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LAMPIRAN

Lampiran 1

Data IPK dan Nilai UAN

i	x_{i1}	x_{i2}	x_{i3}	x_{i4}	x_{i5}	x_{i6}	y_i
1	9.00	8.00	9.75	8.50	8.50	7.75	1.30
2	7.40	8.60	9.00	9.25	9.25	8.75	3.41
3	6.80	8.00	8.75	8.00	8.75	8.75	3.30
4	8.20	6.80	8.50	9.00	8.25	9.00	3.55
5	7.80	7.80	8.25	6.00	8.25	6.25	3.67
6	8.80	7.20	6.50	7.00	7.50	6.50	1.42
7	8.25	8.00	8.50	7.25	7.75	5.25	3.03
8	7.00	8.60	7.00	9.75	8.00	6.50	3.50
9	8.80	8.00	7.90	7.60	8.00	7.40	3.16
10	8.00	8.40	8.00	7.25	7.75	8.25	3.60
11	6.40	8.20	8.00	7.25	8.50	8.00	3.18
12	7.60	9.00	9.25	8.75	8.50	8.75	3.85
13	8.20	8.20	7.50	8.25	8.00	7.25	3.00
14	8.80	8.00	8.75	8.25	8.75	9.00	3.54
15	7.80	8.60	9.00	7.25	8.50	8.50	3.67
16	6.20	7.80	7.00	8.00	8.25	8.25	3.51
17	7.60	7.60	8.50	8.00	8.00	7.00	3.00
18	5.20	8.20	8.25	7.50	8.50	8.75	3.06
19	8.80	7.40	9.25	7.75	7.75	7.00	3.13
20	8.00	7.20	8.75	8.25	9.50	8.25	3.28
21	8.80	7.40	8.50	7.75	8.50	8.00	3.51
22	9.20	8.20	9.25	7.75	9.00	7.25	3.16
23	9.00	8.20	9.00	9.25	8.00	9.00	3.24
24	8.20	8.00	9.50	8.25	8.25	8.75	1.15
25	6.20	8.00	4.50	8.25	8.75	8.00	3.40
26	8.80	8.00	7.90	8.90	7.70	8.00	3.20
27	5.60	6.50	8.60	6.70	7.40	8.25	3.43
28	6.40	8.20	8.00	7.25	8.50	7.60	3.18
29	7.60	9.00	8.00	8.75	8.50	8.70	3.43
30	7.25	8.25	7.75	8.25	7.50	8.50	2.65
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
147	8.20	7.25	8.50	6.80	8.00	7.25	3.23
148	7.20	8.40	9.00	8.00	9.00	8.80	3.76
149	8.00	6.00	8.40	7.25	7.60	7.70	3.63
150	9.20	7.80	9.00	8.25	8.00	7.80	3.22

Lampiran 2

Nilai *DfFITS* dan *Leverage Value* (h_{ii})

Obs.	Nilai DfFITS	|DfFITS|	Nilai Leverage Value
1	-1.2435	**1.2435**	0.0368
⋮	⋮	⋮	⋮
5	0.2503	0.2503	**0.0811**
6	-1.4667	**1.4667**	0.0770
7	-0.1676	0.1676	**0.0898**
⋮	⋮	⋮	⋮
24	-1.1059	**1.1059**	0.0222
25	0.0424	0.0424	**0.1135**
26	-0.0178	0.0178	0.0259
27	0.1828	0.1828	**0.0886**
⋮	⋮	⋮	⋮
40	0.3089	0.3089	**0.1117**
⋮	⋮	⋮	⋮
86	0.4930	**0.4930**	0.0651
⋮	⋮	⋮	⋮
90	0.2656	0.2656	**0.1418**
⋮	⋮	⋮	⋮
100	0.2437	0.2437	**0.1079**
109	-0.0412	0.0412	0.0045
111	-0.1451	0.1451	**0.0947**
⋮	⋮	⋮	⋮
122	-0.6029	**0.6029**	**0.1025**
⋮	⋮	⋮	⋮
131	0.1989	0.1989	**0.0889**
132	0.1409	0.1409	0.0552
133	0.1101	0.1101	**0.0818**
⋮	⋮	⋮	⋮
138	0.1379	0.1379	**0.1311**
139	-0.3802	0.3802	**0.0895**
140	0.0076	0.0076	0.0379
141	-0.1051	0.1051	0.0468
142	0.3667	0.3667	**0.1968**
143	-0.0156	0.0156	**0.1066**
144	-0.0830	0.0830	**0.1042**
⋮	⋮	⋮	⋮
149	0.3344	0.3344	0.0532
150	-0.0300	0.0300	0.0234

