

LAMPIRAN

Lampiran 1. Analisis Regresi

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	LOKASI , MUSIM , LAHAN , KCL, KANDANG , CAIR , ZA, PADAT , TSP, ORGANIK , UREA, PHONSKA , BENIH , TK ^a		Enter

a. All requested variables entered.

b. Dependent Variable: PRODUKSI

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.893 ^a	.798	.771	.40172

a. Predictors: (Constant), LOKASI, MUSIM, LAHAN, PES PADAT, KCL, KANDANG , ZA, TSP, ORGANIK, PES CAIR, UREA, PHONSKA , BENIH, TK

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	67.023	14	4.787	29.666	.000 ^a
	Residual	16.944	105	.161		
	Total	83.967	119			

ANOVA^b

a. Predictors: (Constant), LOKASI , MUSIM , LAHAN , KCL, KANDANG , CAIR , ZA, PADAT , TSP, ORGANIK , UREA, PHONSKA , BENIH , TK

b. Dependent Variable: PRODUKSI

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.575	1.069		.538	.592
	LAHAN	.678	.210	.640	3.222	.002
	BENIH	-.056	.134	-.056	-.422	.674
	UREA	.033	.045	.044	.745	.458
	PHONSKA	.036	.028	.075	1.271	.206
	TSP	.063	.036	.086	1.749	.083
	ZA	-.009	.038	-.012	-.238	.812
	KCL	-.021	.081	-.012	-.256	.798
	KANDANG	.038	.019	.091	1.952	.054
	ORGANIK	.055	.022	.136	2.493	.014
	CAIR	-.030	.023	-.063	-1.299	.197
	PADAT	-.101	.044	-.112	-2.314	.023
	TK	.255	.151	.234	1.683	.095
	MUSIM	-.025	.073	-.015	-.344	.732
	LOKASI	.003	.096	.002	.029	.977

a. Dependent Variable: PRODUKSI

Lampiran 2. Analisis Efisiensi

Uraian	Rata-Rata	Harga	Koefisien Regresi	Var bi	SE
Lahan	2.773,30	717	0,678	0,044	0,210
Pupuk TSP	4,65	593	0,063	0,004	0,036
Pupuk Kandang	119,48	142	0,038	0,0003	0,019
Pupuk Organik	49,18	2734	0,055	0,0005	0,022
Tenaga Kerja	31,16	50007	0,255	0,0228	0,151

1. Lahan

$$\begin{aligned} \text{MPPX}_1 &= b \frac{Y}{x_1} \\ &= 0,678 \cdot \frac{1.297,5}{2.773,3} \\ &= 0,31 \end{aligned}$$

$$\begin{aligned} \text{NPM X}_1 &= \text{MPPX}_1 \cdot P_y \\ &= 0,31 \cdot 4421,67 \\ &= 1.370,71 \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \frac{Y}{x_1} \\ \frac{\text{NPMX}_1}{\text{PX}_1} &= \frac{1.370,71}{717} \\ &= 1,91 \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left(\frac{K}{b_i}\right)^2 \cdot \text{Var } b_i \\ &= \left(\frac{1,91}{0,678}\right)^2 \cdot 0,0441 \end{aligned}$$

$$= 0,34$$

$$\begin{aligned} t \text{ hit} &= \left(\frac{1-k}{\sqrt{\text{Var}K}} \right) \\ &= \left(\frac{1-1,91}{\sqrt{0,34}} \right) \\ &= 1,56 \end{aligned}$$

2. Pupuk TSP

$$\begin{aligned} \text{MPPX}_5 &= b \frac{Y}{x_5} \\ &= 0,063 \cdot \frac{1.297,5}{4,65} \\ &= 17,57 \end{aligned}$$

$$\begin{aligned} \text{NPM X}_5 &= \text{MPPX}_5 \cdot P_y \\ &= 17,57 \cdot 4421,67 \\ &= 77688,74 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPMX}_5}{\text{PX}_5} &= \frac{77688,74}{593} \\ &= 131,01 \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left(\frac{K}{b_i} \right)^2 \cdot \text{Var } b_i \\ &= \left(\frac{131,01}{0,063} \right)^2 \cdot 0,0013 \\ &= 5621,7 \end{aligned}$$

$$\begin{aligned} t \text{ hit} &= \left(\frac{1-k}{\sqrt{\text{Var}K}} \right) \\ &= \left(\frac{1-131,01}{\sqrt{5621,7}} \right) \end{aligned}$$

$$= -1,73$$

3. Pupuk Kandang

$$MPPX_8 = b \frac{Y}{x_8}$$

$$= 0,038 \cdot \frac{1.297,5}{119,48}$$

$$= 0,41$$

$$NPM X_8 = MPPX_8 \cdot P_y$$

$$= 0,41 \cdot 4421,67$$

$$= 1812,88$$

$$\frac{NPM_8}{PX_8} = \frac{1812,88}{141,66}$$

$$= 12,79$$

$$\text{Var K} = \left(\frac{K}{b_i}\right)^2 \cdot \text{Var } b_i$$

$$= \left(\frac{12,79}{0,038}\right)^2 \cdot 0,0003$$

$$= 33,98$$

$$t \text{ hit} = \left(\frac{1-k}{\sqrt{\text{VarK}}}\right)$$

$$= \left(\frac{1-12,79}{\sqrt{33,98}}\right)$$

$$= -2,02$$

4. Pupuk Organik

$$\begin{aligned} \text{MPPX}_9 &= b \frac{Y}{x_9} \\ &= 0,055 \cdot \frac{1.297,5}{49,18} \\ &= 1,45 \end{aligned}$$

$$\begin{aligned} \text{NPM X}_9 &= \text{MPPX}_9 \cdot P_y \\ &= 1,45 \cdot 4421,67 \\ &= 6411,42 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPMX}_9}{\text{PX}_9} &= \frac{6411,42}{2734,36} \\ &= 2,34 \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left(\frac{K}{b_i}\right)^2 \cdot \text{Var } b_i \\ &= \left(\frac{2,34}{0,055}\right)^2 \cdot 0,0005 \\ &= 0,90 \end{aligned}$$

$$\begin{aligned} t \text{ hit} &= \left(\frac{1-k}{\sqrt{\text{VarK}}}\right) \\ &= \left(\frac{1-2,34}{\sqrt{0,90}}\right) \\ &= -1,42 \end{aligned}$$

5. Tenaga Kerja

$$\begin{aligned} \text{MPPX}_{12} &= b \frac{Y}{x_{12}} \\ &= 0,255 \cdot \frac{1.297,5}{31,16} \\ &= 10,61 \end{aligned}$$

$$\begin{aligned} \text{NPM X}_{12} &= \text{MPPX}_{12} \cdot P_y \\ &= 10,61 \cdot 4421,67 \\ &= 46913,91 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPMX}_{12}}{\text{PX}_{12}} &= \frac{46913,91}{50006,68} \\ &= 0,94 \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left(\frac{K}{b_i}\right)^2 \cdot \text{Var } b_i \\ &= \left(\frac{0,94}{0,055}\right)^2 \cdot 0,0228 \\ &= 0,31 \end{aligned}$$

$$\begin{aligned} t \text{ hit} &= \left(\frac{1-k}{\sqrt{\text{Var}K}}\right) \\ &= \left(\frac{1-0,94}{\sqrt{0,31}}\right) \\ &= 0,10 \end{aligned}$$