusan Pembelian dan Kepuasan Konsumen Pada Notebook Merek Acer (Studi Kasus Mahasiswa Universitas Diponegoro). *Jurnal Gaussian, **2**(1)*: 29 – 38.

Effendi, R., Maiyastri., Diana, R. 2019. Perbandingan Metode Regresi Kuantil Dan Metode Bayes Dalam Mengestimasi Parameter Model Regresi Linier Sederhana Dengan Galat Heteroskedastisitas. *Jurnal Matematika UNTAD*, ***8****(1)*: 291 – 298.

Fransiska, H., Rini, D. S., & Agustina, D. 2020. Penerapan Regresi Kuantil Pada Data Kemiskinan Bengkulu (Applied Quantile Regression on Poverty Data In Bengkulu). *Seminar Nasional Official Statistics 2020: Statistics sIn The New Normal: A Challenge of Big Data and Official Statistics.*

Gujarati, D. N. 2004. *Basic Econometrics, 4 rd edition*. United States of America: The McGraw-Hill Companies.

Gumilar, R. G. 2022. *Faktor-Faktor yang Memengaruhi Kemiskinan di Pulau Jawa Tahun 2013-2020: Analisis Data Panel.* Skripsi. Program Studi Ekonomi Pembangunan, Fakultas Ekonomi dan Bisnis: Universitas Muhammadiyah Surakarta.

Halamury, Z., Patty, H. W. M., & Delsen, M. S. N. V. 2022. Analisis Indeks Pembangunan Manusia (IPM) dengan Menggunakan Analisis Regresi Kuantil. *PARAMETER : Jurnal Matematika, Statistika, dan Terapannya,* ***1****(2)*: 129 – 138.

Hapsery, A. 2017. *Regresi Kuantil Berbasis Model Rekursif Dan Estimasi Sparsity Untuk Analisis Publikasi Dosen ITS di Scopus.* Tesis. Jurusan Statistika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Institut Teknologi Sepuluh Nopember.

Isnaini, S. J., & Nugroho, R. Y. Y. 2020. Analisis Determinan Kemiskinan di Jawa Timur Tahun 2018. *Jurnal GeoEkonomi,* ***11****(2)*: 176 – 187.

Khairunisa. 2015. *Estimasi Parameter Analisis Regresi Kuantil Menggunakan Metode Simpleks Atau Metode Interior Point.* Skripsi. Departemen Matematika Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Sumatera Utara.

Koenker, R., & Bassett, G. 1978. Quantile Regression Econometrica. *Journal of the Econometric Society*. ***46****(1)*: 33 – 50.

Kutner, M.H., Nachtsheim, C.J., & Neter, J. 2004. *Applied Linear Regression Models. 4th Edition,* United States of America: The McGraw-Hill Companies.

Monalisa, A. 2016. *Penggunaan metode resampling bootstrap untuk data simulasi time series model ARIMA.* Skripsi. Jurusan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Jember

Nababan, C. E., & Simamora, E. 2023. Estimasi Bootstrap untuk Interval Kepercayaan Parameter Regresi Berganda dengan Adanya Multikolinearitas Menggunakan Principal Component Analysis. *Formosa Journal of Applied Sciences (FJAS),* ***2****(1)*: 185 – 202.

Nabilla, Y. F. 2019. *Penggunaan Metode Regresi Kuantil Median Untuk Mengatasi Heteroskedastisitas Pada Regresi Nonlinear (Studi KAsus Pada Data Nilai Harapan Hidup Terhadap Biaya Perawatan Medis).* Skripsi. Jurusan Matematika, Fakultas Sains dan Teknologi : Universitas Islam Negeri Maulana Malik Ibrahim Malang.

Nurfauziah, F. L. 2020. Permodalan, Efisiensi, Risiko Kredit, dan Likuiditas Bank Perkreditan Rakyat di Jawa Barat: Aplikasi Regresi Kuantil Bootstrap. *Jurnal Akuntansi, **14****(2)*: 102 – 131.

Nurmayanti, L., & Sudrajat, A. 2021. Implementasi linear programming metode simpleks pada home industry. *Jurnal Manajemen, **13****(3)*: 431 – 438.

Oktafia, M., Yanuar, F., & Maiyastri. 2016. Analisis Estimasi Parameter Regresi Kuantil Dengan Metode Bootstrap. *Jurnal Matematika Unand*, ***5****(1)*: 125 – 130.

Putri, B. P. 2019. *Penerapan Metode Bootstrap Dalam Menentukan Confidence Interval Parameter Regresi.* Skripsi. Jurusan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Jember.

Rahmawati, R., Widiarti., Novianti, P. 2011. Regresi Kuantil (Studi Kasus Pada Data Suhu Harian). *Seminar Nasional Statistika* : Universitas Diponegoro.

Rizki, M. I., & Taqiyuddin, T. A. 2021. Pemodelan Regresi Kuantil Pada Tingkat Pengangguran Terbuka (Studi Kasus di Provinsi Jawa Barat tahun 2017-2020). *Seminar Nasional Statistika Online*: Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Padjajaran.

Rodliyah, I. 2016. Perbandingan Metode Bootstrap dan Jackknife Dalam Mengestimasi Parameter Regresi Linier Berganda. *Jurnal Matematika dan Pendidikan Matematika, **1**(1)*: 76 – 86.

Rohmah, I. S., & Prakoso, J.A. 2022. Pengaruh IPM, RLS, TPT, dan Pengeluaran Perkapita Terhadap Kemiskinan di Provinsi Jawa Barat. *Trans Ekonomika: Akuntansi, Bisnis dan Keuangan, **2**(6)*: 255-266.

Saputri, O. D., Yanuar, F., & Devianto, D. 2018. Simulation Study of the Implementation of Quantile Bootstrap Method on Autocorrelated Error. *CAUCHY – Jurnal Matematika Murni dan Aplikasi, **5**(3)*: 95 – 101.

Saputro, M. H., (2022). Analisis Pengaruh Tingkat Kemiskinan Terhadap Indeks Pembangunan Manusia (IPM) dengan Model Regresi Linear. *EKOMBIS REVIEW: Jurnal Ilmiah Ekonomi Dan Bisnis*, **10**(2): 809 – 816.

Sari, R. A., Wijayanto, H., & Indahwati, I. 2017. Perbandingan Beberapa Metode Kekar pada Pendugaan Parameter Regresi Linier Sederhana untuk Data yang Mengandung Pencilan. *Biostatistics, **11**(1)*: 33 – 51.

Sihombing, P. R., Suryadiningrat., Sunarjo, D. A., Paulus, Y., & Yuda, A. C. 2022. Identifikasi Data Outlier (Pencilan) dan Kenormalan Data Pada Data Univariat serta Alternatif Penyelesaiannya. *Jurnal Ekonomi dan Statistik Indonesia, **2**(3)*: 307 – 316.

Sihombing, R. J. 2021. *Metode Jackknife dan Metode Bootstrap dalam Estimasi Kurtosis dan Skewness.* Skripsi. Jurusan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Negeri Medan.

Wulandari, N., Agussalim., & Fitriani, R. 2022. Pengaruh Investasi dan Tenaga Kerja Terhadap Kemiskinan di Sulawesi Selatan. *Development Policy and Management Review (DPMR), **2**(1)*: 1 – 21.

Yanuar, F., Yozza, H., Firdawati, F., Rahmi, I., & Zetra, A. 2019. Applying bootstrap quantile regression for the construction of a low birth weight model. *Makara Journal of health research, **23**(2)*: 90 – 95.

Youlanda, S. R. 2015. *Perbandingan Metode Regresi Weighted Least Square (WLS) Untuk Menyelesaikan Heteroskedastisitas Pada Analisis Regresi.* Skripsi. Jurusan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam: Universitas Jember.

LAMPIRAN

Lampiran 1. Data Kemiskinan Provinsi Sulawesi Selatan Tahun 2020-2022

Kab/Kota	Angka Kemiskinan		
	2020	**2021**	**2022**
Selayar	12.48	12.45	12.24
Bulukumba	7.10	7.43	7.39
Bantaeng	8.95	9.41	9.07
Jeneponto	14.58	14.28	13.73
Takalar	8.44	8.25	8.25
Gowa	7.38	7.54	7.36
Sinjai	9.00	8.84	8.80
Maros	9.74	9.57	9.43
Pangkep	13.96	14.28	13.92
Barru	8.26	8.68	8.40
Bone	10.68	10.52	10.58
Soppeng	7.59	7.53	7.49
Wajo	6.95	6.46	6.57
Sidrap	5.05	5.04	5.11
Pinrang	8.86	8.81	8.79
Enrekang	12.17	12.47	12.39
Luwu	12.65	12.53	12.49
Tana Toraja	12.10	12.27	12.18
Luwu Utara	13.41	13.59	13.22
Luwu Timur	6.85	6.94	6.81
Toraja Utara	12.01	11.99	11.65
Kota Makassar	4.54	4.82	4.58
Kota Pare pare	5.44	5.40	5.41
Kota Palopo	7.85	8.14	7.78

Lampiran 2. Data IPM Provinsi Sulawesi Selatan Tahun 2020-2022

Kab/Kota	IPM		
	2020	**2021**	**2022**
Selayar	67.38	67.76	68.35
Bulukumba	68.99	69.62	70.34
Bantaeng	68.73	68.99	69.69
Jeneponto	64.26	64.56	65.13
Takalar	67.31	67.72	68.31
Gowa	70.14	70.29	70.99
Sinjai	67.6	67.75	68.33
Maros	69.86	70.41	71
Pangkep	68.72	69.21	69.79
Barru	71	71.13	71.53
Bone	66.06	66.4	67.01
Soppeng	68.67	68.99	69.7
Wajo	69.15	69.62	70.26
Sidrap	71.21	71.54	72.06
Pinrang	71.26	71.45	71.97
Enrekang	72.76	72.91	73.39
Luwu	70.51	70.85	71.36
Tana Toraja	68.75	69.49	69.88
Luwu Utara	69.57	70.02	70.51
Luwu Timur	73.22	73.34	73.92
Toraja Utara	69.33	69.75	70.36
Kota Makassar	82.25	82.66	83.12
Kota Pare pare	77.86	78.21	78.54
Kota Palopo	78.06	78.83	78.91

Lampiran 3. Data APM Provinsi Sulawesi Selatan Tahun 2020-2022

Kab/Kota	APM		
	2020	2021	2022
Selayar	76.33	76.46	76.21
Bulukumba	82.49	82.80	82.85
Bantaeng	73.35	73.41	74.22
Jeneponto	71.87	72.38	70.89
Takalar	76.70	77.00	77.00
Gowa	77.26	78.30	79.10
Sinjai	80.69	81.19	80.84
Maros	79.46	80.43	80.45
Pangkep	75.95	75.98	74.64
Barru	80.80	81.01	81.48
Bone	77.83	77.30	75.63
Soppeng	82.16	82.13	82.28
Wajo	70.85	71.29	73.13
Sidrap	78.24	77.98	77.99
Pinrang	77.55	77.88	77.94
Enrekang	83.45	83.20	83.45
Luwu	79.80	80.03	79.38
Tana Toraja	77.20	77.90	78.28
Luwu Utara	76.80	77.42	76.30
Luwu Timur	79.57	79.45	80.35
Toraja Utara	83.54	83.73	83.76
Kota Makassar	78.36	79.25	80.77
Kota Pare pare	78.89	79.19	79.57
Kota Palopo	81.65	82.43	82.62

Lampiran 4. Data TPT Provinsi Sulawesi Selatan Tahun 2020-2022

Kab/Kota	TPT		
	2020	**2021**	**2022**
Selayar	2.44	2.81	1.49
Bulukumba	3.42	3.14	1.26
Bantaeng	4.27	4.07	2.72
Jeneponto	2.31	2.38	2.21
Takalar	4.16	3.93	2.63
Gowa	6.44	4.30	3.26
Sinjai	2.65	2.61	1.80
Maros	6.28	6.30	5.04
Pangkep	5.18	5.86	5.23
Barru	6.39	6.74	5.32
Bone	3.20	4.15	2.27
Soppeng	4.42	3.92	3.40
Wajo	4.33	4.32	2.54
Sidrap	5.91	4.93	3.56
Pinrang	4.19	4.06	2.79
Enrekang	2.44	2.34	0.58
Luwu	4.94	4.80	3.85
Tana Toraja	2.60	3.09	2.32
Luwu Utara	3.01	3.91	2.81
Luwu Timur	4.46	4.96	4.48
Toraja Utara	3.17	2.61	1.99
Kota Makassar	15.92	13.18	11.82
Kota Pare pare	7.14	6.72	5.60
Kota Palopo	10.37	8.83	8.20

Lampiran 5. Uji *Mahalanobis Distance*

No	y	X1	X2	X3	Nilai Mahalanobis	Status
1	12.48	67.38	76.33	2.44	0.990248	Tidak Outlier
2	7.1	68.99	82.49	3.42	2.687278	Tidak Outlier
3	8.95	68.73	73.35	4.27	2.527652	Tidak Outlier
4	14.58	64.26	71.87	2.31	5.214543	Tidak Outlier
5	8.44	67.31	76.7	4.16	1.76186	Tidak Outlier
6	7.38	70.14	77.26	6.44	2.113384	Tidak Outlier
7	9	67.6	80.69	2.65	1.903954	Tidak Outlier
8	9.74	69.86	79.46	6.28	2.890245	Tidak Outlier
9	13.96	68.72	75.95	5.18	1.672991	Tidak Outlier
10	8.26	71	80.8	6.39	2.560041	Tidak Outlier
11	10.68	66.06	77.83	3.2	2.404887	Tidak Outlier
12	7.59	68.67	82.16	4.42	3.719916	Tidak Outlier
13	6.95	69.15	70.85	4.33	5.771943	Tidak Outlier
14	5.05	71.21	78.24	5.91	0.636164	Tidak Outlier
15	8.86	71.26	77.55	4.19	0.292916	Tidak Outlier
16	12.17	72.76	83.45	2.44	4.14428	Tidak Outlier
17	12.65	70.51	79.8	4.94	0.560556	Tidak Outlier
18	12.1	68.75	77.2	2.6	0.623251	Tidak Outlier
19	13.41	69.57	76.8	3.01	0.668447	Tidak Outlier
20	6.85	73.22	79.57	4.46	0.838005	Tidak Outlier
21	12.01	69.33	83.54	3.17	3.494441	Tidak Outlier
22	4.54	82.25	78.36	15.92	19.33756	Outlier
23	5.44	77.86	78.89	7.14	4.045171	Tidak Outlier
24	7.85	78.06	81.65	10.37	5.447866	Tidak Outlier
25	12.45	67.76	76.46	2.81	0.789859	Tidak Outlier
26	7.43	69.62	82.8	3.14	2.449728	Tidak Outlier
27	9.41	68.99	73.41	4.07	2.470121	Tidak Outlier
28	14.28	64.56	72.38	2.38	4.570645	Tidak Outlier
29	8.25	67.72	77	3.93	1.144515	Tidak Outlier
30	7.54	70.29	78.3	4.3	0.040997	Tidak Outlier
31	8.84	67.75	81.19	2.61	2.158448	Tidak Outlier
32	9.57	70.41	80.43	6.3	2.845336	Tidak Outlier
33	14.28	69.21	75.98	5.86	2.162861	Tidak Outlier
34	8.68	71.13	81.01	6.74	3.237726	Tidak Outlier
35	10.52	66.4	77.3	4.15	3.049583	Tidak Outlier
36	7.53	68.99	82.13	3.92	2.682796	Tidak Outlier
37	6.46	69.62	71.29	4.32	5.323037	Tidak Outlier
38	5.04	71.54	77.98	4.93	0.090516	Tidak Outlier