Lampiran 3

Output Program SAS 9.1 Estimasi-S

Data Set	WORK.MAHASISWA
Dependent Variable	y
Number of Independent Variables	6
Number of Observations	150
Method	S Estimation

Number of Observations Read	150
Number of Observations Used	150

Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	1.1744	0.6025	-0.0065	2.3553	3.80	0.0513
X1	1	0.0272	0.0319	-0.0353	0.0897	0.73	0.3934
X2	1	0.0988	0.0361	0.0281	0.1695	7.51	0.0062
X3	1	0.0475	0.0299	-0.0111	0.1062	2.53	0.1120
X4	1	-0.0564	0.0363	-0.1276	0.0147	2.42	0.1201
X5	1	0.1152	0.0462	0.0247	0.2057	6.22	0.0126
X6	1	0.0419	0.0340	-0.0246	0.1084	1.52	0.2172
Scale	0	0.2827					

Lampiran 4

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Pertama

i	$\widehat{Y}$	$e_i^{(1)} = Y_i - \widehat{Y}_i^{(1)}$	$e_i^* = \frac{e_i^{(1)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(1)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.4973	-2.1973	-7.7724	7.7724	0	0
2	3.5634	-0.1534	-0.5426	0.5426	-0.5281	0.9734
3	3.4888	-0.1888	-0.6679	0.6679	-0.6410	0.9598
4	3.2929	0.2571	0.9093	0.9093	0.8421	0.9261
5	3.4230	0.2471	0.8739	0.8739	0.8141	0.9316
6	3.1754	-1.7554	-6.2095	6.2095	0	0
7	3.2968	-0.2668	-0.9438	0.9438	-0.8688	0.9205
8	3.1910	0.3090	1.0929	1.0929	0.9772	0.8941
9	3.3824	-0.2224	-0.7868	0.7868	-0.7430	0.9444
10	3.4315	0.1685	0.5961	0.5961	0.5769	0.9679
11	3.4441	-0.2641	-0.9343	0.9343	-0.8615	0.9220
12	3.5620	0.2880	1.0187	1.0187	0.9246	0.9077
13	3.3239	-0.3239	-1.1458	1.1458	-1.0128	0.8839
14	3.5396	0.0004	0.0015	0.0015	0.0015	1.0000
15	3.5902	0.0798	0.2823	0.2823	0.2803	0.9928
16	3.2911	0.2189	0.7745	0.7745	0.7327	0.9461
17	3.2995	-0.2995	-1.0593	1.0593	-0.9537	0.9004
18	3.4407	-0.3807	-1.3467	1.3467	-1.1333	0.8416
19	3.3333	-0.2033	-0.7190	0.7190	-0.6855	0.9535
20	3.4938	-0.2138	-0.7561	0.7561	-0.7173	0.9486
21	3.4259	0.0841	0.2974	0.2974	0.2950	0.9920
22	3.5777	-0.4177	-1.4774	1.4774	-1.1982	0.8110
23	3.4339	-0.1939	-0.6857	0.6857	-0.6567	0.9576
24	3.4908	-2.3408	-8.2802	8.2802	0	0
25	3.2251	0.1749	0.6187	0.6187	0.5973	0.9654
26	3.2997	-0.0997	-0.3526	0.3526	-0.3487	0.9887
27	3.1977	0.2323	0.8217	0.8217	0.7720	0.9394
28	3.4274	-0.2474	-0.8751	0.8751	-0.8151	0.9314
29	3.5006	-0.0705	-0.2496	0.2496	-0.2481	0.9943
30	3.3097	-0.6597	-2.3335	2.3335	-1.3193	0.5654
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5820	0.1780	0.6297	0.6297	0.6072	0.9642
149	3.1731	0.4570	1.6164	1.6164	1.2545	0.7761
150	3.4059	-0.1859	-0.6576	0.6576	-0.6319	0.9610

