

## Multikolinearitas PT. Telkom

### Correlations

		DER (X1)	EGR (X5)	TATO (X6)	DPR (X7)	PER (Y)
DER (X1)	Pearson Correlation	1	-,052	-,251	,048	-,111
	Sig. (2-tailed)	,	,781	,172	,799	,553
	N	31	31	31	31	31
EGR (X5)	Pearson Correlation	-,052	1	,227	,256	-,301
	Sig. (2-tailed)	,781	,	,219	,165	,100
	N	31	31	31	31	31
TATO (X6)	Pearson Correlation	-,251	,227	1	,185	,225
	Sig. (2-tailed)	,172	,219	,	,320	,223
	N	31	31	31	31	31
DPR (X7)	Pearson Correlation	,048	,256	,185	1	-,167
	Sig. (2-tailed)	,799	,165	,320	,	,370
	N	31	31	31	31	31
PER (Y)	Pearson Correlation	-,111	-,301	,225	-,167	1
	Sig. (2-tailed)	,553	,100	,223	,370	,
	N	31	31	31	31	31

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## Multikolinieritas\_PT Indosat Tbk

## Correlations

		DER (X1)	NPM (X2)	ROI (X3)	ROE (X4)	EGR (X5)	TATO (X6)	DPR (X7)
DER (X1)	Pearson Correlation	1	-,619**	-,377*	-,073	-,052	-,251	,048
	Sig. (2-tailed)	,	,000	,037	,696	,781	,172	,799
	N	31	31	31	31	31	31	31
NPM (X2)	Pearson Correlation	-,619**	1	,560**	,443*	,461**	-,136	,064
	Sig. (2-tailed)	,000	,	,001	,013	,009	,467	,733
	N	31	31	31	31	31	31	31
ROI (X3)	Pearson Correlation	-,377*	,560**	1	,909**	,862**	,370*	,392*
	Sig. (2-tailed)	,037	,001	,	,000	,000	,041	,029
	N	31	31	31	31	31	31	31
ROE (X4)	Pearson Correlation	-,073	,443*	,909**	1	,988**	,269	,379*
	Sig. (2-tailed)	,696	,013	,000	,	,000	,144	,036
	N	31	31	31	31	31	31	31
EGR (X5)	Pearson Correlation	-,052	,461**	,862**	,988**	1	,227	,256
	Sig. (2-tailed)	,781	,009	,000	,000	,	,219	,165
	N	31	31	31	31	31	31	31
TATO (X6)	Pearson Correlation	-,251	-,136	,370*	,269	,227	1	,185
	Sig. (2-tailed)	,172	,467	,041	,144	,219	,	,320
	N	31	31	31	31	31	31	31
DPR (X7)	Pearson Correlation	,048	,064	,392*	,379*	,256	,185	1
	Sig. (2-tailed)	,799	,733	,029	,036	,165	,320	,
	N	31	31	31	31	31	31	31

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

## Output Chow Test untuk PT. Telkom Tbk.

### Univariate Analysis of Variance

#### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

#### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2005.498 <sup>a</sup>	2	1002.749	9.214	.001
Intercept	1130.044	1	1130.044	10.384	.003
X1	183.801	1	183.801	1.689	.204
GR * X1	1328.545	1	1328.545	12.208	.002
Error	3047.187	28	108.828		
Total	14239.900	31			
Corrected Total	5052.685	30			

a. R Squared = .397 (Adjusted R Squared = .354)

### Univariate Analysis of Variance

#### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

#### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2079.465 <sup>a</sup>	2	1039.732	9.792	.001
Intercept	8155.216	1	8155.216	76.801	.000
X2	1096.993	1	1096.993	10.331	.003
GR * X2	1559.365	1	1559.365	14.685	.001
Error	2973.220	28	106.186		
Total	14239.900	31			
Corrected Total	5052.685	30			

a. R Squared = .412 (Adjusted R Squared = .370)

## Univariate Analysis of Variance

### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1721.502 <sup>a</sup>	2	860.751	7.235	.003
Intercept	1941.236	1	1941.236	16.317	.000
X6	1.539	1	1.539	.013	.910
GR * X6	918.846	1	918.846	7.723	.010
Error	3331.183	28	118.971		
Total	14239.900	31			
Corrected Total	5052.685	30			

a. R Squared = .341 (Adjusted R Squared = .294)

