

Hasil Pengujian Variabel – Variabel Bebas Regresi Linier Berganda Beban GI Manisrejo

Tabel L.1.1. Variabel – Variabel Bebas Regresi Linier Berganda Beban GI Manisrejo

Model	Variables Entered	Variables Removed	Method
1	Jumlah_Pemakaian, Jumlah_Penduduk, Jumlah_Pelanggan, PDRB ^b		Enter

a. Dependent Variable: RES2

b. All requested variables entered.

Tabel L.1.2. Nilai R, R², dan Statistic Durbin-Watson

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.999 ^a	.999	.998	195.75922	2.537

a. Predictors: (Constant), Jumlah_Pemakaian, Jumlah_Penduduk, Jumlah_Pelanggan, PDRB

b. Dependent Variable: Beban_GI

Tabel L.1.3. Tabel ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	37051.423	4	9262.856	6.825	.045 ^b
	Residual	5428.450	4	1357.113		
	Total	42479.874	8			

- a. Dependent Variable: RES2
- b. Predictors: (Constant), Jumlah_Pemakaian, Jumlah_Penduduk, Jumlah_Pelanggan, PDRB

Tabel L.1.4. Nilai Koefisien Variabel-Variabel Bebas dan Konstanta

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	9691.306	5286.264		1.833	.141
	Jumlah_Penduduk	-.031	.027	-1.492	-1.131	.321
	PDRB	.253	.103	5.149	2.443	.071
	Jumlah_Pelanggan	-.089	.027	-3.073	-3.232	.032
	Jumlah_Pemakaian	-.002	.004	-.720	-.499	.644

- a. Dependent Variable: RES2

Tabel L.1.5. Nilai Tolerance dan VIF Variabel-Variabel Bebas

Model		Collinearity Statistics		
		B	Tolerance	VIF
1	(Constant)	-9543.685		
	Jumlah_Penduduk	.100	.018	54.467
	PDRB	-.096	.007	139.105
	Jumlah_Pelanggan	-.238	.035	28.294
	Jumlah_Pemakaian	.170	.015	65.222

- a. Dependent Variable: Beban_GI

Analisis PCA

Tabel L.2.1. Matriks Korelasi Variabel-variabel bebas

	Jumlah_Penduduk	PDRB	Jumlah_Pelanggan	Jumlah_Pemakaian
Correlation Jumlah_Penduduk	1.000	.983	.917	.926
PDRB	.983	1.000	.956	.972
Jumlah_Pelanggan	.917	.956	1.000	.982
Jumlah_Pemakaian	.926	.972	.982	1.000

Tabel L.2.2. Nilai KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.706
Bartlett's Test of Sphericity	Approx. Chi-Square	59.553
	df	6
	Sig.	.000

Tabel L.2.3. Anti-image Matrices

	Jumlah_Penduduk	PDRB	Jumlah_Pelanggan	Jumlah_Pemakaian
Anti-image Covariance Jumlah_Penduduk	.018	-.011	-.004	.010
PDRB	-.011	.007	.002	-.008
Jumlah_Pelanggan	-.004	.002	.035	-.016
Jumlah_Pemakaian	.010	-.008	-.016	.015
Anti-image Correlation Jumlah_Penduduk	.681 ^a	-.932	-.173	.589
PDRB	-.932	.666 ^a	.144	-.724
Jumlah_Pelanggan	-.173	.144	.832 ^a	-.705
Jumlah_Pemakaian	.589	-.724	-.705	.669 ^a

a. Measures of Sampling Adequacy(MSA)

Tabel L.2.4. Nilai Communalities

	Initial	Extraction
Jumlah_Penduduk	1.000	.946
PDRB	1.000	.989
Jumlah_Pelanggan	1.000	.960
Jumlah_Pemakaian	1.000	.973

Extraction Method: Principal Component Analysis.

Tabel L.2.5. Nilai Eigenvalues

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.868	96.706	96.706	3.868	96.706	96.706
2	.107	2.677	99.383			
3	.020	.507	99.890			
4	.004	.110	100.000			

Extraction Method: Principal Component Analysis.

