

LAMPIRAN

Lampiran 1. Identitas Petani Padi Organik di Gapoktan “Mitra Usaha Tani”

No Sampel	Kepala Keluarga						
	Nama	Kelompok Tani	Umur (Tahun)	Tingkat Pendidikan	Pekerjaan Sampingan	Pengalaman (Tahun)	Jumlah Tanggungan
1	Qomarudin	Tani Makmur	54	SD		12	3
2	Supardi	Tani Makmur	55	SD		7	3
3	Mujirah	Tani Makmur	50	SD	Pedagang	7	3
4	Sunardi	Tani Makmur	47	SMA	Buruh	8	4
5	Mukidal	Tani Makmur	56	SD	Bangunan	7	4
6	Giyana	Tani Makmur	44	SMA	Bangunan	10	2
7	Subandi	Tani Makmur	52	SMA	Pedagang	10	2
8	Badawi	Tani Makmur	65	SMA		14	4
9	Sukijo	Tani Makmur	52	SMA		10	4
10	Tumiran	Tani Makmur	57	SD	Ternak Sapi	10	3
11	Mujiharjo	Tani Makmur	82	SD		7	1
12	Yatmini	Tani Makmur	35	SD		10	1
13	Wagiman	Tani Makmur	45	SD		3	4
14	Temon	Tani Makmur	65	SD	Ternak Kambing	10	1
15	Wiwit	Tani Makmur	42	SMA		3	4
16	Paimin	Tani Makmur	65	SD		3	1
17	Suroyo	Tani Makmur	45	SD	Buruh	5	2
18	Juhlani	Tani Makmur	45	SD	Dagang	10	3
19	Pardiyono	Tani Poso	45	SD	Buruh	3	0
20	Yulianto	Tani Rejo II	53	SMA	Pedagang	9	3
21	Sumarjana	Tani Makmur	42	SMA	Pedagang	12	4
22	Kadiyat	Tani Makmur	48	SMA	Pedagang	4	0
23	Sujilan	Tani Makmur	60	SD	Buruh	3	3
24	Syawal	Tani Makmur	62	SD		13	0
25	Panut	Tani Makmur	61	SD	Buruh	8	2
26	Paeran	Tani Makmur	68	SD	Buruh	8	3
27	Samijo	Tani Makmur	42	SMP	Buruh	14	3
28	Karnowo	Tani Makmur	56	SD	Dagang kambing	1,5	2
29	Marijo	Tani Makmur	70	SD		5	0
30	Suradal	Tani Rejo II	47	S1		5	2
31	Pairin	Tani Makmur	46	SD	Tukang	5	3
32	Sirpono	Tani Makmur	52	SMP	Buruh	15	2
33	Muhaji Suwito	Tani Rejo II	78	SD		9	1
Jumlah			1363			185,5	77
Rata-rata			54,52			7,42	2,33

Lampiran 2. Kepemilikan Lahan Padi Organik

No Sampel	Nama	Kepemilikan Lahan	Luas Lahan (m)
1	Qomarudin	Sendiri	1300
2	Supardi	Sendiri	1200
3	Mujirah	Sewa	1000
4	Sunardi	Sewa	1000
5	Mukidal	Penggarap	1000
6	Giyana	Sendiri	1000
7	Subandi	Sendiri	2500
8	Badawi	Sendiri	1500
9	Sukijo	Sewa	2000
10	Tumiran	Sendiri	600
11	Mujiharjo	Sendiri	1000
12	Yatmini	Sendiri	500
13	Wagiman	Sewa	600
14	Temon	Sendiri	500
15	Wiwit	Sendiri	500
16	Paimin	Sendiri	1000
17	Suroyo	Penggarap	2000
18	Juhlani	Sendiri	1000
19	Pardiyono	Sendiri	500
20	Yulianto	Sendiri	650
21	Sumarjana	Sewa	6000
22	Kadiyat	Sendiri	2000
23	Sujilan	Sendiri	500
24	Syawal	Sewa	2000
25	Panut	Sendiri	1000
26	Paeran	Sewa	1500
27	Samijo	Penggarap	1000
28	Karnowo	Sendiri	600
29	Marijo	Sendiri	500
30	Suradal	Penggarap	2300
31	Pairin	Sendiri	1000
32	Sirpono	Sendiri	1000
33	Muhaji Suwito	Sendiri	450
Jumlah			41200
Rata-rata			1248,48