## Univariate Analysis of Variance

### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2176.078 <sup>a</sup>	2	1088.039	10.591	.000
Intercept	146.086	1	146.086	1.422	.243
X7	3.795	1	3.795	.037	.849
GR * X7	1389.720	1	1389.720	13.527	.001
Error	2876.607	28	102.736		
Total	14239.900	31			
Corrected Total	5052.685	30			

a. R Squared = .431 (Adjusted R Squared = .390)

## Output Chow Test untuk PT. Indosat Tbk.

### Univariate Analysis of Variance

#### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

#### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	109.107 <sup>a</sup>	2	54.554	.832	.446
Intercept	512.007	1	512.007	7.804	.009
X1	53.558	1	53.558	.816	.374
GR * X1	85.254	1	85.254	1.299	.264
Error	1836.962	28	65.606		
Total	6930.577	31			
Corrected Total	1946.069	30			

a. R Squared = .056 (Adjusted R Squared = -.011)

### Univariate Analysis of Variance

#### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

#### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	386.136 <sup>a</sup>	2	193.068	3.465	.045
Intercept	2152.069	1	2152.069	38.629	.000
X5	182.941	1	182.941	3.284	.081
GR * X5	209.988	1	209.988	3.769	.062
Error	1559.933	28	55.712		
Total	6930.577	31			
Corrected Total	1946.069	30			

a. R Squared = .198 (Adjusted R Squared = .141)

## Univariate Analysis of Variance

### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	115.238 <sup>a</sup>	2	57.619	.881	.425
Intercept	801.565	1	801.565	12.259	.002
X6	37.130	1	37.130	.568	.457
GR * X6	16.568	1	16.568	.253	.619
Error	1830.831	28	65.387		
Total	6930.577	31			
Corrected Total	1946.069	30			

a. R Squared = .059 (Adjusted R Squared = -.008)

## Univariate Analysis of Variance

### Between-Subjects Factors

	Value Label	N
GROUP	1.00	16
	2.00	15

### Tests of Between-Subjects Effects

Dependent Variable: PER (Y)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	191.534 <sup>a</sup>	2	95.767	1.528	.234
Intercept	229.650	1	229.650	3.665	.066
X7	65.444	1	65.444	1.044	.316
GR * X7	137.516	1	137.516	2.195	.150
Error	1754.535	28	62.662		
Total	6930.577	31			
Corrected Total	1946.069	30			

a. R Squared = .098 (Adjusted R Squared = .034)

## Regression\_PT TelkomTbk

### Variables Entered/Removed<sup>b</sup>

Model	Variables Entered	Variables Removed	Method
1	DER (X1) <sup>a</sup>	.	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,366 <sup>a</sup>	,134	,104	12,283619	2,055

a. Predictors: (Constant), DER (X1)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	676,954	1	676,954	4,486	,043 <sup>a</sup>
	Residual	4375,731	29	150,887		
	Total	5052,685	30			

a. Predictors: (Constant), DER (X1)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	24,251	3,988		6,081	,000
	DER (X1)	-5,078	2,397	-,366	-2,118	,043

a. Dependent Variable: PER (Y)

**Regression\_PT Telkom Tbk****Variables Entered/Removed<sup>b</sup>**

Model	Variables Entered	Variables Removed	Method
1	NPM (X2) <sup>a</sup>	,	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

**Model Summary<sup>b</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,321 <sup>a</sup>	,103	,072	12,501841	1,698

a. Predictors: (Constant), NPM (X2)

b. Dependent Variable: PER (Y)

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	520,100	1	520,100	3,328	,078 <sup>a</sup>
	Residual	4532,585	29	156,296		
	Total	5052,685	30			

a. Predictors: (Constant), NPM (X2)

b. Dependent Variable: PER (Y)

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	21,668	3,317		6,533	,000
	NPM (X2)	-19,285	10,572	-,321	-1,824	,078

a. Dependent Variable: PER (Y)

## Regression\_PT Telkom Tbk

### Variables Entered/Removed<sup>a</sup>

Model	Variables Entered	Variables Removed	Method
1	TATO <sup>a</sup> (X6)	,	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,399 <sup>a</sup>	,159	,130	12,105896	2,231

a. Predictors: (Constant), TATO (X6)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	802,656	1	802,656	5,477	,026 <sup>a</sup>
	Residual	4250,029	29	146,553		
	Total	5052,685	30			

a. Predictors: (Constant), TATO (X6)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	25,737	4,241		6,069	,000
	TATO (X6)	-32,690	13,968	-,399	-2,340	,026

a. Dependent Variable: PER (Y)