Lampiran 5

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Kedua

i	$\widehat{Y}$	$e_i^{(2)} = Y_i - \widehat{Y}_i^{(2)}$	$e_i^* = \frac{e_i^{(2)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(2)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5000	-2.2000	-7.7820	7.7820	0	0
2	3.5477	-0.1377	-0.4872	0.4872	-0.4767	0.9785
3	3.4718	-0.1718	-0.6078	0.6078	-0.5875	0.9666
4	3.2994	0.2506	0.8866	0.8866	0.8242	0.9297
5	3.4285	0.2415	0.8542	0.8542	0.7983	0.9346
6	3.2075	-1.7875	-6.3228	6.3228	0	0
7	3.3209	-0.2909	-1.0291	1.0291	-0.9322	0.9058
8	3.2132	0.2868	1.0143	1.0143	0.9215	0.9084
9	3.3947	-0.2347	-0.8301	0.8301	-0.7788	0.9382
10	3.4292	0.1708	0.6043	0.6043	0.5844	0.9670
11	3.4313	-0.2513	-0.8889	0.8889	-0.8260	0.9293
12	3.5462	0.3038	1.0746	1.0746	0.9645	0.8975
13	3.3384	-0.3384	-1.1969	1.1969	-1.0458	0.8737
14	3.5326	0.0074	0.0262	0.0262	0.0262	0.9999
15	3.5732	0.0968	0.3424	0.3424	0.3387	0.9893
16	3.2884	0.2216	0.7839	0.7839	0.7407	0.9448
17	3.3104	-0.3104	-1.0981	1.0981	-0.9807	0.8931
18	3.4153	-0.3553	-1.2569	1.2569	-1.0825	0.8612
19	3.3487	-0.2187	-0.7737	0.7737	-0.7321	0.9462
20	3.4886	-0.2086	-0.7379	0.7379	-0.7017	0.9510
21	3.4314	0.0786	0.2779	0.2779	0.2760	0.9930
22	3.5791	-0.4191	-1.4826	1.4826	-1.2005	0.8098
23	3.4362	-0.1962	-0.6939	0.6939	-0.6638	0.9566
24	3.4826	-2.3326	-8.2510	8.2510	0	0
25	3.2332	0.1668	0.5900	0.5900	0.5715	0.9685
26	3.3161	-0.1161	-0.4108	0.4108	-0.4045	0.9847
27	3.1914	0.2386	0.8439	0.8439	0.7900	0.9362
28	3.4179	-0.2379	-0.8414	0.8414	-0.7880	0.9365
29	3.4913	-0.0613	-0.2167	0.2167	-0.2157	0.9957
30	3.3106	-0.6606	-2.3369	2.3369	-1.3187	0.5643
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5611	0.1989	0.7035	0.7035	0.6721	0.9554
149	3.1900	0.4400	1.5563	1.5563	1.2318	0.7915
150	3.4164	-0.1964	-0.6948	0.6948	-0.6646	0.9565