No	y	X1	X2	X3	Nilai Mahalanobis	Status
39	8.81	71.45	77.88	4.06	0.346839	Tidak Outlier
40	12.47	72.91	83.2	2.34	4.335418	Tidak Outlier
41	12.53	70.85	80.03	4.8	0.400274	Tidak Outlier
42	12.27	69.49	77.9	3.09	0.301861	Tidak Outlier
43	13.59	70.02	77.42	3.91	0.151986	Tidak Outlier
44	6.94	73.34	79.45	4.96	0.56902	Tidak Outlier
45	11.99	69.75	83.73	2.61	3.425743	Tidak Outlier
46	4.82	82.66	79.25	13.18	11.55538	Outlier
47	5.4	78.21	79.19	6.72	4.967399	Tidak Outlier
48	8.14	78.83	82.43	8.83	4.239114	Tidak Outlier
49	12.24	68.35	76.21	1.49	2.054043	Tidak Outlier
50	7.39	70.34	82.85	1.26	3.94554	Tidak Outlier
51	9.07	69.69	74.22	2.72	2.976709	Tidak Outlier
52	13.73	65.13	70.89	2.21	5.811402	Tidak Outlier
53	8.25	68.31	77	2.63	0.631733	Tidak Outlier
54	7.36	70.99	79.1	3.26	0.528269	Tidak Outlier
55	8.8	68.33	80.84	1.8	1.710685	Tidak Outlier
56	9.43	71	80.45	5.04	0.666426	Tidak Outlier
57	13.92	69.79	74.64	5.23	1.696145	Tidak Outlier
58	8.4	71.53	81.48	5.32	1.218953	Tidak Outlier
59	10.58	67.01	75.63	2.27	1.36328	Tidak Outlier
60	7.49	69.7	82.28	3.4	1.944104	Tidak Outlier
61	6.57	70.26	73.13	2.54	5.296926	Tidak Outlier
62	5.11	72.06	77.99	3.56	1.219577	Tidak Outlier
63	8.79	71.97	77.94	2.79	2.348659	Tidak Outlier
64	12.39	73.39	83.45	0.58	9.967267	Outlier
65	12.49	71.36	79.38	3.85	0.253321	Tidak Outlier
66	12.18	69.88	78.28	2.32	1.040411	Tidak Outlier
67	13.22	70.51	76.3	2.81	1.740613	Tidak Outlier
68	6.81	73.92	80.35	4.48	1.382862	Tidak Outlier
69	11.65	70.36	83.76	1.99	3.74454	Tidak Outlier
70	4.58	83.12	80.77	11.82	10.00372	Outlier
71	5.41	78.54	79.57	5.6	7.556598	Tidak Outlier
72	7.78	78.91	82.62	8.2	4.281426	Tidak Outlier

Lampiran 6. Nilai Residual Tiap Kuantil

No	θ = 0.1	θ = 0.2	θ = 0.3	θ = 0.4	θ = 0.5	θ = 0.6	θ = 0.7	θ = 0.8	θ = 0.9
1	5.068699	4.510415	3.994906	2.718638	2.268513	0.601755	-0.22662	-0.89211	-2.15505
2	-0.44099	-0.6651	-1.5004	-1.68402	-2.85976	-4.018	-4.27586	-4.97061	-6.49942
3	2.031719	1.3735	1.090175	-0.57295	-0.53627	-1.92048	-3.1027	-3.73099	-4.73501
4	6.849601	5.955772	5.487737	3.334144	3.541658	2.21802	0.873781	0.168084	-1.49597
5	0.974921	0.40664	-0.21133	-1.40307	-1.73184	-2.59175	-3.49885	-4.19539	-5.80843
6	0.450308	-1.78E-15	-0.51946	-1.44482	-1.73645	-2.2007	-3.10792	-3.76742	-5.11485
7	1.307636	0.952205	0.155442	-0.40034	-1.37393	-2.6819	-3.10593	-3.80972	-5.40711
8	2.588408	2.226964	1.544767	0.959476	0.393779	0.083296	-0.61576	-1.30117	-2.86895
9	6.839316	6.285123	5.789643	4.562038	4.366941	3.577935	2.581377	1.914716	0.537692
10	1.24622	0.993497	0.310627	3.55E-15	-0.7645	-1.19364	-1.73553	-2.40445	-3.81322
11	2.875233	2.316145	1.560946	0.475436	-0.0342	-0.94795	-1.72834	-2.45493	-4.30504
12	8.88E-16	-0.26668	-1.14807	-1.38452	-2.41184	-3.07569	-3.43999	-4.15519	-5.91369
13	0.306008	-0.44706	-0.53203	-2.5786	-2.2461	-3.88279	-5.29027	-5.88457	-6.59114
14	-1.72537	-2.07744	-2.55249	-3.27536	-3.77989	-4.65686	-5.40175	-6.03371	-7.09804
15	2.15813	1.800782	1.447868	0.587655	0.001813	-1.70059	-2.39756	-2.99599	-3.68935
16	5.353064	5.350787	4.800825	4.941291	3.405785	1.006387	1.028313	0.44087	-0.04479
17	5.618027	5.318724	4.723179	4.202956	3.442185	2.410417	1.851754	1.200685	0.00462
18	4.909438	4.448132	3.979967	2.914298	2.31872	0.46795	-0.24305	-0.88217	-1.899
19	6.418245	5.969269	5.577605	4.493955	3.954214	2.065964	1.31819	0.698847	-0.15143
20	0.405736	0.221437	-0.11711	-0.54976	-1.43489	-3.326	-3.7847	-4.35331	-4.76455
21	4.463418	4.304859	3.437888	3.436932	2.095159	0.82319	0.691737	1.78E-15	-1.48428
22	3.55E-15	8.88E-16	0	1.78E-15	-1.33E-14	1.011917	4.44E-15	-0.48465	-0.54196
23	4.44E-15	-0.04825	-0.07448	-0.34652	-1.07558	-2.90393	-3.44488	-3.9219	-3.58217
24	2.224118	2.264503	1.935394	2.172861	1.405304	1.165133	0.681888	0.136031	-0.26544
25	5.106068	4.565214	4.056605	2.826024	2.380252	0.798953	-0.0284	-0.69039	-1.93333
26	-0.00039	-0.17911	-0.97182	-1.07894	-2.34424	-3.75063	-3.94014	-4.61663	-5.96278
27	2.543002	1.901617	1.643932	1.78E-15	-1.07E-14	-1.52905	-2.68399	-3.30286	-4.21114
28	6.573837	5.715134	5.234718	3.179566	3.319373	1.994168	0.703455	5.33E-15	-1.64216
29	0.849876	0.316208	-0.27858	-1.4054	-1.80906	-2.84454	-3.69482	-4.37969	-5.87341
30	0.578302	0.210666	-0.27612	-1.06053	-1.68965	-3.06342	-3.7293	-4.36262	-5.38006
31	1.141951	0.81613	0	-0.4681	-1.51274	-2.83701	-3.20635	-3.91021	-5.50329
32	2.460949	2.166961	1.464275	1.063365	0.358917	1.07E-14	-0.59063	-1.27064	-2.78207
33	7.255114	6.714427	6.228509	5.040824	4.887567	4.288852	3.267522	2.603648	1.227861
34	1.67541	1.433033	0.732134	0.467589	-0.29443	-0.5831	-1.1235	-1.79612	-3.25075
35	2.819662	2.23862	1.506708	0.367458	-1.24E-14	-0.60939	-1.48976	-2.21637	-4.10514
36	0.012569	-0.23458	-1.06686	-1.30065	-2.38457	-3.34694	-3.67104	-4.36985	-5.95748
37	-0.1184	-0.83095	-0.90638	-2.85883	-2.59978	-4.31814	-5.66782	-6.25344	-6.87562
38	-1.64032	-1.9762	-2.36588	-3.13067	-3.70974	-5.11739	-5.81236	-6.41834	-7.20622
39	2.12412	1.791722	1.437807	0.638235	-0.00797	-1.78827	-2.4394	-3.03388	-3.68328

No	θ = 0.1	θ = 0.2	θ = 0.3	θ = 0.4	θ = 0.5	θ = 0.6	θ = 0.7	θ = 0.8	θ = 0.9
40	5.70381	5.698233	5.181379	5.28706	3.766774	1.269975	1.27984	0.700293	0.290188
41	5.552956	5.280817	4.703615	4.235013	3.419282	2.263076	1.74649	1.104516	-5.33E-15
42	5.178787	4.774681	4.299848	3.391777	2.727887	0.97363	0.321592	-0.31147	-1.28497
43	6.640124	6.226421	5.792527	4.845998	4.298276	2.750142	2.017591	1.39111	0.445562
44	0.526484	0.335196	-0.00651	-0.44458	-1.27204	-2.97773	-3.47605	-4.04776	-4.50705
45	4.520887	4.396954	3.575133	3.616393	2.181372	0.576988	0.51368	-0.16016	-1.45564
46	0.317635	0.413178	0.502246	0.621859	0.235306	1.33E-14	-0.73721	-1.17828	-0.72251
47	0.013663	-1.78E-15	-2.66E-15	-0.21315	-1.03285	-3.1072	-3.58104	-4.04517	-3.56779
48	2.627323	2.757637	2.504063	2.880491	1.840092	0.793911	0.509443	0	-1.78E-15
49	5.047069	4.538918	4.15052	2.886819	2.322615	1.42E-14	-0.74582	-1.36982	-2.21191
50	0.119153	-8.88E-16	-0.65839	-0.75279	-2.23183	-4.6366	-4.67575	-5.30522	-6.14359
51	2.298043	1.742266	1.544431	0.043988	-0.21166	-2.44392	-3.41188	-3.99934	-4.55961
52	6.25561	5.357205	5.02977	2.758379	3.042282	1.400977	3.55E-15	-0.67149	-2.01976
53	0.982067	0.492072	0	-1.11912	-1.66996	-3.41973	-4.16621	-4.81576	-5.93237
54	0.492021	0.205295	-0.23397	-0.87146	-1.72545	-3.66551	-4.1654	-4.77184	-5.49499
55	1.254925	0.949882	0.238432	-0.27117	-1.37296	-3.21703	-3.54756	-4.22038	-5.49675
56	2.451379	2.201415	1.598439	1.209125	0.358846	-0.69514	-1.18268	-1.82815	-2.97113
57	7.120845	6.553944	6.231112	4.844484	4.772673	3.66218	2.574792	1.948603	0.937997
58	1.453515	1.269266	0.629273	0.437315	-0.5335	-1.51147	-1.90241	-2.54746	-3.68972
59	3.14467	2.541018	2.049015	0.638472	0.272585	-1.43455	-2.33021	-2.99655	-4.26602
60	0.113469	-0.08869	-0.85112	-1.03433	-2.2142	-3.5615	-3.81411	-4.48742	-5.8171
61	1.78E-15	-0.57735	-0.64843	-2.30048	-2.46205	-4.9858	-6.02572	-6.58483	-6.88182
62	-1.45306	-1.74692	-2.03734	-2.79738	-3.52878	-5.6648	-6.25286	-6.82444	-7.24133
63	2.216975	1.927468	1.665296	0.88021	0.085076	-2.37556	-2.92154	-3.48359	-3.78363
64	5.717368	5.76819	5.347687	5.488694	3.751031	0.379411	0.542678	5.33E-15	-1.78E-15
65	5.674622	5.40862	4.956227	4.391818	3.545149	1.801448	1.302134	0.69423	-0.06227
66	5.147184	4.787811	4.35182	3.511855	2.712574	0.553424	0	-0.61463	-1.38532
67	6.463716	6.036191	5.763066	4.641172	4.106649	1.874931	1.124425	0.538143	-5.33E-15
68	0.453872	0.335059	0.000938	-0.27077	-1.27725	-3.26543	-3.62858	-4.18596	-4.48773
69	4.310484	4.223131	3.475167	3.541046	2.019196	1.60E-14	1.78E-15	-0.6484	-1.6838
70	0.069459	0.27216	0.35458	0.720788	-1.24E-14	-0.83564	-1.32639	-1.74907	-1.06138
71	0.071835	0.105073	0.153679	5.33E-15	-0.9861	-3.60681	-3.96141	-4.4035	-3.67685
72	2.274082	2.425081	2.191794	2.592655	1.465734	0.135035	-0.08813	-0.5878	-0.47223

Lampiran 7. Hasil Bootstrap dan Nilai Standar Error Tiap Tiap Kuantil

θ = 0.1					θ = 0.2				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	5.068699	1	0	Lanjut	Data Asli	4.510415	1	0	Lanjut
Data Asli	-0.44099	2	2.754843	Lanjut	Data Asli	-0.6651	2	2.587755	Lanjut
Data Asli	2.031719	3	1.593287	Lanjut	Data Asli	1.3735	3	1.505213	Lanjut
Data Asli	6.849601	4	1.61523	Lanjut	Data Asli	5.955772	4	1.497944	Lanjut
Data Asli	0.974921	5	1.340235	Lanjut	Data Asli	0.40664	5	1.254677	Lanjut
Data Asli	0.450308	6	1.167794	Lanjut	Data Asli	-1.78E-15	6	1.094762	Lanjut
Data Asli	1.307636	7	1.001293	Lanjut	Data Asli	0.952205	7	0.935732	Lanjut
Data Asli	2.588408	8	0.867792	Lanjut	Data Asli	2.226964	8	0.812202	Lanjut
Data Asli	6.839316	9	0.913297	Lanjut	Data Asli	6.285123	9	0.86975	Lanjut
Data Asli	1.24622	10	0.832514	Lanjut	Data Asli	0.993497	10	0.789467	Lanjut
Data Asli	2.875233	11	0.753222	Lanjut	Data Asli	2.316145	11	0.714173	Lanjut
Data Asli	8.88E-16	12	0.723687	Lanjut	Data Asli	-0.26668	12	0.68394	Lanjut
Data Asli	0.306008	13	0.686427	Lanjut	Data Asli	-0.44706	13	0.656853	Lanjut
Data Asli	-1.72537	14	0.697973	Lanjut	Data Asli	-2.07744	14	0.668777	Lanjut
Data Asli	2.15813	15	0.649836	Lanjut	Data Asli	1.800782	15	0.622839	Lanjut
Data Asli	5.353064	16	0.642261	Lanjut	Data Asli	5.350787	16	0.629	Lanjut
Data Asli	5.618027	17	0.635131	Lanjut	Data Asli	5.318724	17	0.626151	Lanjut
Data Asli	4.909438	18	0.614307	Lanjut	Data Asli	4.448132	18	0.605781	Lanjut
Data Asli	6.418245	19	0.615219	Stop	Data Asli	5.969269	19	0.607458	Lanjut
Data Asli	0.405736	20	0.595603	Lanjut	Data Asli	0.221437	20	0.585935	Lanjut
Data Asli	4.463418	21	0.572991	Lanjut	Data Asli	4.304859	21	0.565995	Lanjut
Data Asli	3.55E-15	22	0.560418	Lanjut	Data Asli	8.88E-16	22	0.54997	Lanjut
Data Asli	4.44E-15	23	0.547503	Lanjut	Data Asli	-0.04825	23	0.534738	Lanjut
Data Asli	2.224118	24	0.524329	Lanjut	Data Asli	2.264503	24	0.512005	Lanjut
Data Asli	5.106068	25	0.513635	Lanjut	Data Asli	4.565214	25	0.500641	Lanjut
Data Asli	-0.00039	26	0.503526	Lanjut	Data Asli	-0.17911	26	0.489846	Lanjut
Data Asli	2.543002	27	0.48452	Lanjut	Data Asli	1.901617	27	0.471436	Lanjut
Data Asli	6.573837	28	0.489012	Lanjut	Data Asli	5.715134	28	0.471996	Stop
Data Asli	0.849876	29	0.475905	Lanjut	Data Asli	0.316208	29	0.460321	Lanjut
Data Asli	0.578302	30	0.464613	Lanjut	Data Asli	0.210666	30	0.44958	Lanjut
Data Asli	1.141951	31	0.451566	Lanjut	Data Asli	0.81613	31	0.436878	Lanjut
Data Asli	2.460949	32	0.437227	Lanjut	Data Asli	2.166961	32	0.423014	Lanjut
Data Asli	7.255114	33	0.447851	Lanjut	Data Asli	6.714427	33	0.433335	Lanjut
Data Asli	1.67541	34	0.435365	Lanjut	Data Asli	1.433033	34	0.421042	Lanjut
Data Asli	2.819662	35	0.422793	Lanjut	Data Asli	2.23862	35	0.408836	Lanjut
Data Asli	0.012569	36	0.41711	Lanjut	Data Asli	-0.23458	36	0.403044	Lanjut
Data Asli	-0.1184	37	0.411928	Lanjut	Data Asli	-0.83095	37	0.400112	Lanjut