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**Regression\_PT Telkom Tbk****Variables Entered/Removed<sup>b</sup>**

Model	Variables Entered	Variables Removed	Method
1	DPR (X7) <sup>a</sup>		Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

**Model Summary<sup>b</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,395 <sup>a</sup>	,156	,127	12,129085	1,955

a. Predictors: (Constant), DPR (X7)

b. Dependent Variable: PER (Y)

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	786,359	1	786,359	5,345	,028 <sup>a</sup>
	Residual	4266,326	29	147,115		
	Total	5052,685	30			

a. Predictors: (Constant), DPR (X7)

b. Dependent Variable: PER (Y)

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	56,873	17,291		3,289	,003
	DPR (X7)	-99,144	42,883	-,395	-2,312	,028

a. Dependent Variable: PER (Y)

## Regression\_PT Telkom Tbk

**Variables Entered/Removed<sup>a</sup>**

Model	Variables Entered	Variables Removed	Method
1	TATO (X6)		Stepwise (Criteria: Probability-of-F-to-enter <= ,050, Probability-of-F-to-remove >= ,100).
2	DPR (X7)		Stepwise (Criteria: Probability-of-F-to-enter <= ,050, Probability-of-F-to-remove >= ,100).

a. Dependent Variable: PER (Y)

**Model Summary<sup>c</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,399 <sup>a</sup>	,159	,130	12,105896	
2	,539 <sup>b</sup>	,291	,240	11,311652	2,553

a. Predictors: (Constant), TATO (X6)

b. Predictors: (Constant), TATO (X6), DPR (X7)

c. Dependent Variable: PER (Y)

**ANOVA<sup>c</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	802,656	1	802,656	5,477	,026 <sup>a</sup>
	Residual	4250,029	29	146,553		
	Total	5052,685	30			
2	Regression	1469,988	2	734,994	5,744	,008 <sup>b</sup>
	Residual	3582,697	28	127,953		
	Total	5052,685	30			

a. Predictors: (Constant), TATO (X6)

b. Predictors: (Constant), TATO (X6), DPR (X7)

c. Dependent Variable: PER (Y)

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	25,737	4,241		6,069	,000
	TATO (X6)	-32,690	13,968	-,399	-2,340	,026
2	(Constant)	61,759	16,264		3,797	,001
	TATO (X6)	-30,268	13,095	-,369	-2,311	,028
	DPR (X7)	-91,634	40,124	-,365	-2,284	,030

a. Dependent Variable: PER (Y)

**Excluded Variables<sup>c</sup>**

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	DER (X1)	-,303 <sup>a</sup>	-1,815	,080	-,325	,966
	NPM (X2)	-,236 <sup>a</sup>	-1,358	,185	-,249	,937
	DPR (X7)	-,365 <sup>a</sup>	-2,284	,030	-,396	,993
2	DER (X1)	-,090 <sup>b</sup>	-,397	,695	-,076	,504
	NPM (X2)	-,127 <sup>b</sup>	-,724	,476	-,138	,838

a. Predictors in the Model: (Constant), TATO (X6)

b. Predictors in the Model: (Constant), TATO (X6), DPR (X7)

c. Dependent Variable: PER (Y)

## Regression\_PT Indosat Tbk

### Variables Entered/Removed<sup>b</sup>

Model	Variables Entered	Variables Removed	Method
1	DER (X1) <sup>a</sup>	.	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,111 <sup>a</sup>	,012	-,022	8,141457	1,352

a. Predictors: (Constant), DER (X1)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	23,853	1	23,853	,360	,553 <sup>a</sup>
	Residual	1922,216	29	66,283		
	Total	1946,069	30			

a. Predictors: (Constant), DER (X1)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	13,745	2,299		5,979	,000
	DER (X1)	-2,167	3,613	-,111	-,600	,553

a. Dependent Variable: PER (Y)

### Casewise Diagnostics<sup>a</sup>

Case Number	Std. Residual	PER (Y)
30	3,804	42,380

a. Dependent Variable: PER (Y)