Lampiran 6

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Ketiga

i	$\widehat{Y}$	$e_i^{(3)} = Y_i - \widehat{Y}_i^{(3)}$	$e_i^* = \frac{e_i^{(3)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(3)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5010	-2.2010	-7.7856	7.7856	0	0
2	3.5458	-0.1358	-0.4804	0.4804	-0.4703	0.9791
3	3.4699	-0.1699	-0.6011	0.6011	-0.5814	0.9674
4	3.2990	0.2510	0.8878	0.8878	0.8252	0.9295
5	3.4312	0.2388	0.8447	0.8447	0.7907	0.9360
6	3.2120	-1.7920	-6.3388	6.3388	0	0
7	3.3262	-0.2962	-1.0477	1.0477	-0.9455	0.9025
8	3.2166	0.2834	1.0024	1.0024	0.9128	0.9105
9	3.3969	-0.2369	-0.8379	0.8379	-0.7851	0.9371
10	3.4296	0.1704	0.6028	0.6028	0.5830	0.9672
11	3.4305	-0.2505	-0.8862	0.8862	-0.8239	0.9297
12	3.5448	0.3052	1.0795	1.0795	0.9679	0.8966
13	3.3407	-0.3407	-1.2053	1.2053	-1.0510	0.8720
14	3.5315	0.0085	0.0302	0.0302	0.0301	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2880	0.2220	0.7854	0.7854	0.7419	0.9446
17	3.3126	-0.3126	-1.1059	1.1059	-0.9861	0.8917
18	3.4127	-0.3527	-1.2477	1.2477	-1.0770	0.8632
19	3.3516	-0.2216	-0.7840	0.7840	-0.7407	0.9448
20	3.4877	-0.2077	-0.7346	0.7346	-0.6989	0.9514
21	3.4322	0.0778	0.2752	0.2752	0.2733	0.9931
22	3.5804	-0.4204	-1.4870	1.4870	-1.2025	0.8087
23	3.4361	-0.1961	-0.6936	0.6936	-0.6636	0.9566
24	3.4818	-2.3318	-8.2484	8.2484	0	0
25	3.2334	0.1666	0.5893	0.5893	0.5708	0.9686
26	3.3181	-0.1181	-0.4176	0.4176	-0.4110	0.9842
27	3.1911	0.2389	0.8452	0.8452	0.7911	0.9360
28	3.4177	-0.2377	-0.8409	0.8409	-0.7876	0.9366
29	3.4903	-0.0603	-0.2133	0.2133	-0.2124	0.9959
30	3.3109	-0.6609	-2.3379	2.3379	-1.3185	0.5640
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5589	0.2011	0.7112	0.7112	0.6788	0.9544
149	3.1920	0.4380	1.5494	1.5494	1.2290	0.7932
150	3.4182	-0.1982	-0.7009	0.7009	-0.6699	0.9557

Lampiran 7

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Keempat

i	$\widehat{Y}$	$e_i^{(4)} = Y_i - \widehat{Y}_i^{(4)}$	$e_i^* = \frac{e_i^{(4)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(4)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5012	-2.2012	-7.7865	7.7865	0	0
2	3.5455	-0.1355	-0.4794	0.4794	-0.4694	0.9792
3	3.4697	-0.1697	-0.6002	0.6002	-0.5806	0.9674
4	3.2988	0.2512	0.8887	0.8887	0.8259	0.9293
5	3.4320	0.2380	0.8420	0.8420	0.7885	0.9364
6	3.2128	-1.7928	-6.3415	6.3415	0	0
7	3.3274	-0.2974	-1.0519	1.0519	-0.9485	0.9017
8	3.2172	0.2828	1.0003	1.0003	0.9111	0.9109
9	3.3973	-0.2373	-0.8394	0.8394	-0.7864	0.9368
10	3.4298	0.1702	0.6021	0.6021	0.5824	0.9672
11	3.4306	-0.2506	-0.8864	0.8864	-0.8240	0.9297
12	3.5447	0.3053	1.0798	1.0798	0.9682	0.8966
13	3.3412	-0.3412	-1.2069	1.2069	-1.0520	0.8717
14	3.5313	0.0087	0.0309	0.0309	0.0309	0.9999
15	3.5721	0.0979	0.3465	0.3465	0.3427	0.9891
16	3.2879	0.2221	0.7856	0.7856	0.7421	0.9446
17	3.3131	-0.3131	-1.1076	1.1076	-0.9873	0.8913
18	3.4124	-0.3524	-1.2467	1.2467	-1.0764	0.8634
19	3.3522	-0.2222	-0.7860	0.7860	-0.7424	0.9445
20	3.4875	-0.2075	-0.7340	0.7340	-0.6984	0.9515
21	3.4323	0.0777	0.2747	0.2747	0.2728	0.9931
22	3.5808	-0.4208	-1.4884	1.4884	-1.2031	0.8083
23	3.4360	-0.1960	-0.6933	0.6933	-0.6633	0.9567
24	3.4817	-2.3317	-8.2481	8.2481	0	0
25	3.2333	0.1667	0.5896	0.5896	0.5711	0.9686
26	3.3183	-0.1183	-0.4186	0.4186	-0.4119	0.9841
27	3.1910	0.2390	0.8453	0.8453	0.7912	0.9359
28	3.4179	-0.2379	-0.8415	0.8415	-0.7881	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2121	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7121	0.7121	0.6796	0.9543
149	3.1922	0.4378	1.5486	1.5486	1.2287	0.7934
150	3.4185	-0.1985	-0.7021	0.7021	-0.6709	0.9556