θ = 0.1					θ = 0.2				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-1.64032	38	0.41517	Lanjut	Data Asli	-1.9762	38	0.403629	Lanjut
Data Asli	2.12412	39	0.404425	Lanjut	Data Asli	1.791722	39	0.393164	Lanjut
Data Asli	5.70381	40	0.403049	Lanjut	Data Asli	5.698233	40	0.394531	Lanjut
Data Asli	5.552956	41	0.40043	Lanjut	Data Asli	5.280817	41	0.39283	Lanjut
Data Asli	5.178787	42	0.395945	Lanjut	Data Asli	4.774681	42	0.388548	Lanjut
Data Asli	6.640124	43	0.398072	Lanjut	Data Asli	6.226421	43	0.390895	Lanjut
Data Asli	0.526484	44	0.39193	Lanjut	Data Asli	0.335196	44	0.384444	Lanjut
Data Asli	4.520887	45	0.385464	Lanjut	Data Asli	4.396954	45	0.378874	Lanjut
Data Asli	0.317635	46	0.380397	Lanjut	Data Asli	0.413178	46	0.372759	Lanjut
Data Asli	0.013663	47	0.376271	Lanjut	Data Asli	-1.78E-15	47	0.367838	Lanjut
Data Asli	2.627323	48	0.368353	Lanjut	Data Asli	2.757637	48	0.360287	Lanjut
Data Asli	5.047069	49	0.364339	Lanjut	Data Asli	4.538918	49	0.356064	Lanjut
Data Asli	0.119153	50	0.360412	Lanjut	Data Asli	-8.88E-16	50	0.351761	Lanjut
Data Asli	2.298043	51	0.353309	Lanjut	Data Asli	1.742266	51	0.344915	Lanjut
Data Asli	6.25561	52	0.353716	Stop	Data Asli	5.357205	52	0.343636	Lanjut
Data Asli	0.982067	53	0.348347	Lanjut	Data Asli	0.492072	53	0.338731	Lanjut
Data Asli	0.492021	54	0.344029	Lanjut	Data Asli	0.205295	54	0.334494	Lanjut
Data Asli	1.254925	55	0.338533	Lanjut	Data Asli	0.949882	55	0.329125	Lanjut
Data Asli	2.451379	56	0.332436	Lanjut	Data Asli	2.201415	56	0.323195	Lanjut
Data Asli	7.120845	57	0.336367	Lanjut	Data Asli	6.553944	57	0.32668	Lanjut
Data Asli	1.453515	58	0.331111	Lanjut	Data Asli	1.269266	58	0.321436	Lanjut
Data Asli	3.14467	59	0.325589	Lanjut	Data Asli	2.541018	59	0.315986	Lanjut
Data Asli	0.113469	60	0.322774	Lanjut	Data Asli	-0.08869	60	0.313069	Lanjut
Data Asli	1.78E-15	61	0.320183	Lanjut	Data Asli	-0.57735	61	0.311222	Lanjut
Data Asli	-1.45306	62	0.321397	Lanjut	Data Asli	-1.74692	62	0.312534	Lanjut
Data Asli	2.216975	63	0.316276	Lanjut	Data Asli	1.927468	63	0.307543	Lanjut
Data Asli	5.717368	64	0.315472	Stop	Data Asli	5.76819	64	0.308134	Stop
Data Asli	5.674622	65	0.314412	Lanjut	Data Asli	5.40862	65	0.3075	Stop
Data Asli	5.147184	66	0.312117	Lanjut	Data Asli	4.787811	66	0.305355	Lanjut
Data Asli	6.463716	67	0.312834	Stop	Data Asli	6.036191	67	0.306086	Stop
Data Asli	0.453872	68	0.309872	Lanjut	Data Asli	0.335059	68	0.302912	Lanjut
Data Asli	4.310484	69	0.306343	Lanjut	Data Asli	4.223131	69	0.299847	Lanjut
Data Asli	0.069459	70	0.304147	Lanjut	Data Asli	0.27216	70	0.296928	Lanjut
Data Asli	0.071835	71	0.301933	Lanjut	Data Asli	0.105073	71	0.29428	Lanjut
Data Asli	2.274082	72	0.297737	Lanjut	Data Asli	2.425081	72	0.290177	Lanjut
1	1.307636	7	0.294128	Lanjut	1	0.492072	53	0.287161	Lanjut
2	-1.45306	62	0.295099	Stop	2	0.105073	71	0.284671	Lanjut
3	4.909438	18	0.292927	Lanjut	3	6.285123	9	0.286143	Lanjut
4	0.492021	54	0.290273	Lanjut	4	2.201415	56	0.282354	Lanjut

θ = 0.1					θ = 0.2				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
5	2.460949	32	0.286479	Lanjut	5	-0.6651	2	0.281189	Lanjut
6	6.573837	28	0.287587	Lanjut	6	8.88E-16	22	0.278981	Lanjut
7	1.78E-15	61	0.285742	Lanjut	7	-1.9762	38	0.280371	Lanjut
8	5.70381	40	0.284956	Stop	8	1.800782	15	0.276872	Lanjut
9	0.405736	20	0.28266	Lanjut	9	-1.78E-15	47	0.274669	Lanjut
10	-1.64032	38	0.283773	Lanjut	10	0.210666	30	0.272257	Lanjut
11	-0.1184	37	0.282067	Lanjut	11	5.969269	19	0.27305	Stop
12	8.88E-16	12	0.280202	Lanjut	12	0.210666	30	0.270723	Lanjut
13	3.14467	59	0.277019	Lanjut	13	5.318724	17	0.270212	Stop
14	-1.64032	38	0.277824	Stop	14	1.800782	15	0.267077	Lanjut
15	0.317635	46	0.275628	Lanjut	15	5.715134	28	0.267207	Stop
16	5.717368	64	0.27515	Stop	16	5.969269	19	0.267676	Stop
17	1.78E-15	61	0.273362	Lanjut	17	-0.23458	36	0.266065	Lanjut
18	0.071835	71	0.271503	Lanjut	18	-1.9762	38	0.267106	Lanjut
19	2.543002	27	0.268512	Lanjut	19	6.226421	43	0.267964	Stop
20	-1.72537	14	0.269227	Stop	20	1.901617	27	0.265052	Lanjut
21	1.453515	58	0.26647	Lanjut	21	4.787811	66	0.263691	Lanjut
22	5.147184	66	0.265372	Lanjut	22	4.787811	66	0.262319	Lanjut
23	0.071835	71	0.263624	Lanjut	23	5.280817	41	0.261525	Stop
24	0.450308	6	0.261569	Lanjut	24	1.800782	15	0.258831	Lanjut
25	5.717368	64	0.261282	Stop	25	1.927468	63	0.256171	Lanjut
26	4.463418	21	0.259535	Lanjut	26	6.226421	43	0.256767	Stop
27	-1.45306	62	0.259728	Stop	27	0.993497	10	0.254499	Lanjut
28	1.78E-15	61	0.258137	Lanjut	28	2.166961	32	0.251943	Lanjut
29	0.526484	44	0.256151	Lanjut	29	-0.17911	26	0.25062	Lanjut
30	5.068699	1	0.255126	Lanjut	30	1.3735	3	0.248301	Lanjut
31	-1.45306	62	0.255223	Stop	31	2.226964	8	0.245878	Lanjut
32	1.453515	58	0.252872	Lanjut	32	-1.9762	38	0.246861	Stop
33	2.224118	24	0.250452	Lanjut	33	2.316145	11	0.244501	Lanjut
34	5.106068	25	0.249551	Stop	34	6.714427	33	0.245892	Lanjut
35	5.618027	17	0.249188	Stop	35	4.565214	25	0.244544	Lanjut
36	5.047069	49	0.248182	Lanjut	36	1.433033	34	0.242393	Lanjut
37	0.982067	53	0.2462	Lanjut	37	0.27216	70	0.240851	Lanjut
38	7.120845	57	0.247845	Lanjut	38	-0.17911	26	0.239665	Lanjut
39	5.106068	25	0.246852	Stop	39	1.433033	34	0.237603	Lanjut
40	0.317635	46	0.245328	Lanjut	40	4.538918	49	0.236385	Lanjut
41	2.460949	32	0.243149	Lanjut	41	5.969269	19	0.236603	Stop
42	2.216975	63	0.24101	Lanjut	42	6.226421	43	0.237075	Stop
43	-0.44099	2	0.240141	Stop	43	6.285123	9	0.237542	Stop

θ = 0.1					θ = 0.2				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
44	2.451379	56	0.238064	Lanjut	44	6.553944	57	0.238274	Stop
45	2.460949	32	0.236023	Lanjut	45	5.280817	41	0.237532	Stop
46	4.310484	69	0.234612	Lanjut	46	6.226421	43	0.237734	Stop
47	6.463716	67	0.235184	Stop	47	0.205295	54	0.236468	Lanjut
48	0.526484	44	0.23373	Lanjut	48	1.3735	3	0.234649	Lanjut
49	2.627323	48	0.2318	Lanjut	49	-8.88E-16	50	0.233548	Lanjut
50	3.55E-15	22	0.230714	Lanjut	50	-0.08869	60	0.232511	Lanjut
51	2.274082	72	0.228832	Lanjut	51	2.425081	72	0.230614	Lanjut
52	2.224118	24	0.226981	Lanjut	52	-0.57735	61	0.229973	Stop
53	-1.45306	62	0.227207	Stop	53	-1.78E-15	6	0.228893	Lanjut
54	2.298043	51	0.225396	Lanjut	54	5.955772	4	0.228893	Stop
55	0.071835	71	0.224315	Lanjut	55	5.969269	19	0.228865	Stop
56	2.819662	35	0.222592	Lanjut	56	-8.88E-16	50	0.227829	Lanjut
57	0.405736	20	0.221352	Lanjut	57	2.316145	11	0.226056	Lanjut
58	0.013663	47	0.220341	Lanjut	58	2.226964	8	0.224313	Lanjut
59	8.88E-16	12	0.219342	Stop	59	-0.08869	60	0.223377	Stop
60	3.14467	59	0.217777	Lanjut	60	0.105073	71	0.222324	Lanjut
61	0.306008	13	0.216635	Lanjut	61	-0.08869	60	0.22139	Stop
62	7.120845	57	0.218063	Lanjut	62	4.396954	45	0.220285	Lanjut
63	5.674622	65	0.217892	Stop	63	5.318724	17	0.219772	Stop
64	1.307636	7	0.216409	Lanjut	64	2.316145	11	0.21815	Lanjut
65	2.298043	51	0.214824	Lanjut	65	2.541018	59	0.216557	Lanjut
66	1.254925	55	0.213397	Lanjut	66	4.396954	45	0.215496	Lanjut
67	0.306008	13	0.21234	Lanjut	67	4.448132	18	0.214467	Lanjut
68	8.88E-16	12	0.211447	Stop	68	-0.23458	36	0.213744	Stop
69	5.552956	41	0.211232	Stop	69	4.774681	42	0.212915	Stop
70	4.463418	21	0.210298	Stop	70	1.901617	27	0.211436	Lanjut
71	0.119153	50	0.20938	Stop	71	1.3735	3	0.210068	Lanjut
72	6.418245	19	0.209889	Stop	72	-8.88E-16	50	0.209248	Stop
73	6.463716	67	0.210388	Stop	73	8.88E-16	22	0.208429	Stop
74	6.418245	19	0.210795	Stop	74	0.316208	29	0.207455	Stop
75	0.982067	53	0.20957	Lanjut	75	-0.57735	61	0.206977	Stop
76	0.526484	44	0.20852	Lanjut	76	0.40664	5	0.20597	Lanjut
77	5.70381	40	0.208333	Stop	77	5.76819	64	0.205915	Stop
78	4.310484	69	0.207341	Stop	78	4.787811	66	0.205206	Stop
79	6.839316	9	0.208063	Stop	79	-0.44706	13	0.204666	Stop
80	4.909438	18	0.207338	Stop	80	6.285123	9	0.204994	Stop
81	5.068699	1	0.206697	Stop	81	1.927468	63	0.203667	Lanjut
82	0.306008	13	0.205823	Stop	82	6.285123	9	0.203965	Stop

θ = 0.1					θ = 0.2				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
83	0.453872	68	0.204891	Stop	83	0.492072	53	0.203001	Stop
84	0.317635	46	0.20402	Stop	84	6.285123	9	0.203272	Stop
85	3.55E-15	22	0.203297	Stop	85	0.335196	44	0.202388	Stop
86	5.674622	65	0.20307	Stop	86	1.927468	63	0.201121	Lanjut
87	1.254925	55	0.201921	Lanjut	87	-1.9762	38	0.201698	Stop
88	0.526484	44	0.201	Stop	88	0.221437	20	0.200864	Stop
89	0.453872	68	0.200112	Stop	89	0.952205	7	0.199791	Lanjut
90	6.839316	9	0.200764	Stop	90	0.81613	31	0.198766	Lanjut
91	4.310484	69	0.199868	Stop	91	5.350787	16	0.198431	Stop
92	3.14467	59	0.198694	Lanjut	92	-1.74692	62	0.198764	Stop
93	1.453515	58	0.197575	Lanjut	93	4.510415	1	0.198015	Stop
94	3.14467	59	0.196429	Lanjut	94	-1.78E-15	47	0.197306	Stop
95	4.310484	69	0.195575	Stop	95	2.201415	56	0.196122	Lanjut
96	4.520887	45	0.194802	Stop	96	1.742266	51	0.194978	Lanjut
97	0.450308	6	0.194007	Stop	97	2.201415	56	0.193821	Lanjut
98	5.147184	66	0.193519	Stop	98	1.927468	63	0.192689	Lanjut
99	6.640124	43	0.193935	Stop	99	-8.88E-16	50	0.192023	Stop
100	6.640124	43	0.194316	Stop	100	2.226964	8	0.190903	Lanjut
101	6.573837	28	0.194617	Stop	101	0.205295	54	0.190171	Stop
102	5.068699	1	0.194046	Stop	102	6.714427	33	0.190803	Stop
103	0.069459	70	0.19345	Stop	103	-1.78E-15	47	0.190157	Stop
104	6.418245	19	0.193614	Stop	104	5.955772	4	0.190231	Stop
105	2.031719	3	0.192539	Lanjut	105	6.226421	43	0.190456	Stop
106	6.839316	9	0.192967	Stop	106	4.774681	42	0.189888	Stop
107	0.071835	71	0.192393	Stop	107	-0.17911	26	0.189342	Stop
108	-0.44099	2	0.192045	Stop	108	5.969269	19	0.189381	Stop
109	4.909438	18	0.191429	Stop	109	0.221437	20	0.188692	Stop
110	1.307636	7	0.190498	Stop	110	1.901617	27	0.187667	Lanjut
111	-1.72537	14	0.190886	Stop	**111**	**2.757637**	**48**	**0.186654**	**Lanjut**
112	**3.14467**	**59**	**0.189876**	**Lanjut**	112	0.335059	68	0.18595	Stop
113	5.717368	64	0.189633	Stop	113	2.757637	48	0.184958	Stop
114	3.14467	59	0.188638	Stop	114	5.350787	16	0.184685	Stop
115	6.25561	52	0.188672	Stop	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	997	1.742266	51	0.073233	Stop
998	2.12412	39	0.077827	Stop	998	0.952205	7	0.073174	Stop
999	7.120845	57	0.077868	Stop	999	6.036191	67	0.073193	Stop
1000	1.78E-15	61	0.077834	Stop	1000	2.264503	24	0.073125	Stop