Lampiran 3. Biaya Penggunaan Sarana Produksi Usahatani Padi Organik

Musim Penghujan

NO	NAMA	Status Lahan	Luas Lahan (m2)	Benih			Pupuk Kandang			Pupuk Petroganik			Pestisida			TOTAL BIAYA
				Kg	Rp	Total (Rp)	Kg	Rp	Total (Rp)	Kg	Rp	Total (Rp)	kg	Rp	Total (Rp)	
1	Qomarudin	Sendiri	1300	6,5	7000	45500	100	300	30000	130	500	65000	0	0	0	140500
2	Supardi	Sendiri	1200	8	10000	80000	180	300	54000	60	500	30000	0	0	0	164000
3	Mujirah	Sewa	1000	3	6000	18000	175	300	52500	120	500	60000	0	0	0	130500
4	Sunardi	Sewa	1000	3	6000	18000	100	300	30000	240	500	120000	0	0	0	168000
5	Mukidal	Penggarap	1000	5	6000	30000	120	300	36000	240	500	120000	0	0	0	186000
6	Giyana	Sendiri	1000	5	6000	30000	400	300	120000	80	500	40000	0	0	0	190000
7	Subandi	Sendiri	2500	10	7000	70000	1000	300	300000	140	500	70000	0	0	0	440000
8	Badawi	Sendiri	1500	3	6000	18000	150	300	45000	80	500	40000	0	0	0	103000
9	Sukijo	Sewa	2000	8	6000	48000	500	300	150000	80	500	40000	0	0	0	238000
10	Tumiran	Sendiri	600	5	9000	45000	450	300	135000	40	500	20000	0	0	0	200000
11	Mujiharjo	Sendiri	1000	5	6000	30000	600	300	180000	80	500	40000	0	0	0	250000
12	Yatmini	Sendiri	500	2,5	10000	25000	75	300	22500	40	500	20000	0	0	0	67500
13	Wagiman	Sewa	600	4	6000	24000	250	300	75000	40	500	20000	0	0	0	119000
14	Temon	Sendiri	500	5	10000	50000	80	300	24000	40	500	20000	0	0	0	94000
15	Wiwit	Sendiri	500	4	6000	24000	375	300	112500	40	500	20000	0,03	5000	10000	166500
16	Paimin	Sendiri	1000	2,5	6000	15000	500	300	150000	80	500	40000	0	0	0	205000
17	Suroyo	Penggarap	2000	8	6000	48000	200	300	60000	80	500	40000	0,75	4000	3000	151000
18	Juhlani	Sendiri	1000	4	6000	24000	75	300	22500	80	500	40000	0	0	0	86500
19	Pardiyono	Sendiri	500	2	6000	12000	200	300	60000	20	500	10000	0	0	0	82000
20	Yulianto	Sendiri	650	3	10000	30000	300	300	90000	20	500	10000	0	0	0	130000
21	Sumarjana	Sewa	6000	24	6000	144000	3000	300	900000	600	500	300000	75	4000	20000	1364000
22	Kadiyat	Sendiri	2000	10	7000	70000	350	300	105000	20	500	10000	60	4000	16000	201000
23	Sujilan	Sendiri	500	2,5	8000	20000	100	300	30000	40	500	20000	0	0	0	70000
24	Syawal	Sewa	2000	3	7000	21000	250	300	75000	200	500	100000	0,5	35000	17500	213500

25	Panut	Sendiri	1000	6	7000	42000	125	300	37500	15	500	7500	0	0	0	87000
26	Paeran	Sewa	1500	5	8000	40000	500	300	150000	40	500	20000	0	0	0	210000
27	Samijo	Penggarap	1000	4	8000	32000	300	300	90000	80	500	40000	0	0	0	162000
28	Karnowo	Sendiri	600	3	7000	21000	100	300	30000	120	500	60000	0	0	0	111000
29	Marijo	Sendiri	500	3	6000	18000	200	300	60000	80	500	40000	0	0	0	118000
30	Suradal	Penggarap	2300	4,5	7000	31500	375	300	112500	50	500	25000	0	0	0	169000
31	Pairin	Sendiri	1000	12	7000	84000	400	300	120000	80	500	40000	0	0	0	244000
32	Sirpono	Sendiri	1000	5	9000	45000	200	300	60000	80	500	40000	0	0	0	145000
33	Muhaji Suwito	Sendiri	450	2	11000	22000	400	300	120000	160	500	80000	0	0	0	222000
Jumlah			41200	180,5	239000	1275000	12130	9900	3639000	3295	16500	1647500	136,3	52000	66500	6628000
Rata-rata			1248,48	5,47	7242	38636,36	367,58	300,00	110272,73	99,85	500,00	49924,24	4,13	1575,76	2015,15	200848,48

