

LAMPIRAN 3

HASIL PERHITUNGAN ANALISIS REGRESI

LINEAR BERGANDA

LAMPIRAN 3a

REGRESI LINEAR BERGANDA UNTUK MODEL

$$**Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \beta_4 X_4 + \beta_5 X_5 + \beta_6 X_6**$$

	z	X1	x2	x3	x4	x5	X6
1	155	46	20	3	30	4	10
2	153	55	17	4	33	2	7
3	168	43	21	2	28	3	10
4	167	42	14	4	31	2	8
5	161	44	14	2	26	2	10
6	181	64	30	5	55	5	15
7	167	58	22	2	38	4	11
8	168	42	22	4	30	4	9
9	153	77	25	5	45	2	12
10	162	39	16	2	29	2	6
11	141	76	27	4	45	4	14
12	182	60	13	4	30	2	8
13	139	52	17	2	31	4	9
14	168	62	18	5	34	3	10
15	140	66	18	4	38	2	12
16	165	60	18	4	33	4	10
17	174	51	21	2	29	3	10
18	157	80	29	5	50	4	15
19	162	60	18	4	32	4	10
20	166	56	24	4	39	4	10
21	128	67	22	2	36	2	12
22	150	46	21	3	31	4	10
23	152	45	14	4	33	2	6
24	170	44	15	2	26	2	6
25	182	59	17	4	32	2	11
26	157	66	24	4	42	4	10
27	141	57	17	4	33	2	9
28	136	56	15	2	24	2	9
29	124	64	23	4	41	4	11
30	161	60	16	4	32	4	10
31	169	40	12	2	26	2	6
32	167	46	12	2	29	4	6
33	165	44	14	2	37	4	8
34	135	60	18	3	37	4	8
35	17	46	12	2	28	2	6
36	13	61	22	4	42	4	12

	y	res_1	res_2	res_3	res_4
1	141	-8.37400	-8.90870	1.46800	-3.64540
2	137	-8.37321	-6.35023	-1.15225	-5.00261
3	144	-.23425	6.23793	^5.0034	-3.54525
4	151	-5.62453	^5.91462	3.18953	-2.48515
5	147	-1.05198	-2.41880	3.32877	.23188
6	110	-14.5742	20.18904	-47.4687	-25.2902
7	153	20.56838	17.46837	5.18953	11.29644
8	153	-1.40740	-2.45073	4.49966	-.10659
9	102	-15.4445	5.13177	-36.1523	-18.1684
10	156	3.73210	-1.29473	11.63889	4.41932
11	102	-15.2197	-3.79791	-27.8738	-13.2038
12	157	10.85883	24.99630	-1.15856	-2.40882
13	108	-37.6871	-14.8989	-20.4940	-29.7790
14	146	2.77467	7.71238	-2.50034	-1.31894
15	107	-23.5945	-14.8244	-22.1839	-15.7259
16	146	1.30552	8.03894	-.43072	-2.96143
17	152	13.34417	19.33285	-.63958	3.08260
18	153	39.58749	10.30228	12.08826	34.11920
19	149	3.98188	5.12719	4.63889	1.26044
20	152	12.71757	6.95465	4.87940	9.02616
21	102	-17.6104	-15.0337	-18.9054	-9.63073
22	141	-7.03410	-13.6575	4.91736	.21508
23	146	-9.97427	-16.2977	8.53762	-1.32368
24	154	3.02915	11.12004	4.11991	-2.87320
25	161	21.86568	22.13023	2.84144	101.1929
26	140	8.25698	6.66886	-.91174	4.71726
27	138	^0.09194	-18.6541	8.12622	5.80937
28	144	3.21539	-15.0782	17.57558	11.21869
29	102	-31.4128	-29.4280	-16.1460	-15.7929
30	145	-2.05066	3.44826	1.32877	-3.88094
31	166	9.35296	5.51005	16.80979	6.42831
32	155	-3.30816	9.34243	7.18953	-8.26697
33	155	8.54052	2.71013	8.56928	7.10202
34	146	4.08727	-15.5351	20.26545	12.33309
35	162	9.94133	17.72093	7.98068	.53534
36	165	29.90778	-25.5992	41.33507	43.49546

$$1. Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \beta_4 X_4 + \beta_5 X_5 + \beta_6 X_6$$

Regression

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	X6, X5, X3, X1, X4, X2 ^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	Durbin-Watson
1	.603 ^a	.363	.231	17.156	1.875

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

b. Dependent Variable: Y

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4868.281	6	811.380	2.757	.030 ^a
	Residual	8535.719	29	294.335		
	Total	13404.000	35			

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

b. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	195.951	16.520		11.862	.000		
	X1	-.657	.491	-.364	-1.337	.192	.297	3.371
	X2	-1.016	1.433	-.247	-.709	.484	.182	5.505
	X3	3.455	3.600	.193	.960	.345	.545	1.834
	X4	-.324	.859	-.116	-.377	.709	.232	4.313
	X5	3.287	3.631	.170	.905	.373	.622	1.607
	X6	-.984	2.619	-.122	-.376	.710	.210	4.767

a. Dependent Variable: Y

Coefficient Correlations^a

Model		X6	X5	X3	X1	X4	X2	
1	Correlations	X6	1.000	-.005	.040	-.471	.034	-.579
		X5	-.005	1.000	-.037	.163	-.051	-.355
		X3	.040	-.037	1.000	-.274	-.308	.061
		X1	-.471	.163	-.274	1.000	-.343	.130
		X4	.034	-.051	-.308	-.343	1.000	-.465
		X2	-.579	-.355	.061	.130	-.465	1.000
	Covariances	X6	6.859	-4.45E-02	.379	-.606	7.656E-02	-2.172
		X5	-4.45E-02	13.181	-.489	.292	-.159	-1.846
		X3	.379	-.489	12.962	-.485	-.952	.315
		X1	-.606	.292	-.485	1.000	-.145	9.125E-02
		X4	7.656E-02	-.159	-.952	-.145	1.000	-.572
		X2	-2.172	-1.846	.315	9.125E-02	-.572	1.000

a. Dependent Variable: Y

Regression

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	Y ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of The Estimasi
		.288	.267	16.755

a. Predictors : (Constant), X1

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3858.697	1	3858.697	13.745	.001 ^a
	Residual	9545.303	34	280.744		
	Total	13404.000	35			

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
	195.012	14.746		13.225	.000
	-.969	.261	-.537	-3.707	.001