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	3.994906	1	0	Lanjut	Data Asli	2.718638	1	0	Lanjut
Data Asli	-1.5004	2	2.747651	Lanjut	Data Asli	-1.68402	2	2.201327	Lanjut
Data Asli	1.090175	3	1.587221	Lanjut	Data Asli	-0.57295	3	1.321875	Lanjut
Data Asli	5.487737	4	1.552874	Lanjut	Data Asli	3.334144	4	1.227111	Lanjut
Data Asli	-0.21133	5	1.301058	Lanjut	Data Asli	-1.40307	5	1.060548	Lanjut
Data Asli	-0.51946	6	1.128887	Lanjut	Data Asli	-1.44482	6	0.923364	Lanjut
Data Asli	0.155442	7	0.970254	Lanjut	Data Asli	-0.40034	7	0.784451	Lanjut
Data Asli	1.544767	8	0.841282	Lanjut	Data Asli	0.959476	8	0.688227	Lanjut
Data Asli	5.789643	9	0.896836	Lanjut	Data Asli	4.562038	9	0.777533	Lanjut
Data Asli	0.310627	10	0.815127	Lanjut	Data Asli	3.55E-15	10	0.698709	Lanjut
Data Asli	1.560946	11	0.737326	Lanjut	Data Asli	0.475436	11	0.632119	Lanjut
Data Asli	-1.14807	12	0.711226	Lanjut	Data Asli	-1.38452	12	0.600158	Lanjut
Data Asli	-0.53203	13	0.670555	Lanjut	Data Asli	-2.5786	13	0.598612	Lanjut
Data Asli	-2.55249	14	0.677129	Lanjut	Data Asli	-3.27536	14	0.607221	Lanjut
Data Asli	1.447868	15	0.631203	Lanjut	Data Asli	0.587655	15	0.566886	Lanjut
Data Asli	4.800825	16	0.63656	Lanjut	Data Asli	4.941291	16	0.613873	Lanjut
Data Asli	4.723179	17	0.632218	Lanjut	Data Asli	4.202956	17	0.62061	Lanjut
Data Asli	3.979967	18	0.612565	Lanjut	Data Asli	2.914298	18	0.599902	Lanjut
Data Asli	5.577605	19	0.616463	Lanjut	Data Asli	4.493955	19	0.60219	Lanjut
Data Asli	-0.11711	20	0.592547	Lanjut	Data Asli	-0.54976	20	0.575655	Lanjut
Data Asli	3.437888	21	0.569708	Lanjut	Data Asli	3.436932	21	0.561825	Lanjut
Data Asli	0	22	0.549169	Lanjut	Data Asli	1.78E-15	22	0.537311	Lanjut
Data Asli	-0.07448	23	0.530368	Lanjut	Data Asli	-0.34652	23	0.516175	Lanjut
Data Asli	1.935394	24	0.507959	Lanjut	Data Asli	2.172861	24	0.497379	Lanjut
Data Asli	4.056605	25	0.496772	Lanjut	Data Asli	2.826024	25	0.483367	Lanjut
Data Asli	-0.97182	26	0.488461	Lanjut	Data Asli	-1.07894	26	0.470975	Lanjut
Data Asli	1.643932	27	0.470022	Lanjut	Data Asli	1.78E-15	27	0.454369	Lanjut
Data Asli	5.234718	28	0.470902	Stop	Data Asli	3.179566	28	0.445686	Lanjut
Data Asli	-0.27858	29	0.459754	Lanjut	Data Asli	-1.4054	29	0.437529	Lanjut
Data Asli	-0.27612	30	0.44895	Lanjut	Data Asli	-1.06053	30	0.427469	Lanjut
Data Asli	0	31	0.437358	Lanjut	Data Asli	-0.4681	31	0.415429	Lanjut
Data Asli	1.464275	32	0.423482	Lanjut	Data Asli	1.063365	32	0.402359	Lanjut
Data Asli	6.228509	33	0.434104	Lanjut	Data Asli	5.040824	33	0.411016	Lanjut
Data Asli	0.732134	34	0.422115	Lanjut	Data Asli	0.467589	34	0.398935	Lanjut
Data Asli	1.506708	35	0.409906	Lanjut	Data Asli	0.367458	35	0.387639	Lanjut
Data Asli	-1.06686	36	0.405557	Lanjut	Data Asli	-1.30065	36	0.381468	Lanjut
Data Asli	-0.90638	37	0.4002	Lanjut	Data Asli	-2.85883	37	0.383965	Lanjut
Data Asli	-2.36588	38	0.402781	Lanjut	Data Asli	-3.13067	38	0.387087	Lanjut
Data Asli	1.437807	39	0.392317	Lanjut	Data Asli	0.638235	39	0.377032	Lanjut

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	5.181379	40	0.393739	Lanjut	Data Asli	5.28706	40	0.385707	Lanjut
Data Asli	4.703615	41	0.391787	Lanjut	Data Asli	4.235013	41	0.385838	Stop
Data Asli	4.299848	42	0.38772	Lanjut	Data Asli	3.391777	42	0.381547	Lanjut
Data Asli	5.792527	43	0.390592	Lanjut	Data Asli	4.845998	43	0.383896	Lanjut
Data Asli	-0.00651	44	0.383714	Lanjut	Data Asli	-0.44458	44	0.376422	Lanjut
Data Asli	3.575133	45	0.377353	Lanjut	Data Asli	3.616393	45	0.372786	Lanjut
Data Asli	0.502246	46	0.370069	Lanjut	Data Asli	0.621859	46	0.364678	Lanjut
Data Asli	-2.66E-15	47	0.36398	Lanjut	Data Asli	-0.21315	47	0.357734	Lanjut
Data Asli	2.504063	48	0.356715	Lanjut	Data Asli	2.880491	48	0.352497	Lanjut
Data Asli	4.15052	49	0.352886	Lanjut	Data Asli	2.886819	49	0.347385	Lanjut
Data Asli	-0.65839	50	0.349127	Lanjut	Data Asli	-0.75279	50	0.342232	Lanjut
Data Asli	1.544431	51	0.342229	Lanjut	Data Asli	0.043988	51	0.335973	Lanjut
Data Asli	5.02977	52	0.341602	Stop	Data Asli	2.758379	52	0.331225	Lanjut
Data Asli	0	53	0.336762	Lanjut	Data Asli	-1.11912	53	0.327393	Lanjut
Data Asli	-0.23397	54	0.332483	Lanjut	Data Asli	-0.87146	54	0.32308	Lanjut
Data Asli	0.238432	55	0.327468	Lanjut	Data Asli	-0.27117	55	0.317911	Lanjut
Data Asli	1.598439	56	0.32157	Lanjut	Data Asli	1.209125	56	0.312227	Lanjut
Data Asli	6.231112	57	0.325831	Lanjut	Data Asli	4.844484	57	0.314332	Lanjut
Data Asli	0.629273	58	0.320753	Lanjut	Data Asli	0.437315	58	0.309011	Lanjut
Data Asli	2.049015	59	0.315314	Lanjut	Data Asli	0.638472	59	0.303784	Lanjut
Data Asli	-0.85112	60	0.313011	Lanjut	Data Asli	-1.03433	60	0.300547	Lanjut
Data Asli	-0.64843	61	0.310232	Lanjut	Data Asli	-2.30048	61	0.300317	Stop
Data Asli	-2.03734	62	0.310958	Stop	Data Asli	-2.79738	62	0.301352	Lanjut
Data Asli	1.665296	63	0.305984	Lanjut	Data Asli	0.88021	63	0.296531	Lanjut
Data Asli	5.347687	64	0.306802	Stop	Data Asli	5.488694	64	0.300806	Lanjut
Data Asli	4.956227	65	0.306273	Stop	Data Asli	4.391818	65	0.300971	Stop
Data Asli	4.35182	66	0.30424	Lanjut	Data Asli	3.511855	66	0.298896	Lanjut
Data Asli	5.763066	67	0.305591	Lanjut	Data Asli	4.641172	67	0.299391	Stop
Data Asli	0.000938	68	0.302237	Lanjut	Data Asli	-0.27077	68	0.295593	Lanjut
Data Asli	3.475167	69	0.298831	Lanjut	Data Asli	3.541046	69	0.293544	Lanjut
Data Asli	0.35458	70	0.295263	Lanjut	Data Asli	0.720788	70	0.289362	Lanjut
Data Asli	0.153679	71	0.291983	Lanjut	Data Asli	5.33E-15	71	0.285648	Lanjut
Data Asli	2.191794	72	0.28796	Lanjut	Data Asli	2.592655	72	0.282471	Lanjut
1	-1.5004	2	0.287501	Stop	1	-5.33E-15	41	0.278958	Lanjut
2	-0.97182	26	0.285922	Lanjut	2	-2.21191	49	0.278676	Stop
3	-0.00651	44	0.282989	Lanjut	3	-2.97113	56	0.280009	Lanjut
4	-0.27612	30	0.280408	Lanjut	4	-3.68935	15	0.282978	Lanjut
5	1.090175	3	0.276835	Lanjut	5	-5.96278	26	0.293132	Lanjut

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
6	-0.85112	60	0.275114	Lanjut	6	-6.59114	13	0.304491	Lanjut
7	5.02977	52	0.275053	Stop	7	-4.10514	35	0.30673	Lanjut
8	0	22	0.272371	Lanjut	8	-5.96278	26	0.313947	Lanjut
9	-2.03734	62	0.27276	Stop	9	-5.49499	54	0.31895	Lanjut
10	-0.27612	30	0.270362	Lanjut	10	0.537692	9	0.315037	Lanjut
11	1.544767	8	0.267085	Lanjut	11	-3.67685	71	0.315246	Stop
12	1.643932	27	0.263888	Lanjut	12	-6.59114	13	0.322528	Lanjut
13	6.228509	33	0.266492	Lanjut	13	-1.45564	45	0.319425	Lanjut
14	-0.23397	54	0.264249	Lanjut	14	-5.80843	5	0.323676	Lanjut
15	5.577605	19	0.265182	Stop	15	-1.06138	70	0.320297	Lanjut
16	4.15052	49	0.263702	Lanjut	16	-1.28497	42	0.317117	Lanjut
17	-1.14807	12	0.262633	Lanjut	17	-5.40711	7	0.319874	Lanjut
18	0	53	0.260332	Lanjut	18	-7.20622	38	0.326744	Lanjut
19	6.228509	33	0.262398	Lanjut	19	-5.80843	5	0.329566	Lanjut
20	-0.90638	37	0.261032	Lanjut	20	-1.38532	66	0.326323	Lanjut
21	1.090175	3	0.258278	Lanjut	21	-1.6838	69	0.323307	Lanjut
22	-0.51946	6	0.256539	Lanjut	22	-2.78207	32	0.321205	Lanjut
23	3.994906	1	0.255063	Lanjut	23	-3.68935	15	0.320119	Lanjut
24	5.577605	19	0.255711	Stop	24	-3.78363	63	0.319109	Lanjut
25	2.049015	59	0.253091	Lanjut	25	-5.8171	60	0.321223	Lanjut
26	-2.03734	62	0.25335	Stop	26	-5.50329	31	0.322542	Lanjut
27	1.598439	56	0.250779	Lanjut	27	-1.6838	69	0.319605	Lanjut
28	6.231112	57	0.252465	Lanjut	28	-5.96278	26	0.321518	Lanjut
29	0.153679	71	0.250414	Lanjut	29	-7.20622	38	0.325575	Lanjut
30	2.049015	59	0.247974	Lanjut	30	-0.26544	24	0.322369	Lanjut
31	-0.51946	6	0.246478	Lanjut	31	-4.48773	68	0.321719	Stop
32	1.544767	8	0.244099	Lanjut	32	-5.38006	30	0.322175	Stop
33	1.464275	32	0.24177	Lanjut	33	-0.54196	22	0.319093	Lanjut
34	-2.36588	38	0.242459	Stop	34	-2.78207	32	0.316828	Lanjut
35	0	31	0.240655	Lanjut	35	0.00462	17	0.313885	Lanjut
36	3.979967	18	0.239434	Lanjut	36	-1.6838	69	0.311167	Lanjut
37	-2.36588	38	0.24003	Stop	37	-4.73501	3	0.310753	Stop
38	0	31	0.238274	Lanjut	38	-4.30504	11	0.309826	Stop
39	0.238432	55	0.236422	Lanjut	39	-0.72251	46	0.307025	Lanjut
40	3.475167	69	0.234926	Lanjut	40	-2.01976	52	0.30455	Lanjut
41	-0.00651	44	0.233258	Lanjut	41	-3.67685	71	0.303089	Lanjut
42	0	22	0.231608	Lanjut	42	-2.86895	8	0.301076	Lanjut
43	0.732134	34	0.229694	Lanjut	43	-5.38006	30	0.301301	Stop
44	-0.23397	54	0.228219	Lanjut	44	-5.33E-15	67	0.298747	Lanjut

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
45	-2.55249	14	0.228928	Stop	45	-4.50705	44	0.298005	Stop
46	5.763066	67	0.22985	Stop	46	0.445562	43	0.295625	Lanjut
47	1.598439	56	0.227911	Lanjut	47	-6.14359	50	0.296703	Lanjut
48	-1.14807	12	0.2271	Stop	48	-2.86895	8	0.294761	Lanjut
49	1.544431	51	0.225216	Lanjut	49	-0.06227	65	0.29237	Lanjut
50	-0.64843	61	0.224059	Lanjut	50	-3.56779	47	0.290889	Lanjut
51	4.299848	42	0.223403	Stop	51	-5.95748	36	0.29159	Stop
52	4.299848	42	0.222733	Stop	52	-4.10514	35	0.290451	Lanjut
53	1.447868	15	0.220945	Lanjut	53	-1.6838	69	0.288199	Lanjut
54	-0.65839	50	0.219873	Lanjut	54	-5.96278	26	0.288781	Stop
55	1.447868	15	0.218135	Lanjut	55	-5.33E-15	67	0.286582	Lanjut
56	0	53	0.216747	Lanjut	56	-6.14359	50	0.287302	Stop
57	1.935394	24	0.215087	Lanjut	57	-5.49499	54	0.287271	Stop
58	1.560946	11	0.213426	Lanjut	58	0.937997	57	0.285422	Lanjut
59	0.153679	71	0.212042	Lanjut	59	-3.78363	63	0.284069	Lanjut
60	-2.55249	14	0.212653	Stop	60	-3.78363	63	0.282721	Lanjut
61	1.506708	35	0.211048	Lanjut	61	-2.86895	8	0.280948	Lanjut
62	6.231112	57	0.212465	Lanjut	62	0.00462	17	0.278943	Lanjut
63	3.994906	1	0.211693	Stop	63	-3.58217	23	0.277537	Lanjut
64	0.732134	34	0.21021	Lanjut	64	0.937997	57	0.275858	Lanjut
65	-0.64843	61	0.209266	Stop	65	-4.55961	51	0.275075	Stop
66	-2.55249	14	0.209807	Stop	66	-3.56779	47	0.2737	Lanjut
67	-0.51946	6	0.208783	Lanjut	67	-0.26544	24	0.27178	Lanjut
68	1.090175	3	0.207302	Lanjut	68	-3.68935	15	0.270501	Lanjut
69	1.437807	39	0.205827	Lanjut	69	-0.47223	72	0.268606	Lanjut
70	1.464275	32	0.204372	Lanjut	70	-4.48773	68	0.267809	Stop
71	-0.85112	60	0.203576	Stop	71	-3.68972	58	0.266562	Lanjut
72	0.629273	58	0.202235	Lanjut	72	0.937997	57	0.265077	Lanjut
73	0	22	0.201077	Lanjut	73	-7.24133	62	0.266659	Lanjut
74	6.231112	57	0.202396	Lanjut	74	-1.64216	28	0.264851	Lanjut
75	-1.14807	12	0.201792	Stop	75	-4.26602	59	0.263914	Stop
76	0.629273	58	0.200497	Lanjut	76	-5.49499	54	0.263772	Stop
77	5.487737	4	0.201001	Stop	77	-2.01976	52	0.262058	Lanjut
78	4.299848	42	0.200554	Stop	78	-3.58217	23	0.2608	Lanjut
79	0.153679	71	0.199414	Lanjut	79	-5.50329	31	0.260637	Stop
80	0	31	0.198332	Lanjut	80	0.290188	40	0.259107	Lanjut
81	5.02977	52	0.19841	Stop	81	-3.68935	15	0.257918	Lanjut
82	-0.23397	54	0.197432	Stop	82	-5.49675	55	0.257735	Stop
83	4.800825	16	0.197328	Stop	83	-5.38006	30	0.257448	Stop