Musim-kemarau

NO	NAMA	Status Lahan	Luas Lahan (m ²)	Benih			Pupuk Kandang			Pupuk Petroorganik			Pestisida			TOTAL BIAYA
				Kg	Rp	Total (Rp)	Kg	Rp	Total (Rp)	Kg	Rp	Total (Rp)	kg	Rp	Total (Rp)	
1	Qomarudin	Sendiri	1300	6,5	7000	45500	120	300	36000	170	500	85000	0	0	0	166500
2	Supardi	Sendiri	1200	8	10000	80000	180	300	54000	60	500	30000	0	0	0	164000
3	Mujirah	Sewa	1000	3	6000	18000	200	300	60000	120	500	60000	0,5	20000	10000	148000
4	Sumardi	Sewa	1000	3	6000	18000	100	300	30000	240	500	120000	0,5	20000	10000	178000
5	Makial	Penggarap	1000	5	6000	30000	120	300	36000	240	500	120000	0	0	0	186000
6	Giyana	Sendiri	1000	5	6000	30000	400	300	120000	80	500	40000	0,015	5000	5000	195000
7	Subandi	Sendiri	2500	10	7000	70000	1000	300	300000	140	500	70000	0	0	0	440000
8	Badawi	Sendiri	1500	3	6000	18000	150	300	45000	80	500	40000	0	0	0	103000
9	Sukjo	Sewa	2000	8	6000	48000	500	300	150000	80	500	40000	0	0	0	238000
10	Tumiran	Sendiri	600	5	9000	45000	150	300	45000	40	500	20000	0	0	0	110000
11	Mujiharjo	Sendiri	1000	5	6000	30000	600	300	180000	80	500	40000	0	0	0	250000
12	Yatmini	Sendiri	500	2,5	10000	25000	75	300	22500	40	500	20000	0	0	0	67500
13	Wagiman	Sewa	600	4	6000	24000	300	300	90000	80	500	40000	0	0	0	154000
14	Temon	Sendiri	500	5	10000	50000	80	300	24000	40	500	20000	0	0	0	94000
15	Wiwit	Sendiri	500	4	6000	24000	375	300	112500	40	500	20000	0,03	5000	10000	166500
16	Painin	Sendiri	1000	2,5	6000	15000	600	300	180000	100	500	50000	0	0	0	245000
17	Suroyo	Penggarap	2000	8	6000	48000	200	300	60000	80	500	40000	0,75	4000	3000	151000
18	Juhlani	Sendiri	1000	4	6000	24000	75	300	22500	80	500	40000	0	0	0	86500
19	Pardiyono	Sendiri	500	2	6000	12000	200	300	60000	20	500	10000	0	0	0	82000
20	Yulianto	Sendiri	650	3	10000	30000	300	300	90000	20	500	10000	0	0	0	130000
21	Sumarjana	Sewa	6000	24	6000	144000	2000	300	600000	600	500	300000	150	4000	40000	1084000
22	Kadiyat	Sendiri	2000	10	7000	70000	350	300	105000	20	500	10000	60	4000	16000	201000
23	Sujilan	Sendiri	500	2,5	8000	20000	125	300	37500	40	500	20000	0	0	0	77500
24	Syawal	Sewa	2000	3	7000	21000	250	300	75000	200	500	100000	1	35000	35000	231000
25	Panut	Sendiri	1000	6	7000	42000	125	300	37500	15	500	7500	0	0	0	87000
26	Paeran	Sewa	1500	5	8000	40000	500	300	150000	40	500	20000	0	0	0	210000

27	Samjio	Penggarap	1000	4	8000	32000	300	300	90000	80	500	40000	0	0	0	162000
28	Karnowo	Sendiri	600	3	7000	21000	100	300	30000	120	500	60000	0	0	0	111000
29	Marjo	Sendiri	500	3	6000	18000	200	300	60000	80	500	40000	0	0	0	118000
30	Patih	Sendiri	1000	12	7000	84000	400	300	120000	80	500	40000	0	0	0	244000
31	Sirpono	Sendiri	1000	5	9000	45000	200	300	60000	80	500	40000	0	0	0	145000
32	Mubaji Sawito	Sendiri	450	2	11000	22000	405	300	121500	160	500	80000	0	0	0	223500
Jumlah			38900	176	232000	1243500	10680	9600	3204000	3345	16000	1672500	212,8	97000	129000	6249000
Rata-rata			1215,63	5,50	7250,00	38859,38	333,75	300,00	100125,00	104,53	500,00	52265,63	6,65	3031,25	4031,25	195281,25

Lampiran 4. Regression

Descriptive Statistics

	Mean	Std. Deviation	N
PRODUKSI	5,6304	,66019	65
LAHAN	6,9149	,59257	65
BENIH	1,5249	,55543	65
PK	5,4941	,78688	65
PP	4,2916	,80002	65
TK	2,7206	,44206	65
MUSIM	,5077	,50383	65