Lampiran 8

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Kelima

i	$\widehat{Y}$	$e_i^{(1)} = Y_i - \widehat{Y}_i^{(5)}$	$e_i^* = \frac{e_i^{(5)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(5)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5013	-2.2013	-7.7867	7.7867	0	0
2	3.5455	-0.1355	-0.4793	0.4793	-0.4693	0.9792
3	3.4696	-0.1696	-0.6000	0.6000	-0.5805	0.9675
4	3.2987	0.2513	0.8890	0.8890	0.8262	0.9293
5	3.4321	0.2379	0.8414	0.8414	0.7880	0.9365
6	3.2129	-1.7929	-6.3421	6.3421	0	0
7	3.3276	-0.2976	-1.0528	1.0528	-0.9492	0.9016
8	3.2174	0.2826	0.9998	0.9998	0.9108	0.9110
9	3.3974	-0.2374	-0.8398	0.8398	-0.7867	0.9368
10	3.4298	0.1702	0.6020	0.6020	0.5823	0.9673
11	3.4306	-0.2506	-0.8865	0.8865	-0.8241	0.9297
12	3.5447	0.3053	1.0799	1.0799	0.9682	0.8966
13	3.3413	-0.3413	-1.2072	1.2072	-1.0522	0.8716
14	3.5312	0.0088	0.0310	0.0310	0.0310	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2879	0.2221	0.7857	0.7857	0.7421	0.9445
17	3.3132	-0.3132	-1.1080	1.1080	-0.9875	0.8913
18	3.4124	-0.3524	-1.2465	1.2465	-1.0763	0.8634
19	3.3523	-0.2223	-0.7865	0.7865	-0.7428	0.9444
20	3.4875	-0.2075	-0.7339	0.7339	-0.6983	0.9515
21	3.4324	0.0776	0.2746	0.2746	0.2727	0.9931
22	3.5809	-0.4209	-1.4888	1.4888	-1.2033	0.8082
23	3.4360	-0.1960	-0.6932	0.6932	-0.6632	0.9567
24	3.4817	-2.3317	-8.2480	8.2480	0	0
25	3.2333	0.1667	0.5897	0.5897	0.5711	0.9686
26	3.3184	-0.1184	-0.4187	0.4187	-0.4120	0.9841
27	3.1910	0.2390	0.8453	0.8453	0.7912	0.9359
28	3.4180	-0.2380	-0.8417	0.8417	-0.7883	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2120	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7122	0.7122	0.6797	0.9543
149	3.1922	0.4378	1.5485	1.5485	1.2286	0.7934
150	3.4185	-0.1985	-0.7023	0.7023	-0.6711	0.9556