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
84	5.347687	64	0.197611	Stop	84	-1.899	18	0.255823	Lanjut
85	4.703615	41	0.197395	Stop	85	-1.38532	66	0.254189	Lanjut
86	1.090175	3	0.196162	Lanjut	86	-3.56779	47	0.252989	Lanjut
87	4.35182	66	0.195729	Stop	87	-3.58217	23	0.251802	Lanjut
88	0.310627	10	0.194656	Lanjut	88	-1.6838	69	0.250234	Lanjut
89	0	53	0.193681	Stop	89	-4.73501	3	0.249581	Stop
90	1.598439	56	0.192482	Lanjut	90	-2.15505	1	0.248087	Lanjut
91	-1.06686	36	0.191962	Stop	91	-3.68935	15	0.246981	Lanjut
92	2.049015	59	0.190815	Lanjut	92	-5.87341	29	0.247011	Stop
93	-2.36588	38	0.191113	Stop	93	-3.67685	71	0.245903	Lanjut
94	0.35458	70	0.190083	Lanjut	94	-5.8171	60	0.245863	Stop
95	6.231112	57	0.191062	Stop	95	-1.78E-15	64	0.244535	Lanjut
96	**1.437807**	**39**	**0.189922**	**Lanjut**	96	1.227861	33	0.243584	Stop
97	-0.27858	29	0.189094	Stop	97	-3.67685	71	0.242513	Lanjut
98	4.056605	25	0.188575	Stop	98	-1.28497	42	0.241083	Lanjut
99	6.231112	57	0.18948	Stop	99	-4.10514	35	0.240186	Stop
⋮	⋮	⋮	⋮	⋮	100	-4.50705	44	0.239456	Stop
965	1.544431	51	0.075018	Stop	101	-6.59114	13	0.239918	Stop
966	5.577605	19	0.075034	Stop	102	-1.45564	45	0.238535	Lanjut
967	5.792527	43	0.075060	Stop	103	-5.8171	60	0.238462	Stop
968	5.792527	43	0.075086	Stop	104	-1.49597	4	0.237104	Lanjut
969	5.181379	40	0.075083	Stop	105	-0.15143	19	0.235883	Lanjut
970	-0.97182	26	0.075059	Stop	106	-3.68935	15	0.234879	Lanjut
971	4.956227	65	0.075047	Stop	107	-3.78363	63	0.23391	Stop
972	-0.23397	54	0.075001	Stop	108	-5.91369	12	0.233885	Stop
973	-1.5004	2	0.074996	Stop	109	-1.6838	69	0.232591	Lanjut
974	2.049015	59	0.074925	Stop	110	-1.06138	70	0.231324	Lanjut
975	-0.90638	37	0.074898	Stop	111	-1.38532	66	0.230058	Lanjut
976	0.629273	58	0.074835	Stop	112	-5.49499	54	0.229812	Stop
977	4.956227	65	0.074824	Stop	113	-4.21114	27	0.229015	Stop
978	2.504063	48	0.074756	Stop	114	-6.88182	61	0.22956	Stop
979	1.437807	39	0.074685	Stop	115	0.445562	43	0.228592	Stop
980	0.732134	34	0.074622	Stop	116	-4.76455	20	0.227998	Stop
981	-0.85112	60	0.074593	Stop	117	-1.49597	4	0.226789	Lanjut
982	0	22	0.074542	Stop	118	-2.86895	8	0.22569	Lanjut
983	-0.97182	26	0.074518	Stop	119	-2.15505	1	0.224523	Lanjut
984	3.979967	18	0.074476	Stop	120	-1.78E-15	48	0.22351	Lanjut
985	5.347687	64	0.074481	Stop	121	-5.50329	31	0.223262	Stop
986	-0.97182	26	0.074457	Stop	122	1.227861	33	0.222596	Stop

θ = 0.3					θ = 0.4				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
987	6.228509	33	0.074504	Stop	123	-1.78E-15	64	0.221606	Stop
988	1.643932	27	0.074434	Stop	124	-4.73501	3	0.22105	Stop
989	-0.23397	54	0.074388	Stop	125	-3.67685	71	0.220172	Stop
990	-2.55249	14	0.074432	Stop	126	-4.10514	35	0.219412	Stop
991	3.475167	69	0.074378	Stop	127	-1.06138	70	0.218327	Lanjut
992	0.155442	7	0.074325	Stop	128	-0.04479	16	0.217379	Stop
993	-2.55249	14	0.074367	Stop	**129**	**-2.21191**	**49**	**0.216314**	**Lanjut**
994	5.577605	19	0.074382	Stop	130	-5.80843	5	0.216228	Stop
995	4.956227	65	0.074371	Stop	131	-0.04479	16	0.215307	Stop
996	1.544431	51	0.074302	Stop	132	0.937997	57	0.214625	Stop
997	-0.00651	44	0.074252	Stop	⋮	⋮	⋮	⋮	⋮
998	4.800825	16	0.074235	Stop	998	-1.45564	45	0.080864	Stop
999	1.447868	15	0.074166	Stop	999	-5.11485	6	0.080814	Stop
1000	3.475167	69	0.074113	Stop	1000	-2.15505	1	0.080742	Stop

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	2.268513	1	0	Lanjut	Data Asli	0.601755	1	0	Lanjut
Data Asli	-2.85976	2	2.564137	Lanjut	Data Asli	-4.018	2	2.309878	Lanjut
Data Asli	-0.53627	3	1.482577	Lanjut	Data Asli	-1.92048	3	1.335486	Lanjut
Data Asli	3.541658	4	1.43464	Lanjut	Data Asli	2.21802	4	1.374855	Lanjut
Data Asli	-1.73184	5	1.205435	Lanjut	Data Asli	-2.59175	5	1.124935	Lanjut
Data Asli	-1.73645	6	1.032547	Lanjut	Data Asli	-2.2007	6	0.935298	Lanjut
Data Asli	-1.37393	7	0.889292	Lanjut	Data Asli	-2.6819	7	0.814112	Lanjut
Data Asli	0.393779	8	0.775694	Lanjut	Data Asli	0.083296	8	0.732744	Lanjut
Data Asli	4.366941	9	0.85536	Lanjut	Data Asli	3.577935	9	0.8444	Lanjut
Data Asli	-0.7645	10	0.771876	Lanjut	Data Asli	-1.19364	10	0.75644	Lanjut
Data Asli	-0.0342	11	0.698404	Lanjut	Data Asli	-0.94795	11	0.684337	Lanjut
Data Asli	-2.41184	12	0.672068	Lanjut	Data Asli	-3.07569	12	0.652262	Lanjut
Data Asli	-2.2461	13	0.64041	Lanjut	Data Asli	-3.88279	13	0.639331	Lanjut
Data Asli	-3.77989	14	0.64456	Lanjut	Data Asli	-4.65686	14	0.640433	Lanjut
Data Asli	0.001813	15	0.600959	Lanjut	Data Asli	-1.70059	15	0.596396	Lanjut
Data Asli	3.405785	16	0.611873	Lanjut	Data Asli	1.006387	16	0.579329	Lanjut
Data Asli	3.442185	17	0.613769	Lanjut	Data Asli	2.410417	17	0.587124	Lanjut
Data Asli	2.31872	18	0.59287	Lanjut	Data Asli	0.46795	18	0.560497	Lanjut
Data Asli	3.954214	19	0.595899	Lanjut	Data Asli	2.065964	19	0.554621	Lanjut
Data Asli	-1.43489	20	0.572144	Lanjut	Data Asli	-3.326	20	0.540355	Lanjut
Data Asli	2.095159	21	0.551347	Lanjut	Data Asli	0.82319	21	0.521168	Lanjut

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-1.33E-14	22	0.5259	Lanjut	Data Asli	1.011917	22	0.504472	Lanjut
Data Asli	-1.07558	23	0.506127	Lanjut	Data Asli	-2.90393	23	0.490521	Lanjut
Data Asli	1.405304	24	0.486955	Lanjut	Data Asli	1.165133	24	0.4775	Lanjut
Data Asli	2.380252	25	0.474423	Lanjut	Data Asli	0.798953	25	0.462554	Lanjut
Data Asli	-2.34424	26	0.467729	Lanjut	Data Asli	-3.75063	26	0.459103	Lanjut
Data Asli	-1.07E-14	27	0.450191	Lanjut	Data Asli	-1.52905	27	0.442445	Lanjut
Data Asli	3.319373	28	0.44729	Lanjut	Data Asli	1.994168	28	0.438655	Lanjut
Data Asli	-1.80906	29	0.438126	Lanjut	Data Asli	-2.84454	29	0.42914	Lanjut
Data Asli	-1.68965	30	0.428445	Lanjut	Data Asli	-3.06342	30	0.421032	Lanjut
Data Asli	-1.51274	31	0.418213	Lanjut	Data Asli	-2.83701	31	0.411818	Lanjut
Data Asli	0.358917	32	0.404972	Lanjut	Data Asli	1.07E-14	32	0.399956	Lanjut
Data Asli	4.887567	33	0.417579	Lanjut	Data Asli	4.288852	33	0.419074	Lanjut
Data Asli	-0.29443	34	0.405523	Lanjut	Data Asli	-0.5831	34	0.406614	Lanjut
Data Asli	-1.24E-14	35	0.393865	Lanjut	Data Asli	-0.60939	35	0.394864	Lanjut
Data Asli	-2.38457	36	0.389966	Lanjut	Data Asli	-3.34694	36	0.390234	Lanjut
Data Asli	-2.59978	37	0.38689	Lanjut	Data Asli	-4.31814	37	0.390845	Stop
Data Asli	-3.70974	38	0.390024	Lanjut	Data Asli	-5.11739	38	0.39585	Lanjut
Data Asli	-0.00797	39	0.379894	Lanjut	Data Asli	-1.78827	39	0.386008	Lanjut
Data Asli	3.766774	40	0.381779	Lanjut	Data Asli	1.269975	40	0.380819	Lanjut
Data Asli	3.419282	41	0.380848	Stop	Data Asli	2.263076	41	0.379987	Stop
Data Asli	2.727887	42	0.376439	Lanjut	Data Asli	0.97363	42	0.37364	Lanjut
Data Asli	4.298276	43	0.379278	Lanjut	Data Asli	2.750142	43	0.3746	Stop
Data Asli	-1.27204	44	0.372438	Lanjut	Data Asli	-2.97773	44	0.369269	Lanjut
Data Asli	2.181372	45	0.366372	Lanjut	Data Asli	0.576988	45	0.36239	Lanjut
Data Asli	0.235306	46	0.358332	Lanjut	Data Asli	1.33E-14	46	0.354888	Lanjut
Data Asli	-1.03285	47	0.351899	Lanjut	Data Asli	-3.1072	47	0.350661	Lanjut
Data Asli	1.840092	48	0.345899	Lanjut	Data Asli	0.793911	48	0.345012	Lanjut
Data Asli	2.322615	49	0.341091	Lanjut	Data Asli	1.42E-14	49	0.338322	Lanjut
Data Asli	-2.23183	50	0.338363	Lanjut	Data Asli	-4.6366	50	0.340193	Lanjut
Data Asli	-0.21166	51	0.331853	Lanjut	Data Asli	-2.44392	51	0.334847	Lanjut
Data Asli	3.042282	52	0.329502	Lanjut	Data Asli	1.400977	52	0.331363	Lanjut
Data Asli	-1.66996	53	0.32558	Lanjut	Data Asli	-3.41973	53	0.328578	Lanjut
Data Asli	-1.72545	54	0.321825	Lanjut	Data Asli	-3.66551	54	0.32641	Lanjut
Data Asli	-1.37296	55	0.317422	Lanjut	Data Asli	-3.21703	55	0.323005	Lanjut
Data Asli	0.358846	56	0.311705	Lanjut	Data Asli	-0.69514	56	0.317236	Lanjut
Data Asli	4.772673	57	0.316107	Lanjut	Data Asli	3.66218	57	0.322217	Lanjut
Data Asli	-0.5335	58	0.311002	Lanjut	Data Asli	-1.51147	58	0.316773	Lanjut
Data Asli	0.272585	59	0.305689	Lanjut	Data Asli	-1.43455	59	0.311472	Lanjut

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-2.2142	60	0.303588	Lanjut	Data Asli	-3.5615	60	0.309324	Lanjut
Data Asli	-2.46205	61	0.302015	Lanjut	Data Asli	-4.9858	61	0.311187	Lanjut
Data Asli	-3.52878	62	0.303348	Lanjut	Data Asli	-5.6648	62	0.315027	Lanjut
Data Asli	0.085076	63	0.2985	Lanjut	Data Asli	-2.37556	63	0.310617	Lanjut
Data Asli	3.751031	64	0.29898	Stop	Data Asli	0.379411	64	0.306656	Lanjut
Data Asli	3.545149	65	0.298653	Stop	Data Asli	1.801448	65	0.30524	Lanjut
Data Asli	2.712574	66	0.296337	Lanjut	Data Asli	0.553424	66	0.301597	Lanjut
Data Asli	4.106649	67	0.297226	Stop	Data Asli	1.874931	67	0.300263	Lanjut
Data Asli	-1.27725	68	0.293863	Lanjut	Data Asli	-3.26543	68	0.297666	Lanjut
Data Asli	2.019196	69	0.290548	Lanjut	Data Asli	1.60E-14	69	0.293711	Lanjut
Data Asli	-1.24E-14	70	0.286425	Lanjut	Data Asli	-0.83564	70	0.289498	Lanjut
Data Asli	-0.9861	71	0.283032	Lanjut	Data Asli	-3.60681	71	0.287695	Lanjut
Data Asli	1.465734	72	0.279483	Lanjut	Data Asli	0.135035	72	0.284159	Lanjut
1	2.322615	49	0.276894	Lanjut	1	-3.88279	13	0.28292	Lanjut
2	-0.7645	10	0.273594	Lanjut	2	-0.5831	34	0.279153	Lanjut
3	1.840092	48	0.270601	Lanjut	3	-1.92048	3	0.275635	Lanjut
4	2.322615	49	0.268186	Lanjut	4	0.798953	25	0.273117	Lanjut
5	-0.21166	51	0.264818	Lanjut	5	0.82319	21	0.27066	Lanjut
6	2.380252	25	0.262585	Lanjut	6	-2.6819	7	0.267995	Lanjut
7	0.272585	59	0.259251	Lanjut	7	0.601755	1	0.265417	Lanjut
8	-2.46205	61	0.258583	Stop	8	1.801448	65	0.264475	Stop
9	-2.41184	12	0.257759	Stop	9	0.798953	25	0.262137	Lanjut
10	-1.43489	20	0.255566	Lanjut	10	1.801448	65	0.261137	Lanjut
11	3.442185	17	0.255173	Stop	11	1.400977	52	0.25952	Lanjut
12	-1.07558	23	0.252731	Lanjut	12	0.601755	1	0.257051	Lanjut
13	2.095159	21	0.250548	Lanjut	13	-5.6648	62	0.260115	Lanjut
14	-1.37296	55	0.24848	Lanjut	14	0.46795	18	0.257607	Lanjut
15	0.358846	56	0.245608	Lanjut	15	-2.44392	51	0.255214	Lanjut
16	-1.24E-14	70	0.24284	Lanjut	16	-1.70059	15	0.252438	Lanjut
17	4.298276	43	0.244098	Lanjut	17	-3.5615	60	0.251282	Lanjut
18	-1.73184	5	0.242557	Lanjut	18	1.874931	67	0.250514	Stop
19	-3.52878	62	0.243732	Lanjut	19	2.750142	43	0.251086	Stop
20	-3.70974	38	0.245089	Lanjut	20	-2.97773	44	0.249343	Lanjut
21	3.042282	52	0.244209	Stop	21	-3.21703	55	0.247854	Lanjut
22	-1.24E-14	35	0.241624	Lanjut	22	1.994168	28	0.247223	Stop
23	4.298276	43	0.242672	Lanjut	23	1.801448	65	0.246302	Stop
24	-2.41184	12	0.241887	Stop	24	-2.37556	63	0.2442	Lanjut
25	-1.37296	55	0.24004	Lanjut	25	-4.018	2	0.243763	Stop

