

Regression

Tabel 18. Analisis regresi yang telah di transformasi dalam bentuk Ln

Descriptive Statistics			
	Mean	Std. Deviation	N
LnY	1.291351E0	.4534203	77
LnX1	8.402335E0	.1018343	77
LnX2	-.223221	9.1643860	77
LnX3	-1.907052E0	9.2016448	77
LnX4	1.287415E0	9.3968876	77
LnX5	-1.926010E0	8.9318934	77
LnX6	-.716244	9.1244040	77
LnX7	1.321523E0	.3710887	77
LnX8	1.455788E1	.6123338	77
LnX9	1.898442E0	2.2708403	77

Variables Entered/Removed ^b			
Model	Variables Entered	Variables Removed	Method
1	LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8 ^a		. Enter

a. All requested variables entered.

b. Dependent Variable: LnY

Model Summary ^b					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.756 ^a	.571	.514	.3162503	1.910

a. Predictors: (Constant), LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8

b. Dependent Variable: LnY

Correlations

		LnY	LnX1	LnX2	LnX3	LnX4	LnX5	LnX6	LnX7	LnX8	LnX9
Pearson Correlation	LnY	1.000	-.448	.155	.401	-.051	.247	-.090	.397	.427	.188
	LnX1	-.448	1.000	.106	.062	.457	-.055	.208	-.241	.240	.077
	LnX2	.155	.106	1.000	.065	.144	.195	-.092	.110	.246	.225
	LnX3	.401	.062	.065	1.000	.232	.267	.053	.030	.690	.196
	LnX4	-.051	.457	.144	.232	1.000	.092	.101	.073	.525	.113
	LnX5	.247	-.055	.195	.267	.092	1.000	-.238	-.083	.367	.191
	LnX6	-.090	.208	-.092	.053	.101	-.238	1.000	.014	.084	-.063
	LnX7	.397	-.241	.110	.030	.073	-.083	.014	1.000	.133	.069
	LnX8	.427	.240	.246	.690	.525	.367	.084	.133	1.000	.281
	LnX9	.188	.077	.225	.196	.113	.191	-.063	.069	.281	1.000
Sig. (1-tailed)	LnY	.	.000	.089	.000	.331	.015	.219	.000	.000	.051
	LnX1	.000	.	.180	.296	.000	.317	.035	.017	.018	.252
	LnX2	.089	.180	.	.288	.105	.044	.213	.170	.015	.025
	LnX3	.000	.296	.288	.	.021	.009	.324	.398	.000	.043
	LnX4	.331	.000	.105	.021	.	.213	.192	.265	.000	.164
	LnX5	.015	.317	.044	.009	.213	.	.018	.238	.001	.048
	LnX6	.219	.035	.213	.324	.192	.018	.	.453	.235	.295
	LnX7	.000	.017	.170	.398	.265	.238	.453	.	.125	.276
	LnX8	.000	.018	.015	.000	.000	.001	.235	.125	.	.007
	LnX9	.051	.252	.025	.043	.164	.048	.295	.276	.007	.
N	LnY	77	77	77	77	77	77	77	77	77	77
	LnX1	77	77	77	77	77	77	77	77	77	77
	LnX2	77	77	77	77	77	77	77	77	77	77
	LnX3	77	77	77	77	77	77	77	77	77	77
	LnX4	77	77	77	77	77	77	77	77	77	77
	LnX5	77	77	77	77	77	77	77	77	77	77
	LnX6	77	77	77	77	77	77	77	77	77	77
	LnX7	77	77	77	77	77	77	77	77	77	77
	LnX8	77	77	77	77	77	77	77	77	77	77
	LnX9	77	77	77	77	77	77	77	77	77	77

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	8.924	9	.992	9.914	.000 ^a
	Residual	6.701	67	.100		
	Total	15.625	76			

a. Predictors: (Constant), LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8

b. Dependent Variable: LnY

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
	B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1 (Constant)	12.794	3.880		3.297	.002					
LnX1	-2.008	.439	-.451	-4.580	.000	-.448	-.488	-.366	.660	1.515
LnX2	.003	.004	.059	.680	.499	.155	.083	.054	.863	1.158
LnX3	.006	.006	.115	.999	.321	.401	.121	.080	.482	2.076
LnX4	-.007	.005	-.147	-1.400	.166	-.051	-.169	-.112	.580	1.724
LnX5	.001	.005	.029	.307	.760	.247	.037	.025	.739	1.353
LnX6	.000	.004	-.014	-.162	.872	-.090	-.020	-.013	.874	1.144
LnX7	.277	.107	.226	2.576	.012	.397	.300	.206	.829	1.206
LnX8	.344	.106	.465	3.259	.002	.427	.370	.261	.315	3.179
LnX9	.010	.017	.051	.596	.553	.188	.073	.048	.882	1.134