Lampiran 9

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Keenam

i	$\widehat{Y}$	$e_i^{(6)} = Y_i - \widehat{Y}_i^{(6)}$	$e_i^* = \frac{e_i^{(6)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(6)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5013	-2.2013	-7.7868	7.7868	0	0
2	3.5455	-0.1355	-0.4792	0.4792	-0.4693	0.9792
3	3.4696	-0.1696	-0.6000	0.6000	-0.5805	0.9675
4	3.2987	0.2513	0.8891	0.8891	0.8262	0.9293
5	3.4322	0.2378	0.8412	0.8412	0.7879	0.9366
6	3.2129	-1.7929	-6.3422	6.3422	0	0
7	3.3277	-0.2977	-1.0530	1.0530	-0.9493	0.9015
8	3.2174	0.2826	0.9997	0.9997	0.9107	0.9110
9	3.3974	-0.2374	-0.8399	0.8399	-0.7867	0.9368
10	3.4298	0.1702	0.6019	0.6019	0.5822	0.9673
11	3.4306	-0.2506	-0.8865	0.8865	-0.8241	0.9297
12	3.5447	0.3053	1.0799	1.0799	0.9682	0.8966
13	3.3413	-0.3413	-1.2073	1.2073	-1.0523	0.8716
14	3.5312	0.0088	0.0311	0.0311	0.0311	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2879	0.2221	0.7857	0.7857	0.7421	0.9445
17	3.3132	-0.3132	-1.1081	1.1081	-0.9876	0.8913
18	3.4124	-0.3524	-1.2465	1.2465	-1.0763	0.8634
19	3.3524	-0.2224	-0.7866	0.7866	-0.7429	0.9444
20	3.4875	-0.2075	-0.7339	0.7339	-0.6983	0.9515
21	3.4324	0.0776	0.2746	0.2746	0.2727	0.9931
22	3.5809	-0.4209	-1.4889	1.4889	-1.2033	0.8082
23	3.4360	-0.1960	-0.6932	0.6932	-0.6632	0.9567
24	3.4817	-2.3317	-8.2480	8.2480	0	0
25	3.2333	0.1667	0.5897	0.5897	0.5712	0.9686
26	3.3184	-0.1184	-0.4187	0.4187	-0.4121	0.9841
27	3.1910	0.2390	0.8454	0.8454	0.7912	0.9359
28	3.4180	-0.2380	-0.8418	0.8418	-0.7883	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2120	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7122	0.7122	0.6797	0.9543
149	3.1922	0.4378	1.5485	1.5485	1.2286	0.7934
150	3.4185	-0.1985	-0.7023	0.7023	-0.6711	0.9556

Lampiran 10

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Ketujuh

i	$\widehat{Y}$	$e_i^{(7)} = Y_i - \widehat{Y}_i^{(7)}$	$e_i^* = \frac{e_i^{(7)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(7)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5013	-2.2013	-7.7868	7.7868	0	0
2	3.5455	-0.1355	-0.4792	0.4792	-0.4692	0.9792
3	3.4696	-0.1696	-0.6000	0.6000	-0.5805	0.9675
4	3.2986	0.2514	0.8891	0.8891	0.8262	0.9293
5	3.4322	0.2378	0.8412	0.8412	0.7878	0.9366
6	3.2129	-1.7929	-6.3422	6.3422	0	0
7	3.3277	-0.2977	-1.0531	1.0531	-0.9494	0.9015
8	3.2174	0.2826	0.9997	0.9997	0.9107	0.9110
9	3.3974	-0.2374	-0.8399	0.8399	-0.7868	0.9368
10	3.4298	0.1702	0.6019	0.6019	0.5822	0.9673
11	3.4306	-0.2506	-0.8865	0.8865	-0.8241	0.9297
12	3.5447	0.3053	1.0799	1.0799	0.9682	0.8966
13	3.3413	-0.3413	-1.2073	1.2073	-1.0523	0.8716
14	3.5312	0.0088	0.0311	0.0311	0.0311	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2879	0.2221	0.7857	0.7857	0.7421	0.9445
17	3.3133	-0.3133	-1.1081	1.1081	-0.9876	0.8913
18	3.4124	-0.3524	-1.2465	1.2465	-1.0763	0.8634
19	3.3524	-0.2224	-0.7866	0.7866	-0.7429	0.9444
20	3.4875	-0.2075	-0.7339	0.7339	-0.6983	0.9515
21	3.4324	0.0776	0.2746	0.2746	0.2727	0.9931
22	3.5809	-0.4209	-1.4889	1.4889	-1.2033	0.8082
23	3.4360	-0.1960	-0.6932	0.6932	-0.6631	0.9567
24	3.4817	-2.3317	-8.2480	8.2480	0	0
25	3.2333	0.1667	0.5897	0.5897	0.5712	0.9686
26	3.3184	-0.1184	-0.4187	0.4187	-0.4121	0.9841
27	3.1910	0.2390	0.8454	0.8454	0.7912	0.9359
28	3.4180	-0.2380	-0.8418	0.8418	-0.7883	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2120	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7122	0.7122	0.6797	0.9543
149	3.1922	0.4378	1.5485	1.5485	1.2286	0.7935
150	3.4186	-0.1986	-0.7023	0.7023	-0.6711	0.9556