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
26	-1.72545	54	0.238505	Lanjut	26	1.269975	40	0.242331	Lanjut
27	0.358917	32	0.236084	Lanjut	27	1.07E-14	32	0.240057	Lanjut
28	-1.27725	68	0.234252	Lanjut	28	-0.69514	56	0.237655	Lanjut
29	2.31872	18	0.232783	Lanjut	29	-2.83701	31	0.236052	Lanjut
30	0.085076	63	0.230501	Lanjut	30	-1.92048	3	0.233924	Lanjut
31	-2.41184	12	0.229782	Stop	31	-3.75063	26	0.23323	Stop
32	-1.03285	47	0.227917	Lanjut	32	0.97363	42	0.231738	Lanjut
33	-2.85976	2	0.227703	Stop	33	0.601755	1	0.230002	Lanjut
34	-1.24E-14	70	0.225556	Lanjut	34	0.82319	21	0.228431	Lanjut
35	-1.66996	53	0.224153	Lanjut	35	-1.70059	15	0.226402	Lanjut
36	-1.27204	44	0.222501	Lanjut	36	1.801448	65	0.225722	Stop
37	0.358846	56	0.220454	Lanjut	37	1.994168	28	0.225224	Stop
38	3.545149	65	0.22053	Stop	38	-3.60681	71	0.224536	Stop
39	4.298276	43	0.221566	Lanjut	39	-0.5831	34	0.222523	Lanjut
40	0.358846	56	0.21958	Lanjut	40	3.66218	57	0.224266	Lanjut
41	2.181372	45	0.218277	Lanjut	41	2.410417	17	0.224154	Stop
42	2.322615	49	0.217082	Lanjut	42	-2.2007	6	0.222502	Lanjut
43	-1.07E-14	27	0.215204	Lanjut	43	-4.018	2	0.222275	Stop
44	3.442185	17	0.215039	Stop	44	1.006387	16	0.220947	Lanjut
45	-0.7645	10	0.213402	Lanjut	45	-4.6366	50	0.221417	Stop
46	-2.41184	12	0.212858	Stop	46	-2.37556	63	0.219893	Lanjut
47	-1.27204	44	0.211479	Lanjut	47	-1.52905	27	0.2181	Lanjut
48	3.405785	16	0.211306	Stop	48	0.82319	21	0.216756	Lanjut
49	-0.21166	51	0.209599	Lanjut	49	2.263076	41	0.216536	Stop
50	0.235306	46	0.207875	Lanjut	50	-3.21703	55	0.215615	Stop
51	-0.53627	3	0.206294	Lanjut	51	-3.07569	12	0.214593	Lanjut
52	-0.5335	58	0.204736	Lanjut	52	-0.5831	34	0.212871	Lanjut
53	0.235306	46	0.203092	Lanjut	53	-4.9858	61	0.213673	Stop
54	-2.41184	12	0.20262	Stop	54	-0.94795	11	0.21197	Lanjut
55	-0.9861	71	0.201265	Lanjut	55	-4.65686	14	0.212326	Stop
56	-0.9861	71	0.199927	Lanjut	56	0.083296	8	0.21082	Lanjut
57	0.358917	32	0.198373	Lanjut	57	-3.88279	13	0.210405	Stop
58	-0.9861	71	0.197074	Lanjut	58	0.798953	25	0.209228	Lanjut
59	-2.46205	61	0.196657	Stop	59	-1.43455	59	0.207656	Lanjut
60	-1.07558	23	0.195412	Lanjut	60	-2.6819	7	0.206485	Lanjut
61	-1.27204	44	0.194261	Lanjut	61	1.33E-14	46	0.205059	Lanjut
62	3.319373	28	0.194199	Stop	62	1.33E-14	46	0.203653	Lanjut
63	2.181372	45	0.193295	Stop	63	-3.1072	47	0.202759	Stop

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
64	3.419282	41	0.193282	Stop	64	-4.6366	50	0.203048	Stop
65	-2.34424	26	0.192812	Stop	65	2.410417	17	0.203101	Stop
66	2.181372	45	0.191921	Stop	66	-0.94795	11	0.201624	Lanjut
67	2.380252	25	0.191142	Stop	67	1.165133	24	0.200765	Stop
68	-1.24E-14	35	0.189782	Lanjut	68	1.400977	52	0.200044	Stop
69	-2.46205	61	0.189431	Stop	69	-0.83564	70	0.198622	Lanjut
70	3.405785	16	0.189393	Stop	70	1.60E-14	69	0.197332	Lanjut
71	-1.37393	7	0.18842	Stop	71	-3.66551	54	0.196868	Stop
72	-0.9861	71	0.18731	Lanjut	72	-3.5615	60	0.196327	Stop
73	-0.9861	71	0.186212	Lanjut	73	1.269975	40	0.195586	Stop
74	3.419282	41	0.1862	Stop	74	0.135035	72	0.194388	Lanjut
75	-3.52878	62	0.186729	Stop	75	-0.94795	11	0.193061	Lanjut
76	-0.7645	10	0.185589	Lanjut	76	-3.07569	12	0.192285	Stop
77	-1.43489	20	0.184682	Stop	77	0.601755	1	0.191282	Lanjut
78	-0.53627	3	0.183518	Lanjut	78	1.400977	52	0.190655	Stop
79	-0.00797	39	0.182305	Lanjut	79	-3.60681	71	0.190206	Stop
80	-0.53627	3	0.18117	Lanjut	80	1.400977	52	0.18959	Stop
81	1.405304	24	0.18015	Lanjut	81	-0.69514	56	0.188354	Lanjut
82	-1.80906	29	0.179463	Stop	82	2.21802	4	0.188253	Stop
83	3.751031	64	0.179757	Stop	83	1.874931	67	0.187906	Stop
84	2.322615	49	0.179102	Stop	84	1.006387	16	0.1871	Stop
85	-1.72545	54	0.178401	Stop	85	-0.5831	34	0.185915	Lanjut
86	-0.21166	51	0.177291	Lanjut	86	-3.5615	60	0.185505	Stop
87	-1.24E-14	35	0.176178	Lanjut	87	0.601755	1	0.18458	Stop
88	-1.73184	5	0.175503	Stop	88	-3.34694	36	0.184058	Stop
89	-1.43489	20	0.174712	Stop	89	1.42E-14	49	0.183	Lanjut
90	3.766774	40	0.175014	Stop	90	1.400977	52	0.182426	Stop
91	-0.0342	11	0.173944	Lanjut	91	-0.83564	70	0.181304	Lanjut
92	2.322615	49	0.173351	Stop	92	-3.88279	13	0.181112	Stop
93	-1.80906	29	0.172745	Stop	93	-2.37556	63	0.180229	Stop
94	-2.41184	12	0.172437	Stop	94	1.33E-14	46	0.179226	Lanjut
95	-0.5335	58	0.17146	Stop	95	-3.1072	47	0.178631	Stop
96	4.366941	9	0.172223	Stop	96	0.083296	8	0.177668	Stop
97	-1.03285	47	0.171365	Stop	97	-5.11739	38	0.178347	Stop
98	**0.358846**	**56**	**0.170356**	**Lanjut**	98	-2.37556	63	0.177493	Stop
99	-1.37393	7	0.169616	Stop	99	0.601755	1	0.176687	Stop
100	-1.43489	20	0.1689	Stop	100	-2.2007	6	0.175808	Stop
101	-1.03285	47	0.168074	Stop	101	-2.84454	29	0.175129	Stop

θ = 0.5					θ = 0.6				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
⋮	⋮	⋮	⋮	⋮	102	0.82319	21	0.174423	Stop
976	-0.29443	34	0.072750	Stop	103	1.994168	28	0.174242	Stop
977	-1.24E-14	70	0.072682	Stop	104	2.410417	17	0.174292	Stop
978	-2.23183	50	0.072653	Stop	105	-4.6366	50	0.174571	Stop
979	-0.29443	34	0.072586	Stop	106	-1.52905	27	0.173619	Stop
980	3.751031	64	0.072591	Stop	107	0.379411	64	0.172805	Stop
981	-0.0342	11	0.072522	Stop	108	-1.78827	39	0.171907	Stop
982	2.095159	21	0.072473	Stop	109	-4.6366	50	0.172168	Stop
983	-1.27725	68	0.072420	Stop	110	-3.06342	30	0.171608	Stop
984	3.541658	4	0.072416	Stop	111	-1.78827	39	0.170725	Stop
985	-2.38457	36	0.072393	Stop	112	-2.37556	63	0.169964	Stop
986	2.181372	45	0.072346	Stop	113	0.576988	45	0.169255	Stop
987	-1.03285	47	0.072289	Stop	114	0.553424	66	0.168543	Stop
988	-1.66996	53	0.072245	Stop	115	0.793911	48	0.167905	Stop
989	-1.51274	31	0.072197	Stop	116	-3.21703	55	0.16744	Stop
990	-1.33E-14	22	0.072129	Stop	117	0.601755	1	0.16676	Stop
991	-0.9861	71	0.072072	Stop	118	-4.9858	61	0.167225	Stop
992	-2.59978	37	0.072056	Stop	119	-3.5615	60	0.166893	Stop
993	-2.34424	26	0.072031	Stop	**120**	**4.288852**	**33**	**0.16829**	**Lanjut**
994	1.840092	48	0.071978	Stop	121	-1.51147	58	0.167439	Stop
995	-1.07558	23	0.071922	Stop	122	0.083296	8	0.166663	Stop
996	-2.38457	36	0.071899	Stop	123	-0.69514	56	0.165812	Stop
997	3.042282	52	0.071877	Stop	⋮	⋮	⋮	⋮	⋮
998	3.954214	19	0.071891	Stop	998	4.288852	33	0.071605	Stop
999	-2.2142	60	0.071862	Stop	999	-2.90393	23	0.071559	Stop
1000	-2.38457	36	0.071839	Stop	1000	0.601755	1	0.071509	Stop

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-0.22662	1	0	Lanjut	Data Asli	-0.89211	1	0	Lanjut
Data Asli	-4.27586	2	2.024621	Lanjut	Data Asli	-4.97061	2	2.039247	Lanjut
Data Asli	-3.1027	3	1.202879	Lanjut	Data Asli	-3.73099	3	1.207155	Lanjut
Data Asli	0.873781	4	1.204043	Lanjut	Data Asli	0.168084	4	1.198636	Lanjut
Data Asli	-3.49885	5	1.000873	Lanjut	Data Asli	-4.19539	5	0.998655	Lanjut
Data Asli	-3.10792	6	0.836153	Lanjut	Data Asli	-3.76742	6	0.83373	Lanjut
Data Asli	-3.10593	7	0.717846	Lanjut	Data Asli	-3.80972	7	0.716565	Lanjut
Data Asli	-0.61576	8	0.65835	Lanjut	Data Asli	-1.30117	8	0.657045	Lanjut

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	2.581377	9	0.781943	Lanjut	Data Asli	1.914716	9	0.782079	Lanjut
Data Asli	-1.73553	10	0.699506	Lanjut	Data Asli	-2.40445	10	0.699611	Lanjut
Data Asli	-1.72834	11	0.632802	Lanjut	Data Asli	-2.45493	11	0.632981	Lanjut
Data Asli	-3.43999	12	0.59701	Lanjut	Data Asli	-4.15519	12	0.597873	Lanjut
Data Asli	-5.29027	13	0.611899	Lanjut	Data Asli	-5.88457	13	0.609579	Lanjut
Data Asli	-5.40175	14	0.614971	Lanjut	Data Asli	-6.03371	14	0.611723	Lanjut
Data Asli	-2.39756	15	0.572551	Lanjut	Data Asli	-2.99599	15	0.569487	Lanjut
Data Asli	1.028313	16	0.57451	Lanjut	Data Asli	0.44087	16	0.573721	Lanjut
Data Asli	1.851754	17	0.587367	Lanjut	Data Asli	1.200685	17	0.586995	Lanjut
Data Asli	-0.24305	18	0.560999	Lanjut	Data Asli	-0.88217	18	0.560871	Lanjut
Data Asli	1.31819	19	0.554964	Lanjut	Data Asli	0.698847	19	0.555513	Lanjut
Data Asli	-3.7847	20	0.537635	Lanjut	Data Asli	-4.35331	20	0.53724	Lanjut
Data Asli	0.691737	21	0.524079	Lanjut	Data Asli	1.78E-15	21	0.523335	Lanjut
Data Asli	4.44E-15	22	0.504957	Lanjut	Data Asli	-0.48465	22	0.505446	Lanjut
Data Asli	-3.44488	23	0.489651	Lanjut	Data Asli	-3.9219	23	0.488893	Lanjut
Data Asli	0.681888	24	0.478441	Lanjut	Data Asli	0.136031	24	0.478545	Lanjut
Data Asli	-0.0284	25	0.462744	Lanjut	Data Asli	-0.69039	25	0.46272	Lanjut
Data Asli	-3.94014	26	0.45474	Lanjut	Data Asli	-4.61663	26	0.455024	Lanjut
Data Asli	-2.68399	27	0.439579	Lanjut	Data Asli	-3.30286	27	0.439777	Lanjut
Data Asli	0.703455	28	0.43146	Lanjut	Data Asli	5.33E-15	28	0.431218	Lanjut
Data Asli	-3.69482	29	0.423069	Lanjut	Data Asli	-4.37969	29	0.423107	Lanjut
Data Asli	-3.7293	30	0.414916	Lanjut	Data Asli	-4.36262	30	0.414896	Lanjut
Data Asli	-3.20635	31	0.404404	Lanjut	Data Asli	-3.91021	31	0.404632	Lanjut
Data Asli	-0.59063	32	0.393116	Lanjut	Data Asli	-1.27064	32	0.393241	Lanjut
Data Asli	3.267522	33	0.409378	Lanjut	Data Asli	2.603648	33	0.409291	Lanjut
Data Asli	-1.1235	34	0.397329	Lanjut	Data Asli	-1.79612	34	0.397223	Lanjut
Data Asli	-1.48976	35	0.38581	Lanjut	Data Asli	-2.21637	35	0.38571	Lanjut
Data Asli	-3.67104	36	0.37971	Lanjut	Data Asli	-4.36985	36	0.379834	Lanjut
Data Asli	-5.66782	37	0.385546	Lanjut	Data Asli	-6.25344	37	0.385158	Lanjut
Data Asli	-5.81236	38	0.390689	Lanjut	Data Asli	-6.41834	38	0.390012	Lanjut
Data Asli	-2.4394	39	0.380903	Lanjut	Data Asli	-3.03388	39	0.380186	Lanjut
Data Asli	1.27984	40	0.379195	Lanjut	Data Asli	0.700293	40	0.378856	Lanjut
Data Asli	1.74649	41	0.379426	Stop	Data Asli	1.104516	41	0.379121	Stop
Data Asli	0.321592	42	0.373231	Lanjut	Data Asli	-0.31147	42	0.372971	Lanjut
Data Asli	2.017591	43	0.374024	Stop	Data Asli	1.39111	43	0.373871	Stop
Data Asli	-3.47605	44	0.368135	Lanjut	Data Asli	-4.04776	44	0.36779	Lanjut
Data Asli	0.51368	45	0.362796	Lanjut	Data Asli	-0.16016	45	0.362374	Lanjut
Data Asli	-0.73721	46	0.355222	Lanjut	Data Asli	-1.17828	46	0.355046	Lanjut
Data Asli	-3.58104	47	0.350402	Lanjut	Data Asli	-4.04517	47	0.34978	Lanjut

