

Lampiran 4.

ANALISIS DATA

1. Korelasi Product Moment

a. Koefisien Korelasi :

VARIABEL	X1	X2	X3	X4	Y
X1	1,0000				
X2	0.8648	1,0000			
X3	0.9074	0.9299	1,0000		
X4	0.6762	0.7430	0.7538	1,0000	
Y	0.9128	0.9622	0.9517	0.7425	1,0000

a. Koefisien Determinasi :

VARIABEL	X1	X2	X3	X4	Y
X1	1,0000				
X2	0.7479	1.0000			
X3	0.8233	0.8648	1.0000		
X4	0.4573	0.5520	0.5682	1.0000	
Y	0.8332	0.9258	0.9058	0.5513	1.0000
Persen	83,32	92,58	90,58	55,13	

2. Regresi Partial (regresi sederhana) :

a. Pengaruh  $X_1$  terhadap Y :

MTB > Regress 'Y' 1 'X1';

The regression equation is

$$Y = -8622,29 + 9154,35 X_1$$

Predictor	Coef	Stdev	t-ratio	P
Constant	-8622.29	4876.841	-1.768	0.081417
X1	9154.35	489.626	18.697	6.26306

$$s = 13316,1439 \quad R\text{-sq} = 83,32\% \quad R\text{-sq(adj)} = 83,08\%$$

Analysis of Variance

SOURCE	DF	SS	MS	F	P
Regression	1	61984496820	61984496819.5	349.56	6.26306
Error	70	12412378180	177319688.3		
Total	71	74396875000			

b. Pengaruh  $X_2$  terhadap Y :

MTB > Regress 'Y' 1 'X2';

The regression equation is

$$Y = -13550,8 + 31,696 X_2$$

Predictor	Coef	Stdev	t-ratio	P
Constant	-13550.8	3259.995	-4.157	0.00009
X2	31.696	1.07	29.558	2.844



Predictor	Coef	Stdev	t-ratio	P
Constant	-27223.664	4022.6433	-6.7676	3.94E-09
X1	2161.401	605.1580	3.5716	6.62E-04
X2	17.594	2.3063	7.6284	1.13E-10
X3	1532.740	515.8606	2.9712	4.12E-03
X4	0.746	2.8870	0.2584	7.97E-01

s = 6843.7140 R-sq = 95,78% R-sq(adj) = 95,53%

#### Analysis of Variance

SOURCE	DF	SS	MS	F	P
Regression	4	71258834758.69	17814708689.67	380.36	2.88825E-45
Error	67	3138040241.31	46836421.51		
Total	71	74396875000.00			