Tabel L.2.6. Matriks Komponen

	Component
	1
Jumlah_Penduduk	.973
PDRB	.994
Jumlah_Pelanggan	.980
Jumlah_Pemakaian	.986

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Tabel L.2.7. Koefisien Komponen

	Component
	1
Jumlah_Penduduk	.251
PDRB	.257
Jumlah_Pelanggan	.253
Jumlah_Pemakaian	.255

Extraction Method: Principal Component Analysis.
Component Scores.



Pengujian Variabel Faktor

Tabel L.3.1. Variabel Bebas Regresi Linier Berganda Beban GI Manisrejo

Model	Variables Entered	Variables Removed	Method
1	F1 ^b		Enter

a. Dependent Variable: RES2

b. All requested variables entered.

Tabel L.3.2. Tabel ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	21567.414	1	21567.414	.791	.403 ^b
	Residual	190933.066	7	27276.152		
	Total	212500.479	8			

a. Dependent Variable: RES2

b. Predictors: (Constant), F1

Tabel L.3.3. Nilai R, R², dan Statistic Durbin-Watson

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.998 ^a	.996	.996	256.36962	1.645

a. Predictors: (Constant), F1

b. Dependent Variable: Beban_GI

Tabel L.3.4. Tabel ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	124322497.897	1	124322497.897	1891.545	.000 ^b
	Residual	460077.658	7	65725.380		
	Total	124782575.556	8			

a. Dependent Variable: Beban_GI

b. Predictors: (Constant), F1

Tabel L.3.5. Nilai Tolerance, dan VIF

Model		Unstandardized Coefficients		t	Sig.	Collinearity Statistics	
		B	Std. Error			Tolerance	VIF
1	(Constant)	-22811.270	1143.577	-19.947	.000		
	F1	.471	.011	43.492	.000	1.000	1.000

a. Dependent Variable: Beban_GI

Tabel L.3.6. Tabel Kolinieritas

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	F1
1	1	1.997	1.000	.00	.00
	2	.003	26.727	1.00	1.00

a. Dependent Variable: Beban_GI



Penentuan Persamaan Regresi Linier Berganda Beban GI Manisrejo

Tabel L.4.1. Variabel Bebas Regresi Linier Berganda Beban GI Manisrejo

Model	Variables Entered	Variables Removed	Method
1	F1 ^b	.	Enter

a. Dependent Variable: Beban_GI

b. All requested variables entered.

Tabel L.4.2. Nilai R, R², dan Statistic Durbin-Watson

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.998 ^a	.996	.996	256.36962	1.645

a. Predictors: (Constant), F1

b. Dependent Variable: Beban_GI

Tabel L.4.3. Tabel ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	124322497.897	1	124322497.897	1891.545	.000 ^b
	Residual	460077.658	7	65725.380		
	Total	124782575.556	8			

a. Dependent Variable: Beban_GI

b. Predictors: (Constant), F1

Tabel L.4.4. Nilai Koefisien Variabel Bebas, Konstanta Tolerance, dan VIF

Model		Unstandardized Coefficients		t	Sig.	Collinearity Statistics	
		B	Std. Error			Tolerance	VIF
1	(Constant)	-22811.270	1143.577	-19.947	.000		
	F1	.471	.011	43.492	.000	1.000	1.000

a. Dependent Variable: Beban_GI

Tabel L.4.5. Tabel Kolinieritas

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	F1
1	1	1.997	1.000	.00	.00
	2	.003	26.727	1.00	1.00

a. Dependent Variable: Beban_GI

Tabel L.4.6. Statistik Residual

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	22306.0430	32629.6504	26785.9778	3942.12027	9
Residual	-503.08536	324.15060	.00000	239.81182	9
Std. Predicted Value	-1.136	1.482	.000	1.000	9
Std. Residual	-1.962	1.264	.000	.935	9

a. Dependent Variable: Beban_GI