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	0.509443	48	0.345672	Lanjut	Data Asli	0	48	0.345401	Lanjut
Data Asli	-0.74582	49	0.338891	Lanjut	Data Asli	-1.36982	49	0.338634	Lanjut
Data Asli	-4.67575	50	0.338131	Stop	Data Asli	-5.30522	50	0.337873	Stop
Data Asli	-3.41188	51	0.333448	Lanjut	Data Asli	-3.99934	51	0.333101	Lanjut
Data Asli	3.55E-15	52	0.328386	Lanjut	Data Asli	-0.67149	52	0.327977	Lanjut
Data Asli	-4.16621	53	0.325884	Lanjut	Data Asli	-4.81576	53	0.325538	Lanjut
Data Asli	-4.1654	54	0.323298	Lanjut	Data Asli	-4.77184	54	0.322891	Lanjut
Data Asli	-3.54756	55	0.319237	Lanjut	Data Asli	-4.22038	55	0.318921	Lanjut
Data Asli	-1.18268	56	0.313612	Lanjut	Data Asli	-1.82815	56	0.313295	Lanjut
Data Asli	2.574792	57	0.316953	Lanjut	Data Asli	1.948603	57	0.316679	Lanjut
Data Asli	-1.90241	58	0.311484	Lanjut	Data Asli	-2.54746	58	0.311218	Lanjut
Data Asli	-2.33021	59	0.306406	Lanjut	Data Asli	-2.99655	59	0.306168	Lanjut
Data Asli	-3.81411	60	0.303472	Lanjut	Data Asli	-4.48742	60	0.30332	Lanjut
Data Asli	-6.02572	61	0.306939	Lanjut	Data Asli	-6.58483	61	0.306508	Lanjut
Data Asli	-6.25286	62	0.31065	Lanjut	Data Asli	-6.82444	62	0.310007	Lanjut
Data Asli	-2.92154	63	0.306199	Lanjut	Data Asli	-3.48359	63	0.305504	Lanjut
Data Asli	0.542678	64	0.303623	Lanjut	Data Asli	5.33E-15	64	0.303115	Lanjut
Data Asli	1.302134	65	0.302652	Stop	Data Asli	0.69423	65	0.302211	Stop
Data Asli	0	66	0.299185	Lanjut	Data Asli	-0.61463	66	0.298772	Lanjut
Data Asli	1.124425	67	0.297699	Lanjut	Data Asli	0.538143	67	0.297387	Lanjut
Data Asli	-3.62858	68	0.294708	Lanjut	Data Asli	-4.18596	68	0.294302	Lanjut
Data Asli	1.78E-15	69	0.29144	Lanjut	Data Asli	-0.6484	69	0.291015	Lanjut
Data Asli	-1.32639	70	0.287288	Lanjut	Data Asli	-1.74907	70	0.286934	Lanjut
Data Asli	-3.96141	71	0.285056	Lanjut	Data Asli	-4.4035	71	0.284429	Lanjut
Data Asli	-0.08813	72	0.281954	Lanjut	Data Asli	-0.5878	72	0.281478	Lanjut
1	-3.7293	30	0.279488	Lanjut	1	-3.03388	39	0.27778	Lanjut
2	-3.62858	68	0.276912	Lanjut	2	-4.04517	47	0.275009	Lanjut
3	-0.73721	46	0.273514	Lanjut	3	0.698847	19	0.274302	Stop
4	-4.27586	2	0.271987	Lanjut	4	0.136031	24	0.27254	Lanjut
5	-0.61576	8	0.268834	Lanjut	5	-2.99599	15	0.269149	Lanjut
6	2.581377	9	0.27107	Lanjut	6	-3.76742	6	0.266374	Lanjut
7	-3.54756	55	0.268661	Lanjut	7	-0.67149	52	0.263771	Lanjut
8	-2.68399	27	0.265565	Lanjut	8	-3.91021	31	0.261265	Lanjut
9	-0.74582	49	0.262538	Lanjut	9	-3.99934	51	0.258887	Lanjut
10	-2.92154	63	0.259743	Lanjut	10	-4.04517	47	0.256589	Lanjut
11	-1.90241	58	0.256604	Lanjut	11	-4.19539	5	0.254476	Lanjut
12	-4.27586	2	0.255351	Lanjut	12	-3.30286	27	0.251685	Lanjut
13	-3.43999	12	0.253112	Lanjut	13	1.104516	41	0.252025	Stop
14	-1.90241	58	0.250156	Lanjut	14	-4.18596	68	0.250021	Lanjut

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
15	-0.61576	8	0.24762	Lanjut	15	-3.76742	6	0.247673	Lanjut
16	-3.58104	47	0.245666	Lanjut	16	-1.79612	34	0.244926	Lanjut
17	3.267522	33	0.249419	Lanjut	17	-1.27064	32	0.242462	Lanjut
18	-0.59063	32	0.246952	Lanjut	18	-5.30522	50	0.242007	Stop
19	-3.20635	31	0.244777	Lanjut	19	-6.58483	61	0.243769	Lanjut
20	-0.22662	1	0.242649	Lanjut	20	-3.80972	7	0.241578	Lanjut
21	0.321592	42	0.241018	Lanjut	21	-4.36985	36	0.239872	Lanjut
22	0.681888	24	0.239768	Lanjut	22	-6.58483	61	0.24134	Lanjut
23	-3.94014	26	0.23844	Lanjut	23	-6.58483	61	0.242629	Lanjut
24	-1.73553	10	0.235943	Lanjut	24	1.914716	9	0.244534	Lanjut
25	2.017591	43	0.236601	Stop	25	-2.54746	58	0.242001	Lanjut
26	1.27984	40	0.236073	Stop	26	-0.69039	25	0.240226	Lanjut
27	4.44E-15	22	0.234248	Lanjut	27	1.948603	57	0.241953	Lanjut
28	-0.08813	72	0.232387	Lanjut	28	-5.30522	50	0.241238	Stop
29	2.581377	9	0.233748	Lanjut	29	5.33E-15	28	0.240077	Lanjut
30	-3.7847	20	0.232483	Lanjut	30	-4.04517	47	0.238234	Lanjut
31	1.302134	65	0.231895	Stop	31	1.104516	41	0.238425	Stop
32	-3.7293	30	0.230617	Lanjut	32	0.44087	16	0.237716	Stop
33	-2.33021	59	0.228528	Lanjut	33	-3.9219	23	0.235892	Lanjut
34	-3.49885	5	0.227093	Lanjut	34	-4.19539	5	0.234266	Lanjut
35	1.31819	19	0.226593	Stop	35	-3.99934	51	0.232534	Lanjut
36	-1.73553	10	0.224491	Lanjut	36	1.39111	43	0.233081	Stop
37	-3.47605	44	0.223114	Lanjut	37	-4.36262	30	0.231633	Lanjut
38	-3.10792	6	0.221513	Lanjut	38	-0.5878	72	0.230121	Lanjut
39	-1.72834	11	0.219512	Lanjut	39	-6.41834	38	0.23089	Stop
40	-4.67575	50	0.219277	Stop	40	1.78E-15	21	0.229853	Lanjut
41	0.703455	28	0.218299	Stop	41	-4.35331	20	0.228453	Lanjut
42	1.31819	19	0.217886	Stop	42	2.603648	33	0.230712	Lanjut
43	-1.18268	56	0.21601	Lanjut	43	-3.48359	63	0.228895	Lanjut
44	1.851754	17	0.216164	Stop	44	-4.81576	53	0.227867	Lanjut
45	0.321592	42	0.214899	Lanjut	45	-3.76742	6	0.226204	Lanjut
46	1.124425	67	0.214251	Stop	46	-3.03388	39	0.224337	Lanjut
47	0.703455	28	0.213252	Stop	47	-4.36985	36	0.223036	Lanjut
48	-2.68399	27	0.211703	Lanjut	48	1.104516	41	0.223148	Stop
49	-3.54756	55	0.21063	Lanjut	49	-3.30286	27	0.221415	Lanjut
50	-1.72834	11	0.208904	Lanjut	50	-2.99655	59	0.219642	Lanjut
51	-3.69482	29	0.207956	Stop	51	-3.91021	31	0.218179	Lanjut
52	1.27984	40	0.207514	Stop	52	1.914716	9	0.219253	Lanjut
53	2.581377	9	0.208432	Stop	53	-0.5878	72	0.217981	Lanjut

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
54	-3.43999	12	0.207358	Lanjut	54	-4.15519	12	0.216693	Lanjut
55	-3.47605	44	0.206311	Lanjut	55	0.44087	16	0.21615	Stop
56	-3.62858	68	0.205362	Stop	56	-6.41834	38	0.216753	Stop
57	-3.1027	3	0.204131	Lanjut	57	1.104516	41	0.216795	Stop
58	-3.54756	55	0.203145	Stop	58	-4.48742	60	0.215723	Lanjut
59	-3.54756	55	0.202163	Stop	59	-4.19539	5	0.214504	Lanjut
60	1.028313	16	0.201587	Stop	60	-0.61463	66	0.213313	Lanjut
61	-3.10792	6	0.200409	Lanjut	61	1.948603	57	0.214224	Stop
62	-1.18268	56	0.198928	Lanjut	62	-6.25344	37	0.214579	Stop
63	-3.7293	30	0.198104	Stop	63	-3.48359	63	0.213133	Lanjut
64	-1.32639	70	0.19665	Lanjut	64	0.698847	19	0.212794	Stop
65	1.028313	16	0.196129	Stop	65	-2.40445	10	0.211235	Lanjut
66	-4.1654	54	0.195622	Stop	66	0	48	0.210413	Stop
67	-3.20635	31	0.194565	Lanjut	67	-1.30117	8	0.209037	Lanjut
68	-5.66782	37	0.195362	Stop	68	-1.36982	49	0.20766	Lanjut
69	2.017591	43	0.195672	Stop	69	-4.48742	60	0.206734	Stop
70	-6.25286	62	0.19705	Lanjut	70	-4.4035	71	0.20577	Stop
71	-3.58104	47	0.196147	Stop	71	-5.30522	50	0.205342	Stop
72	-1.73553	10	0.194782	Lanjut	72	-4.61663	26	0.204487	Stop
73	-3.20635	31	0.193738	Lanjut	73	-3.30286	27	0.203162	Lanjut
74	-3.81411	60	0.19298	Stop	74	-0.48465	22	0.202205	Stop
75	-3.69482	29	0.192162	Stop	75	-0.48465	22	0.201254	Stop
76	-1.32639	70	0.190874	Lanjut	76	5.33E-15	64	0.200548	Stop
77	2.574792	57	0.191717	Stop	77	1.914716	9	0.201279	Stop
78	0.542678	64	0.190991	Stop	78	-0.69039	25	0.200242	Lanjut
79	-3.7293	30	0.190232	Stop	79	-0.5878	72	0.199252	Stop
80	-5.40175	14	0.190589	Stop	80	-3.99934	51	0.19824	Lanjut
81	-3.7847	20	0.189845	Stop	81	-3.91021	31	0.197205	Lanjut
82	-4.16621	53	0.189298	Stop	82	-1.30117	8	0.19604	Lanjut
83	-3.43999	12	0.188409	Stop	83	-3.73099	3	0.194975	Lanjut
84	-3.47605	44	0.18754	Stop	84	-4.04776	44	0.194023	Stop
85	-3.62858	68	0.186738	Stop	85	-6.58483	61	0.194644	Stop
86	-3.7847	20	0.186008	Stop	86	-5.88457	13	0.194664	Stop
87	-0.22662	1	0.18508	Stop	87	-1.30117	8	0.193564	Lanjut
88	0	66	0.184239	Stop	88	-2.99599	15	0.192385	Lanjut
89	-0.24305	18	0.183322	Stop	89	-0.6484	69	0.191501	Stop
90	-5.40175	14	0.183603	Stop	90	-1.27064	32	0.190443	Lanjut
91	-3.41188	51	0.182762	Stop	91	-3.80972	7	0.18947	Stop
92	2.581377	9	0.183552	Stop	92	-2.40445	10	0.188311	Lanjut

θ = 0.7					θ = 0.8				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**	**Iterasi**	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
93	2.581377	9	0.18429	Stop	93	-1.27064	32	0.187293	Lanjut
94	-3.7293	30	0.183586	Stop	94	-0.6484	69	0.186459	Stop
95	2.581377	9	0.184281	Stop	95	-1.74907	70	0.185379	Lanjut
96	-1.73553	10	0.183181	Lanjut	96	-0.6484	69	0.184562	Stop
97	-3.58104	47	0.182441	Stop	97	1.200685	17	0.184682	Stop
98	-1.18268	56	0.181389	Lanjut	98	0.168084	4	0.18419	Stop
99	0.51368	45	0.180785	Stop	99	1.104516	41	0.184213	Stop
100	**-1.18268**	**56**	**0.179754**	**Lanjut**	100	0.168084	4	0.183709	Stop
101	0.873781	4	0.179318	Stop	101	-4.81576	53	0.18322	Stop
102	-4.1654	54	0.178865	Stop	102	1.39111	43	0.183407	Stop
103	-0.73721	46	0.177921	Stop	**103**	**-1.79612**	**34**	**0.182379**	**Lanjut**
⋮	⋮	⋮	⋮	⋮	104	-2.99655	59	0.181383	Stop
995	-4.67575	50	0.073046	Stop	105	-6.03371	14	0.181586	Stop
996	-0.59063	32	0.072986	Stop	106	-3.73099	3	0.180737	Stop
997	1.31819	19	0.072973	Stop	⋮	⋮	⋮	⋮	⋮
998	-6.25286	62	0.073027	Stop	998	-4.61663	26	0.071483	Stop
999	-3.62858	68	0.072981	Stop	999	-2.45493	11	0.071416	Stop
1000	1.27984	40	0.072967	Stop	1000	-3.91021	31	0.071365	Stop

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-2.15505	1	0	Lanjut
Data Asli	-6.49942	2	2.172184	Lanjut
Data Asli	-4.73501	3	1.261456	Lanjut
Data Asli	-1.49597	4	1.160129	Lanjut
Data Asli	-5.80843	5	0.990845	Lanjut
Data Asli	-5.11485	6	0.825216	Lanjut
Data Asli	-5.40711	7	0.715097	Lanjut
Data Asli	-2.86895	8	0.65042	Lanjut
Data Asli	0.537692	9	0.783121	Lanjut
Data Asli	-3.81322	10	0.700497	Lanjut
Data Asli	-4.30504	11	0.635731	Lanjut
Data Asli	-5.91369	12	0.60678	Lanjut
Data Asli	-6.59114	13	0.59359	Lanjut
Data Asli	-7.09804	14	0.588087	Lanjut
Data Asli	-3.68935	15	0.549392	Lanjut
Data Asli	-0.04479	16	0.579525	Lanjut
Data Asli	0.00462	17	0.594625	Lanjut

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-1.899	18	0.570721	Lanjut
Data Asli	-0.15143	19	0.571527	Stop
Data Asli	-4.76455	20	0.545707	Lanjut
Data Asli	-1.48428	21	0.528673	Lanjut
Data Asli	-0.54196	22	0.521581	Lanjut
Data Asli	-3.58217	23	0.498485	Lanjut
Data Asli	-0.26544	24	0.49444	Lanjut
Data Asli	-1.93333	25	0.477109	Lanjut
Data Asli	-5.96278	26	0.470679	Lanjut
Data Asli	-4.21114	27	0.454189	Lanjut
Data Asli	-1.64216	28	0.441778	Lanjut
Data Asli	-5.87341	29	0.435655	Lanjut
Data Asli	-5.38006	30	0.426258	Lanjut
Data Asli	-5.50329	31	0.417705	Lanjut
Data Asli	-2.78207	32	0.405046	Lanjut
Data Asli	1.227861	33	0.417573	Lanjut
Data Asli	-3.25075	34	0.405111	Lanjut
Data Asli	-4.10514	35	0.394	Lanjut
Data Asli	-5.95748	36	0.389711	Lanjut
Data Asli	-6.87562	37	0.39038	Stop
Data Asli	-7.20622	38	0.392209	Lanjut
Data Asli	-3.68328	39	0.382025	Lanjut
Data Asli	0.290188	40	0.384912	Lanjut
Data Asli	-5.33E-15	41	0.385063	Stop
Data Asli	-1.28497	42	0.37923	Lanjut
Data Asli	0.445562	43	0.380825	Lanjut
Data Asli	-4.50705	44	0.373099	Lanjut
Data Asli	-1.45564	45	0.367048	Lanjut
Data Asli	-0.72251	46	0.363241	Lanjut
Data Asli	-3.56779	47	0.355506	Lanjut
Data Asli	-1.78E-15	48	0.354451	Lanjut
Data Asli	-2.21191	49	0.34768	Lanjut
Data Asli	-6.14359	50	0.345913	Lanjut
Data Asli	-4.55961	51	0.340109	Lanjut
Data Asli	-2.01976	52	0.334311	Lanjut
Data Asli	-5.93237	53	0.331961	Lanjut
Data Asli	-5.49499	54	0.328387	Lanjut
Data Asli	-5.49675	55	0.324834	Lanjut

