

Lampiran 8. Hasil SPSS Uji Multikoleniaritas

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	3.436	.376		9.129	.000		
Bibit	.014	.006	.158	2.516	.016	.132	7.563
Pupuk Kandang	.110	.017	.458	6.411	.000	.103	9.733
Tenaga Kerja	.121	.020	.397	6.004	.000	.120	8.367

a. Dependent Variable: Produksi



Lampiran 9. Hasil SPSS Uji Heteroskedastisitas

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.387	.216		1.788	.081
Bibit	-.005	.003	-.662	-1.715	.094
Pupuk Kandang	-.007	.010	-.291	-.666	.509
Tenaga Kerja	.018	.012	.638	1.571	.124

a. Dependent Variable: Abs



Lampiran 10. Hasil SPSS Uji Normalitas

Descriptive Statistics

	N	Skewness		Kurtosis	
	Statistic	Statistic	Std. Error	Statistic	Std. Error
Standardized Residual	46	.051	.350	.081	.688
Valid N (listwise)	46				



Lampiran 11. Hasil SPSS Regresi Linier Berganda

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	Tenaga Kerja, Bibit, Pupuk Kandang ^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	.989 ^a	.978	.976	.08744

a. Predictors: (Constant), Tenaga Kerja, Bibit, Pupuk Kandang

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	14.279	3	4.760	622.516	.000 ^a
	Residual	.321	42	.008		
	Total	14.600	45			

a. Predictors: (Constant), Tenaga Kerja, Bibit, Pupuk Kandang

b. Dependent Variable: Produksi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.436	.376		9.129	.000
	Bibit	.014	.006	.158	2.516	.016
	Pupuk Kandang	.110	.017	.458	6.411	.000
	Tenaga Kerja	.121	.020	.397	6.004	.000

a. Dependent Variable: Produksi

Lampiran 12. Perhitungan Rata-rata Penggunaan Faktor-faktor Produksi yang Optimal dalam Usahatan Padi Beras Merah Organik

Variabel	Epi	Rata-rata Y	Py	Rata-rata x	Px	NPMx	NPMx / Px	X Optimal
Benih (X1)	0,014	3970,26	9000	22,15	9000	22585,50	2,51	55,58
Pupuk Kandang (X2)	0,110	3970,26	9000	5900,23	500	666,17	1,33	7861,11
Tenaga Kerja (X3)	0,121	3970,26	9000	129	34624	33516,53	0,97	125

1. Perhitungan Rata-rata Penggunaan Benih Optimal

Diketahui :

$$\text{Elastisitas Produksi Benih (EpX1)} = 0,014$$

$$\text{Rata-rata penggunaan Benih } (\bar{X1}) = 22,15 \text{ Kg/ha}$$

$$\text{Rata-rata Produksi Gabah Kering Giling } (\bar{Y}) = 3970,26 \text{ kg/ha}$$

$$\text{Harga Benih (Px1)} = \text{Rp } 9000 \text{ per kg}$$

$$\text{Harga Gabah Kering Giling (Py)} = \text{Rp } 9000 \text{ per kg}$$

Maka :

$$\begin{aligned} \text{NPMx1} &= \frac{(\text{Epx1})(\bar{Y})(\text{Py})}{\bar{X1}} \\ &= \frac{(0,014)(3970,26)(9000)}{22,15} \\ &= \text{Rp } 22585,50 \end{aligned}$$

$$\begin{aligned} \text{NPMx1/ Px1} &= \frac{22585,50}{9000} \\ &= 2,51 \end{aligned}$$

$$\begin{aligned} \text{X1optimal} &= \frac{(\text{Epx1})(Y)(\text{Py})}{\text{Px1}} \\ &= \frac{(0,014)(3970,26)(9000)}{9000} \\ &= 55,58 \text{ kg/ha} \end{aligned}$$

Lampiran 12. (Lanjutan)

2. Perhitungan Rata-rata Penggunaan Pupuk Kandang Optimal

Diketahui :

$$\text{Elastisitas Produksi Pupuk Kandang (Epx2)} = 0,110$$

$$\text{Rata-rata penggunaan Pupuk Kandang } (\bar{X}_2) = 5900,23 \text{ kg/ha}$$

$$\text{Rata-rata Produksi Gabah Kering Giling } (\bar{Y}) = 3970,26 \text{ kg/ha}$$

$$\text{Harga Pupuk Kandang (Px2)} = \text{Rp } 500 \text{ per kg}$$

$$\text{Harga Gabah Kering Giling (Py)} = \text{Rp } 9000 \text{ per kg}$$

Maka :

$$\begin{aligned} \text{NPMx2} &= \frac{(\text{Epx2})(\bar{Y})(\text{Py})}{\bar{X}_1} \\ &= \frac{(0,110)(3970,26)(9000)}{5900,23} \\ &= \text{Rp } 666,17 \end{aligned}$$

$$\begin{aligned} \text{NPMx2/ Px2} &= \frac{666,17}{500} \\ &= 1,33 \end{aligned}$$

$$\begin{aligned} \text{X2optimal} &= \frac{(\text{Epx2})(\bar{Y})(\text{Py})}{\text{Px2}} \\ &= \frac{(0,110)(3970,26)(9000)}{500} \\ &= 7861,11 \text{ kg/ha} \end{aligned}$$

3. Perhitungan Rata-rata Penggunaan Tenaga Kerja Optimal

Diketahui :

$$\text{Elastisitas Produksi Benih (Epx3)} = 0,121$$

$$\text{Rata-rata penggunaan Tenaga Kerja } (\bar{X}_3) = 129 \text{ HOK/ha}$$

$$\text{Rata-rata Produksi Gabah Kering Giling } (\bar{Y}) = 3970,26 \text{ kg/ha}$$

$$\text{Upah Tenaga Kerja (Px3)} = \text{Rp } 34624 \text{ per kg}$$

Lampiran 12. (Lanjutan)

Harga Gabah Kering Giling (Py) = Rp 9000 per kg

Maka :

$$NPM_{x3} = \frac{(E_{px3})(\bar{Y})(P_y)}{\bar{X}_3}$$

$$= \frac{(0,121)(3970,26)(9000)}{129}$$

$$= \text{Rp } 33516,53$$

$$NPM_{x3} / P_{x3} = \frac{33516,53}{34624}$$

$$= 0,97$$

$$X_{3\text{optimal}} = \frac{(E_{px3})(\bar{Y})(P_y)}{P_{x3}}$$

$$= \frac{(0,121)(3970,26)(9000)}{34624}$$

$$= 125 \text{ HOK/ha}$$