a. Dependent Variable: LnY

Coefficient Correlations^a

Model			LnX9	LnX6	LnX7	LnX4	LnX2	LnX3	LnX5	LnX1	LnX8
1	Correlations	LnX9	1.000	.058	-.050	.048	-.146	-.027	-.070	-.057	-.122
		LnX6	.058	1.000	-.029	.036	.091	-.007	.242	-.165	-.111
		LnX7	-.050	-.029	1.000	-.107	-.105	.105	.196	.350	-.178
		LnX4	.048	.036	-.107	1.000	.025	.155	.049	-.383	-.426
		LnX2	-.146	.091	-.105	.025	1.000	.134	-.103	-.092	-.165
		LnX3	-.027	-.007	.105	.155	.134	1.000	.017	.096	-.661
		LnX5	-.070	.242	.196	.049	-.103	.017	1.000	.142	-.293
		LnX1	-.057	-.165	.350	-.383	-.092	.096	.142	1.000	-.103
		LnX8	-.122	-.111	-.178	-.426	-.165	-.661	-.293	-.103	1.000
	Covariances	LnX9	.000	4.199E-6	-9.174E-5	4.143E-6	-1.058E-5	-2.595E-6	-5.623E-6	.000	.000
		LnX6	4.199E-6	1.809E-5	-1.343E-5	7.770E-7	1.642E-6	-1.746E-7	4.862E-6	.000	-5.009E-5
		LnX7	-9.174E-5	-1.343E-5	.012	-5.819E-5	-4.807E-5	6.380E-5	9.965E-5	.016	-.002
		LnX4	4.143E-6	7.770E-7	-5.819E-5	2.569E-5	5.421E-7	4.463E-6	1.167E-6	.000	.000
		LnX2	-1.058E-5	1.642E-6	-4.807E-5	5.421E-7	1.815E-5	3.252E-6	-2.079E-6	.000	-7.420E-5
		LnX3	-2.595E-6	-1.746E-7	6.380E-5	4.463E-6	3.252E-6	3.227E-5	4.658E-7	.000	.000
		LnX5	-5.623E-6	4.862E-6	9.965E-5	1.167E-6	-2.079E-6	4.658E-7	2.233E-5	.000	.000
		LnX1	.000	.000	.016	.000	.000	.000	.000	.192	-.005
		LnX8	.000	-5.009E-5	-.002	.000	-7.420E-5	.000	.000	-.005	.011

a. Dependent Variable: LnY

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions									
				(Constant)	LnX1	LnX2	LnX3	LnX4	LnX5	LnX6	LnX7	LnX8	LnX9
1	1	4.548	1.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
	2	1.559	1.708	.00	.00	.11	.07	.05	.14	.02	.00	.00	.02
	3	1.188	1.957	.00	.00	.01	.05	.13	.04	.39	.00	.00	.00
	4	.901	2.247	.00	.00	.61	.12	.01	.06	.02	.00	.00	.00
	5	.734	2.489	.00	.00	.08	.05	.43	.02	.27	.00	.00	.03
	6	.581	2.798	.00	.00	.04	.23	.01	.61	.24	.00	.00	.00
	7	.434	3.235	.00	.00	.09	.05	.00	.02	.00	.00	.00	.91
	8	.053	9.227	.00	.00	.01	.00	.00	.01	.00	.85	.00	.00
	9	.000	110.290	.03	.05	.02	.44	.14	.09	.01	.04	.99	.01
	10	4.719E-5	310.457	.97	.95	.02	.00	.23	.01	.04	.11	.01	.01