Lampiran 11

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Kedelapan

i	$\widehat{Y}$	$e_i^{(8)} = Y_i - \widehat{Y}_i^{(8)}$	$e_i^* = \frac{e_i^{(8)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(8)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5013	-2.2013	-7.7868	7.7868	0	0
2	3.5455	-0.1355	-0.4792	0.4792	-0.4692	0.9792
3	3.4696	-0.1696	-0.6000	0.6000	-0.5805	0.9675
4	3.2986	0.2514	0.8891	0.8891	0.8262	0.9293
5	3.4322	0.2378	0.8412	0.8412	0.7878	0.9366
6	3.2130	-1.7930	-6.3422	6.3422	0	0
7	3.3277	-0.2977	-1.0531	1.0531	-0.9494	0.9015
8	3.2174	0.2826	0.9997	0.9997	0.9107	0.9110
9	3.3974	-0.2374	-0.8399	0.8399	-0.7868	0.9368
10	3.4298	0.1702	0.6019	0.6019	0.5822	0.9673
11	3.4306	-0.2506	-0.8865	0.8865	-0.8242	0.9297
12	3.5447	0.3053	1.0799	1.0799	0.9682	0.8966
13	3.3413	-0.3413	-1.2073	1.2073	-1.0523	0.8716
14	3.5312	0.0088	0.0311	0.0311	0.0311	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2879	0.2221	0.7857	0.7857	0.7421	0.9445
17	3.3133	-0.3133	-1.1081	1.1081	-0.9876	0.8912
18	3.4124	-0.3524	-1.2465	1.2465	-1.0763	0.8634
19	3.3524	-0.2224	-0.7866	0.7866	-0.7429	0.9444
20	3.4875	-0.2075	-0.7339	0.7339	-0.6983	0.9515
21	3.4324	0.0776	0.2746	0.2746	0.2727	0.9931
22	3.5809	-0.4209	-1.4889	1.4889	-1.2033	0.8082
23	3.4360	-0.1960	-0.6932	0.6932	-0.6631	0.9567
24	3.4817	-2.3317	-8.2480	8.2480	0	0
25	3.2333	0.1667	0.5897	0.5897	0.5712	0.9686
26	3.3184	-0.1184	-0.4187	0.4187	-0.4121	0.9841
27	3.1910	0.2390	0.8454	0.8454	0.7912	0.9359
28	3.4180	-0.2380	-0.8418	0.8418	-0.7883	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2120	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7122	0.7122	0.6797	0.9543
149	3.1922	0.4378	1.5485	1.5485	1.2286	0.7935
150	3.4186	-0.1986	-0.7023	0.7023	-0.6711	0.9556

Lampiran 12

Hasil Perhitungan Nilai Estimasi, Nilai Residual dan Nilai Pembobot untuk Iterasi Kesembilan