## Regression\_PT Indosat Tbk

### Variables Entered/Removed<sup>b</sup>

Model	Variables Entered	Variables Removed	Method
1	EGR (X5) <sup>a</sup>	,	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,301 <sup>a</sup>	,091	,059	7,812283	1,781

a. Predictors: (Constant), EGR (X5)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	176,148	1	176,148	2,886	,100 <sup>a</sup>
	Residual	1769,921	29	61,032		
	Total	1946,069	30			

a. Predictors: (Constant), EGR (X5)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	16,869	2,837		5,947	,000
	EGR (X5)	-88,087	51,850	-,301	-1,699	,100

a. Dependent Variable: PER (Y)

### Casewise Diagnostics<sup>a</sup>

Case Number	Std. Residual	PER (Y)
30	3,525	42,380

a. Dependent Variable: PER (Y)

## Regression\_PT Indosat Tbk

### Variables Entered/Removed<sup>h</sup>

Model	Variables Entered	Variables Removed	Method
1	TATO (X6) <sup>a</sup>	,	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,225 <sup>a</sup>	,051	,018	7,981442	1,341

a. Predictors: (Constant), TATO (X6)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	98,670	1	98,670	1,549	,223 <sup>a</sup>
	Residual	1847,399	29	63,703		
	Total	1946,069	30			

a. Predictors: (Constant), TATO (X6)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	9,842	2,694		3,653	,001
	TATO (X6)	15,602	12,537	,225	1,245	,223

a. Dependent Variable: PER (Y)

### Casewise Diagnostics<sup>a</sup>

Case Number	Std. Residual	PER (Y)
30	3,742	42,380

a. Dependent Variable: PER (Y)

## Regression PT Indosat Tbk

### Variables Entered/Removed<sup>b</sup>

Model	Variables Entered	Variables Removed	Method
1	DPR (X7) <sup>a</sup>	.	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,167 <sup>a</sup>	,028	-,006	8,077323	1,417

a. Predictors: (Constant), DPR (X7)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	54,018	1	54,018	,828	,370 <sup>a</sup>
	Residual	1892,051	29	65,243		
	Total	1946,069	30			

a. Predictors: (Constant), DPR (X7)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	25,639	14,316		1,791	,084
	DPR (X7)	-31,385	34,492	-,167	-,910	,370

a. Dependent Variable: PER (Y)

### Casewise Diagnostics<sup>a</sup>

Case Number	Std. Residual	PER (Y)
30	3,627	42,380

a. Dependent Variable: PER (Y)

## Regression\_PT Indosat Tbk

### Variables Entered/Removed<sup>ϕ</sup>

Model	Variables Entered	Variables Removed	Method
1	DPR (X7), DER (X1), EGR (X5), TATO <sup>a</sup> (X6)	,	Enter

a. All requested variables entered.

b. Dependent Variable: PER (Y)

### Model Summary<sup>b</sup>

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,448 <sup>a</sup>	,201	,078	7,732881	1,818

a. Predictors: (Constant), DPR (X7), DER (X1), EGR (X5), TATO (X6)

b. Dependent Variable: PER (Y)

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	391,336	4	97,834	1,636	,195 <sup>a</sup>
	Residual	1554,734	26	59,797		
	Total	1946,069	30			

a. Predictors: (Constant), DPR (X7), DER (X1), EGR (X5), TATO (X6)

b. Dependent Variable: PER (Y)

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	24,408	13,783		1,771	,088
	DER (X1)	-,827	3,563	-,042	-,232	,818
	EGR (X5)	-99,627	54,079	-,340	-1,842	,077
	TATO (X6)	21,964	13,027	,317	1,686	,104
	DPR (X7)	-25,625	34,646	-,136	-,740	,466

a. Dependent Variable: PER (Y)

**Casewise Diagnostics<sup>a</sup>**

Case Number	Std. Residual	PER (Y)
30	3,575	42,380

a. Dependent Variable: PER (Y)

**Residuals Statistics<sup>a</sup>**

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	6,96000	19,88642	12,68032	3,611721	31
Residual	-6,77248	27,64833	,00000	7,198920	31
Std. Predicted Value	-1,584	1,995	,000	1,000	31
Std. Residual	-,876	3,575	,000	,931	31

a. Dependent Variable: PER (Y)