a. Dependent Variable: LnY

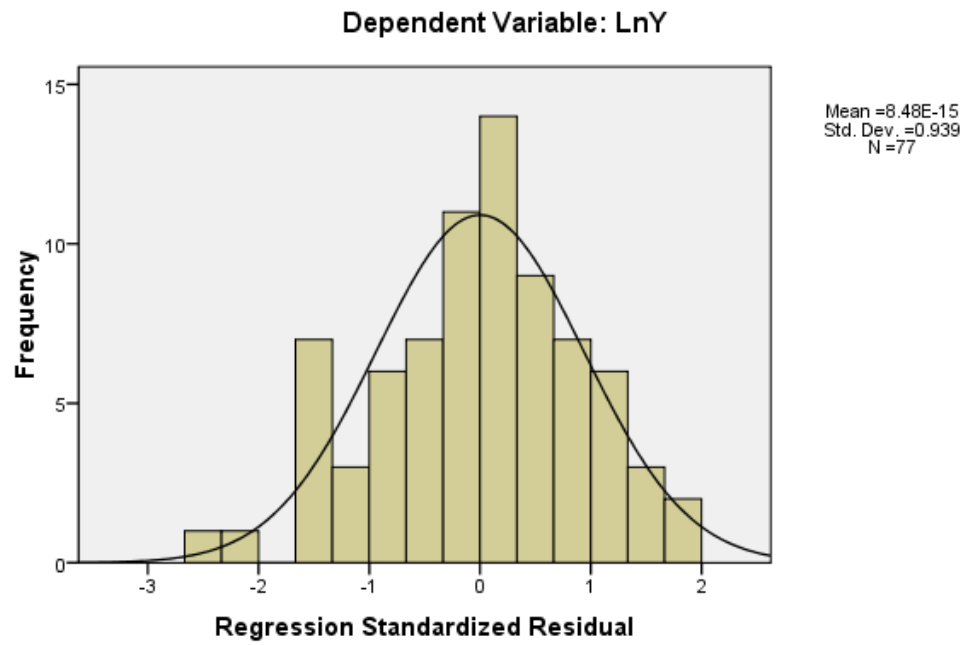
Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.581904	1.958394	1.291351E0	.3426652	77
Std. Predicted Value	-2.070	1.947	.000	1.000	77
Standard Error of Predicted Value	.086	.207	.112	.022	77
Adjusted Predicted Value	.555789	1.905419	1.290289E0	.3449813	77
Residual	-8.3719152E-1	.5747063	.0000000	.2969351	77
Std. Residual	-2.647	1.817	.000	.939	77
Stud. Residual	-2.810	1.914	.001	1.001	77
Deleted Residual	-9.4310385E-1	.6372473	.0010618	.3382907	77
Stud. Deleted Residual	-2.969	1.953	-.002	1.016	77
Mahal. Distance	4.690	31.448	8.883	4.682	77
Cook's Distance	.000	.100	.014	.018	77
Centered Leverage Value	.062	.414	.117	.062	77

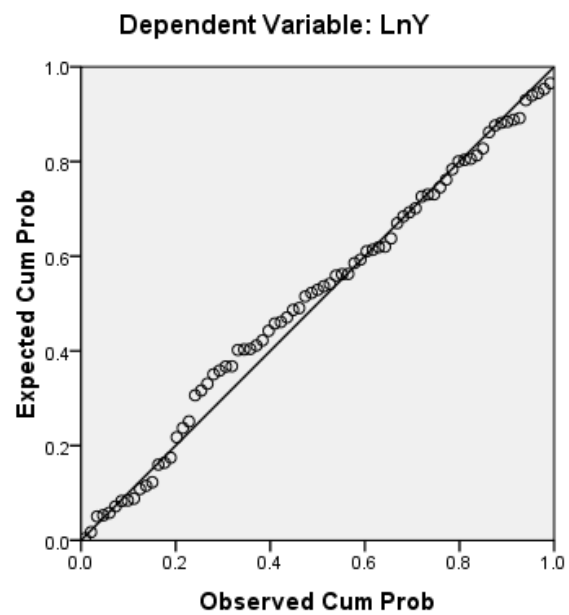
a. Dependent Variable: LnY

Charts

Histogram



Normal P-P Plot of Regression Standardized Residual



Regression

Tabel 19. Uji Heteroskedastisitas dengan Uji Glejser

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8 ^a		. Enter

a. All requested variables entered.

b. Dependent Variable: AbsUi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.335 ^a	.112	-.007	.18325

a. Predictors: (Constant), LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8

b. Dependent Variable: AbsUi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.284	9	.032	.938	.498 ^a
	Residual	2.250	67	.034		
	Total	2.534	76			

a. Predictors: (Constant), LnX9, LnX6, LnX7, LnX4, LnX2, LnX3, LnX5, LnX1, LnX8

b. Dependent Variable: AbsUi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.507	2.248		.226	.822
	LnX1	-.146	.254	-.081	-.575	.567
	LnX2	-9.191E-5	.002	-.005	-.037	.970
	LnX3	-.005	.003	-.274	-1.651	.104
	LnX4	-.003	.003	-.153	-1.009	.316
	LnX5	.004	.003	.220	1.643	.105
	LnX6	.001	.002	.033	.266	.791
	LnX7	.009	.062	.018	.146	.884
	LnX8	.064	.061	.215	1.046	.299
	LnX9	.006	.010	.072	.590	.557

a. Dependent Variable: AbsUi

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.0502	.3746	.2326	.06109	77
Std. Predicted Value	-2.986	2.325	.000	1.000	77
Standard Error of Predicted Value	.050	.120	.065	.013	77
Adjusted Predicted Value	.0566	.3969	.2334	.06583	77
Residual	-.28811	.50570	.00000	.17206	77
Std. Residual	-1.572	2.760	.000	.939	77
Stud. Residual	-1.727	2.929	-.002	1.000	77
Deleted Residual	-.34758	.56968	-.00079	.19546	77
Stud. Deleted Residual	-1.753	3.113	.003	1.016	77
Mahal. Distance	4.690	31.448	8.883	4.682	77
Cook's Distance	.000	.109	.014	.019	77
Centered Leverage Value	.062	.414	.117	.062	77

a. Dependent Variable: AbsUi

Charts

Scatterplot

Dependent Variable: AbsUi