i	$\widehat{Y}$	$e_i^{(9)} = Y_i - \widehat{Y}_i^{(9)}$	$e_i^* = \frac{e_i^{(9)}}{\widehat{\sigma}_s}$	$\lvert e_i^* \rvert$	$\psi(e_i^*)$	$w_i^{(9)} = \frac{\psi(e_i^*)}{e_i^*}$
1	3.5013	-2.2013	-7.7868	7.7868	0	0
2	3.5455	-0.1355	-0.4792	0.4792	-0.4692	0.9792
3	3.4696	-0.1696	-0.6000	0.6000	-0.5805	0.9675
4	3.2986	0.2514	0.8891	0.8891	0.8262	0.9293
5	3.4322	0.2378	0.8412	0.8412	0.7878	0.9366
6	3.2130	-1.7930	-6.3422	6.3422	0	0
7	3.3277	-0.2977	-1.0531	1.0531	-0.9494	0.9015
8	3.2174	0.2826	0.9997	0.9997	0.9107	0.9110
9	3.3974	-0.2374	-0.8399	0.8399	-0.7868	0.9368
10	3.4298	0.1702	0.6019	0.6019	0.5822	0.9673
11	3.4306	-0.2506	-0.8865	0.8865	-0.8242	0.9297
12	3.5447	0.3053	1.0799	1.0799	0.9682	0.8966
13	3.3413	-0.3413	-1.2073	1.2073	-1.0523	0.8716
14	3.5312	0.0088	0.0311	0.0311	0.0311	0.9999
15	3.5721	0.0979	0.3464	0.3464	0.3426	0.9891
16	3.2879	0.2221	0.7857	0.7857	0.7421	0.9445
17	3.3133	-0.3133	-1.1081	1.1081	-0.9876	0.8912
18	3.4124	-0.3524	-1.2465	1.2465	-1.0763	0.8634
19	3.3524	-0.2224	-0.7866	0.7866	-0.7429	0.9444
20	3.4875	-0.2075	-0.7339	0.7339	-0.6983	0.9515
21	3.4324	0.0776	0.2746	0.2746	0.2727	0.9931
22	3.5809	-0.4209	-1.4889	1.4889	-1.2033	0.8082
23	3.4360	-0.1960	-0.6932	0.6932	-0.6631	0.9567
24	3.4817	-2.3317	-8.2480	8.2480	0	0
25	3.2333	0.1667	0.5897	0.5897	0.5712	0.9686
26	3.3184	-0.1184	-0.4187	0.4187	-0.4121	0.9841
27	3.1910	0.2390	0.8454	0.8454	0.7912	0.9359
28	3.4180	-0.2380	-0.8418	0.8418	-0.7883	0.9365
29	3.4902	-0.0602	-0.2129	0.2129	-0.2120	0.9959
30	3.3110	-0.6610	-2.3381	2.3381	-1.3185	0.5639
⋮	⋮	⋮	⋮	⋮	⋮	⋮
148	3.5587	0.2013	0.7122	0.7122	0.6797	0.9543
149	3.1922	0.4378	1.5485	1.5485	1.2286	0.7935
150	3.4186	-0.1986	-0.7023	0.7023	-0.6711	0.9556

Lampiran 13

Output Regresi *Robust* Estimasi MM

Data
The ROBUSTREG Procedure
Model Information

Data Set	IN.ABC
Dependent Variable	Y
Number of Independent Variables	6
Number of Observations	150
Method	MM Estimation

Number of Observations Read	150
Number of Observations Used	150

Data
The ROBUSTREG Procedure
Diagnostics Summary

Observation Type	Proportion	Cutoff
Outlier	0.0200	3.0000

Goodness-of-Fit

Statistic	Value
R-Square	0.1429
AICR	106.7603
BICR	134.2688
Deviance	9.5677

Lampiran 14

Output Hasil Estimasi Menggunakan OLS

Regression

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	X6, X4, X5, X2, X1, X3[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.275[a]	.075	.037	.40058

a. Predictors: (Constant), X6, X4, X5, X2, X1, X3

b. Dependent Variable: Y

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.871	6	.312	1.943	.078[a]
	Residual	22.947	143	.160		
	Total	24.818	149			

a. Predictors: (Constant), X6, X4, X5, X2, X1, X3

b. Dependent Variable: Y

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.695	.757		2.239	.027
	X1	-.009	.041	-.019	-.218	.828
	X2	.096	.046	.170	2.062	.041
	X3	.015	.038	.034	.390	.697
	X4	-.047	.046	-.089	-1.038	.301
	X5	.109	.059	.150	1.839	.068
	X6	.040	.042	.081	.960	.339

a. Dependent Variable: Y