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
Data Asli	-2.97113	56	0.319048	Lanjut
Data Asli	0.937997	57	0.322219	Lanjut
Data Asli	-3.68972	58	0.316704	Lanjut
Data Asli	-4.26602	59	0.311754	Lanjut
Data Asli	-5.8171	60	0.309419	Lanjut
Data Asli	-6.88182	61	0.309851	Stop
Data Asli	-7.24133	62	0.31111	Lanjut
Data Asli	-3.78363	63	0.30618	Lanjut
Data Asli	-1.78E-15	64	0.306135	Stop
Data Asli	-0.06227	65	0.305715	Stop
Data Asli	-1.38532	66	0.302505	Lanjut
Data Asli	-5.33E-15	67	0.30203	Stop
Data Asli	-4.48773	68	0.2981	Lanjut
Data Asli	-1.6838	69	0.294659	Lanjut
Data Asli	-1.06138	70	0.29211	Lanjut
Data Asli	-3.67685	71	0.288036	Lanjut
Data Asli	-0.47223	72	0.286584	Lanjut
1	-5.33E-15	41	0.285999	Stop
2	-2.21191	49	0.282393	Lanjut
3	-2.97113	56	0.278612	Lanjut
4	-3.68935	15	0.275018	Lanjut
5	-5.96278	26	0.273881	Lanjut
6	-6.59114	13	0.273861	Stop
7	-4.10514	35	0.270602	Lanjut
8	-5.96278	26	0.269365	Lanjut
9	-5.49499	54	0.267435	Lanjut
10	0.537692	9	0.26826	Stop
11	-3.67685	71	0.265058	Lanjut
12	-6.59114	13	0.264878	Stop
13	-1.45564	45	0.262636	Lanjut
14	-5.80843	5	0.261233	Lanjut
15	-1.06138	70	0.259495	Lanjut
16	-1.28497	42	0.257525	Lanjut
17	-5.40711	7	0.255762	Lanjut
18	-7.20622	38	0.256643	Stop
19	-5.80843	5	0.255273	Lanjut
20	-1.38532	66	0.253384	Lanjut
21	-1.6838	69	0.251267	Lanjut

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
22	-2.78207	32	0.248643	Lanjut
23	-3.68935	15	0.246046	Lanjut
24	-3.78363	63	0.243519	Lanjut
25	-5.8171	60	0.242374	Lanjut
26	-5.50329	31	0.240902	Lanjut
27	-1.6838	69	0.239058	Lanjut
28	-5.96278	26	0.238099	Stop
29	-7.20622	38	0.238769	Stop
30	-0.26544	24	0.238416	Stop
31	-4.48773	68	0.236336	Lanjut
32	-5.38006	30	0.234835	Lanjut
33	-0.54196	22	0.234183	Stop
34	-2.78207	32	0.232032	Lanjut
35	0.00462	17	0.232013	Stop
36	-1.6838	69	0.230368	Lanjut
37	-4.73501	3	0.228609	Lanjut
38	-4.30504	11	0.226691	Lanjut
39	-0.72251	46	0.225883	Stop
40	-2.01976	52	0.224161	Lanjut
41	-3.67685	71	0.222191	Lanjut
42	-2.86895	8	0.220269	Lanjut
43	-5.38006	30	0.219083	Lanjut
44	-5.33E-15	67	0.219077	Stop
45	-4.50705	44	0.21744	Lanjut
46	0.445562	43	0.21793	Stop
47	-6.14359	50	0.217425	Stop
48	-2.86895	8	0.215637	Lanjut
49	-0.06227	65	0.215516	Stop
50	-3.56779	47	0.213756	Lanjut
51	-5.95748	36	0.213128	Stop
52	-4.10514	35	0.211502	Lanjut
53	-1.6838	69	0.210204	Lanjut
54	-5.96278	26	0.209603	Stop
55	-5.33E-15	67	0.209577	Stop
56	-6.14359	50	0.209127	Stop
57	-5.49499	54	0.208189	Stop
58	0.937997	57	0.20917	Stop
59	-3.78363	63	0.207601	Lanjut

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
60	-3.78363	63	0.206055	Lanjut
61	-2.86895	8	0.204526	Lanjut
62	0.00462	17	0.204485	Stop
63	-3.58217	23	0.202978	Lanjut
64	0.937997	57	0.203848	Stop
65	-4.55961	51	0.202582	Lanjut
66	-3.56779	47	0.201122	Lanjut
67	-0.26544	24	0.200826	Stop
68	-3.68935	15	0.199413	Lanjut
69	-0.47223	72	0.198963	Stop
70	-4.48773	68	0.197759	Lanjut
71	-3.68972	58	0.196398	Lanjut
72	0.937997	57	0.197166	Stop
73	-7.24133	62	0.197773	Stop
74	-1.64216	28	0.196715	Lanjut
75	-4.26602	59	0.195502	Lanjut
76	-5.49499	54	0.194781	Stop
77	-2.01976	52	0.193643	Lanjut
78	-3.58217	23	0.192361	Lanjut
79	-5.50329	31	0.191672	Stop
80	0.290188	40	0.191827	Stop
81	-3.68935	15	0.190593	Lanjut
82	-5.49675	55	0.189922	Stop
83	-5.38006	30	0.189195	Stop
84	-1.899	18	0.18818	Lanjut
85	-1.38532	66	0.187355	Stop
86	-3.56779	47	0.186177	Lanjut
87	-3.58217	23	0.185015	Lanjut
88	-1.6838	69	0.184113	Stop
89	-4.73501	3	0.183203	Stop
90	-2.15505	1	0.182193	Lanjut
91	-3.68935	15	0.181093	Lanjut
92	-5.87341	29	0.180701	Stop
93	-3.67685	71	0.179621	Lanjut
94	-5.8171	60	0.1792	Stop
95	-1.78E-15	64	0.179199	Stop
96	1.227861	33	0.180114	Stop
97	**-3.67685**	**71**	**0.179065**	**Lanjut**

θ = 0.9				
Iterasi	**Nilai Residual**	**Data ke**	**Standar error**	**Ket**
98	-1.28497	42	0.178376	Stop
99	-4.10514	35	0.177405	Stop
100	-4.50705	44	0.176529	Stop
⋮	⋮	⋮	⋮	⋮
998	-1.45564	45	0.073977	Stop
999	-5.11485	6	0.073929	Stop
1000	-2.15505	1	0.073867	Stop

Lampiran 8. Ilustrasi Estimasi Parameter Regresi Kuantil *Bootstrap* Dengan Menggunakan Algoritma Simpleks Contoh Data Penelitian Angka Kemiskinan

y	x_1	x_2	x_3
12.48	67.38	76.33	2.44
7.1	68.99	82.49	3.42
8.95	68.73	73.35	4.27
14.58	64.26	71.87	2.31
8.44	67.31	76.7	4.16

Misalkan sebuah persamaan kuantil dengan nilai $\theta = 0.2$ dan persamaan prediksinya adalah sebagai berikut :

$$\hat{y}_i^*(\theta) = \hat{\beta}_0(\theta) + \hat{\beta}_1(\theta)X_{i1}^* + \hat{\beta}_2(\theta)X_{i2}^* + \hat{\beta}_3(\theta)X_{i3}^*$$

Minimalkan untuk nilai θ = 0.2 :

$$\theta \sum_{i=1}^{n} |\varepsilon_{1i}| = 0.2\ [\ |\varepsilon_{11}| + |\varepsilon_{12}| + |\varepsilon_{13}| + |\varepsilon_{14}| + |\varepsilon_{15}|]$$

$$(1-\theta) \sum_{i=1}^{n} |\varepsilon_{2i}| = 0.8\ [\ |\varepsilon_{21}| + |\varepsilon_{22}| + |\varepsilon_{23}| + |\varepsilon_{24}| + |\varepsilon_{25}|]$$

Dengan Kendala :

$\hat{\beta}_0 + 67.38\hat{\beta}_1 + 76.33\hat{\beta}_2 + 2.44\hat{\beta}_3 + \varepsilon_{11} - \varepsilon_{21} = 12.48$

$\hat{\beta}_0 + 68.99\hat{\beta}_1 + 82.49\hat{\beta}_2 + 3.42\hat{\beta}_3 + \varepsilon_{12} - \varepsilon_{22} = 7.1$

$\hat{\beta}_0 + 68.73\hat{\beta}_1 + 73.35\hat{\beta}_2 + 4.27\hat{\beta}_3 + \varepsilon_{13} - \varepsilon_{23} = 8.95$

$\hat{\beta}_0 + 64.26\hat{\beta}_1 + 71.87\hat{\beta}_2 + 2.31\hat{\beta}_3 + \varepsilon_{14} - \varepsilon_{24} = 14.58$

$\hat{\beta}_0 + 67.31\hat{\beta}_1 + 76.7\hat{\beta}_2 + 4.16\hat{\beta}_3 + \varepsilon_{15} - \varepsilon_{25} = 8.44$

$\varepsilon_{1i}, \varepsilon_{2i} \geq 0$

Misalkan,

$\hat{\beta}_0 = x_1$	$\varepsilon_{11} = x_5$	$\varepsilon_{15} = x_9$	$\varepsilon_{24} = x_{13}$
$\hat{\beta}_1 = x_2$	$\varepsilon_{12} = x_6$	$\varepsilon_{21} = x_{10}$	$\varepsilon_{25} = x_{14}$
$\hat{\beta}_2 = x_3$	$\varepsilon_{13} = x_7$	$\varepsilon_{22} = x_{11}$	
$\hat{\beta}_3 = x_4$	$\varepsilon_{14} = x_8$	$\varepsilon_{23} = x_{12}$	

Lampiran 8. Ilustrasi Estimasi Parameter Regresi Kuantil *Bootstrap* Dengan Menggunakan Algoritma Simpleks Contoh Data Penelitian Angka Kemiskinan (lanjutan)

Selanjutnya, persamaan fungsi tujuan dan kendala di masukkan ke dalam tabel simpleks awal yang disajikan pada tabel dibawah ini :

Tabel Simpleks Awal

c_b	v_b	w_b	x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	x_9	x_{10}	x_{11}	x_{12}	x_{13}	x_{14}
c_j			*0*	*0*	0	*0*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*
0.2	x_5	12.48	1	67.38	76.33	2.44	1	0	0	0	0	-1	0	0	0	0
0.2	x_6	7.1	1	68.99	82.49	3.42	0	1	0	0	0	0	-1	0	0	0
0.2	x_7	8.95	1	68.73	73.35	4.27	0	0	1	0	0	0	0	-1	0	0
0.2	x_8	14.58	1	64.26	71.87	2.31	0	0	0	1	0	0	0	0	-1	0
0.2	x_9	8.44	1	67.31	76.7	4.16	0	0	0	0	1	0	0	0	0	-1
z_j		10.30	1	67.33	76.15	3.32	0.2	0.2	0.2	0.2	0.2	-0.2	-0.2	-0.2	-0.2	-0.2
$c_j - z_j$			-1	-67.33	-76.15	-3.32	0	0	0	0	0	1	1	1	1	1

$$\hat{\beta}_0 + 67.38\hat{\beta}_1 + 76.33\hat{\beta}_2 + 2.44\hat{\beta}_3 + \varepsilon_{11} - \varepsilon_{21} = 12.48$$

Pada Tabel simpleks awal yang didapatkan, dapat dilihat bahwa nilai $c_j - z_j$ yang paling kecil adalah -76.15 yang berada pada kolom x_3, sehingga kolom x_3 dijadikan sebagai kolom kunci. Selain itu, untuk penentuan baris kunci diperoleh dari rasio terkecil untuk x_3 yaitu $\frac{7.1}{82.49} = 0.08$, sehingga baris kuncinya adalah x_6 dengan demikian maka nilai x_3 mengganti x_6 di variabel dasar.

$$\boldsymbol{Baris\ kunci\ baru} = \frac{\boldsymbol{baris\ kunci\ lama}}{\boldsymbol{pivot}}$$

$$Baris\ kunci\ baru : \frac{1}{82{,}49}\ (7.1\ ;\ 1\ ;\ 68.99\ ;\ 82.49\ ;\ 3.42\ ;\ 0\ ;\ 1\ ;\ 0\ ;\ 0\ ;\ 0\ ;\ -1\ ;\ 0\ ;\ 0\ ;\ 0$$

$$Baris\ kunci\ baru :\ (0.08\ ;\ 0.01\ ;\ 0.83\ ;\ 1\ ;\ 0.04\ ;\ 0\ ;\ 0.01\ ;\ 0\ ;\ 0\ ;\ 0\ ;\ -0.01\ ;\ 0\ ;\ 0\ ;\ 0)$$

Sedangkan untuk mencari baris baru yang lain diperoleh dari baris lama dikurangi nilai kolom kunci yang dikali dengan baris kunci baru, sehingga diperoleh hasil sebagai berikut :

$$\boldsymbol{Baris(I)baru = baris(I)lama - 76.33(baris\ kunci\ baru)}$$

= (12.48 ; 1 ; 67.38 ; 76.33 ; 2.44 ; 1 ; 0 ; 0 ; 0 ; 0 ; -1 ; 0 ; 0 ; 0 ; 0)
76.33 (0.08 ; 0.01 ; 0.83 ; 1 ; 0.04 ; 0 ; 0.01 ; 0 ; 0 ; 0 ; 0 ; -0.01 ; 0 ; 0 ; 0) –
= (6.37 ; 0.24 ; 4.02 ; 0 ; -0.61 ; 1 ; -0.76 ; 0 ; 0 ; 0 ; -1 ; 0.76 ; 0 ; 0 ; 0)

Untuk hasil perhitungan baris baru lainnya pada iterasi kedua dapat dilihat secara lengkap pada tabel simpleks yang disajikan pada tabel dibawah ini :

Tabel Simpleks Kedua

c_j			*0*	*0*	0	*0*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*
c_b	v_b	w_b	x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	x_9	x_{10}	x_{11}	x_{12}	x_{13}	x_{14}
0.2	x_5	6.37	0.24	4.02	0	-0.61	1	-0.76	0	0	0	-1	0.76	0	0	0
0.2	x_3	0.08	0.01	0.83	1	0.04	0	0.01	0	0	0	0	-0.01	0	0	0
0.2	x_7	3.08	0.26	7.84	0	1.33	0	-0.73	1	0	0	0	0.73	-1	0	0
0.2	x_8	8.83	0.28	4.6	0	-0.56	0	-0.71	0	1	0	0	0.71	0	-1	0
0.2	x_9	2.30	0.23	3.64	0	1.09	0	-0.77	0	0	1	0	0.77	0	0	-1
z_j		4.13	0.20	4.19	0.2	0.26	0.2	-0.6	0.2	0.2	0.2	-0.2	0.6	-0.2	-0.2	-0.2
$c_j - z_j$			-0.20	-4.19	-0.2	-0.26	0	0.6	0	0	0	1	0.2	1	1	1

Pada Tabel Simpleks Kedua dapat dilihat bahwa nilai $(cj - zj)$ yang paling kecil adalah -4.19 yang berada pada kolom x_2, maka kolom kuncinya adalah x_2, sehingga kolom x_2 dijadikan sebagai kolom kunci. Selain itu, untuk penentuan baris kunci di peroleh dari rasio terkecil dari x_3 yaitu $\frac{0.08}{0.83} = 0.096$, maka baris kuncinya adalah x_3. Dengan demikian x_2 mengganti x_3 di variabel dasar.

Iterasi algoritma simpleks dilakukan sampai nilai $(cj - zj)$ tidak ada lagi yang bernilai negatif, sehingga diperoleh hasil estimasi parameter $\hat{\beta}(\theta)$.