Correlations

		PRODUKSI	LAHAN	BENIH	PK	PP	TK	MUSIM
Pearson Correlation	PRODUKSI	1,000	,824	,599	,634	,420	,753	,148
	LAHAN	,824	1,000	,720	,539	,442	,775	,022
	BENIH	,599	,720	1,000	,494	,218	,612	-,001
	PK	,634	,539	,494	1,000	,251	,561	,020
	PP	,420	,442	,218	,251	1,000	,454	-,030
	TK	,753	,775	,612	,561	,454	1,000	,016
	MUSIM	,148	,022	-,001	,020	-,030	,016	1,000
Sig. (1-tailed)	PRODUKSI	.	,000	,000	,000	,000	,000	,120
	LAHAN	,000	.	,000	,000	,000	,000	,432
	BENIH	,000	,000	.	,000	,040	,000	,498
	PK	,000	,000	,000	.	,022	,000	,437
	PP	,000	,000	,040	,022	.	,000	,405
	TK	,000	,000	,000	,000	,000	.	,450
	MUSIM	,120	,432	,498	,437	,405	,450	.
N	PRODUKSI	65	65	65	65	65	65	65
	LAHAN	65	65	65	65	65	65	65
	BENIH	65	65	65	65	65	65	65
	PK	65	65	65	65	65	65	65
	PP	65	65	65	65	65	65	65
	TK	65	65	65	65	65	65	65
	MUSIM	65	65	65	65	65	65	65

Variables Entered/Removed(b)

Model	Variables Entered	Variables Removed	Method
1	MUSIM, BENIH, PP, PK, TK, LAHAN(a)		Enter

a All requested variables entered.

b Dependent Variable: PRODUKSI

Model Summary(b)

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics			Durbin-Watson		
					R Square Change	F Change	df1		df2	Sig. F Change
1	,875(a)	,765	,741	,33616	,765	31,474	6	58	,000	2,063

a Predictors: (Constant), MUSIM, BENIH, PP, PK, TK, LAHAN

b Dependent Variable: PRODUKSI

ANOVA(b)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	21,340	6	3,557	31,474	,000(a)
	Residual	6,554	58	,113		
	Total	27,894	64			

a Predictors: (Constant), MUSIM, BENIH, PP, PK, TK, LAHAN

b Dependent Variable: PRODUKSI

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-,701	,634		-1,106	,273
	LAHAN	,625	,133	,561	4,692	,000
	BENIH	-,059	,113	-,049	-,518	,606
	PK	,195	,067	,233	2,932	,005
	PP	,031	,061	,038	,516	,608
	TK	,296	,161	,198	1,846	,070
	MUSIM	,169	,084	,129	2,027	,047

a Dependent Variable: PRODUKSI

Lampiran 5. Perhitungan Efisiensi Penggunaan Faktor Produksi

Uraian	Rata-rata	Harga	Koefisien Regresi (bi)	Sbi	Var bi
Produksi (Y)	377,11	9508			
Lahan (X ₁)	1232,31	1500	0,625	0,133	0,018
Pupuk kandang (X ₃)	350,92	300	0,195	0,067	0,449
Tenaga kerja (X ₅)	17,23	23935	0,296	0,161	0,026

1. Lahan

$$\begin{aligned} \text{MPPX}_1 &= b \cdot \frac{Y}{X_1} \\ &= 0,625 \cdot \frac{377,11}{1232,32} \\ &= 0,19 \end{aligned}$$

$$\begin{aligned} \text{NPM X}_1 &= \text{MPP X}_1 \cdot P_y \\ &= 0,19 \cdot 9508 \\ &= 1806,52 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPM X}_1}{\text{PX}_1} (\text{K}) &= \frac{1806,52}{1500} \\ &= 1,20 (\text{K} < 1) \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left[\frac{K}{bf} \right]^2 \cdot \text{Var b} \\ &= \left[\frac{1,20}{0,625} \right]^2 \cdot 0,018 \\ &= 3,69 \cdot 0,018 \\ &= 0,066 \end{aligned}$$

$$\begin{aligned} \text{T hitung} &= \left(\frac{1-K}{\sqrt{\text{Var K}}} \right) \\ &= \left(\frac{1-1,2}{\sqrt{0,066}} \right) \\ &= \frac{-0,2}{0,26} \\ &= -0,77 \end{aligned}$$

(T hitung) -0,77 > -2,656 (T tabel) sehingga Ho diterima, Ha ditolak

2. Pupuk kandang

$$\begin{aligned} \text{MPP} &= b \cdot \frac{Y}{X_3} \\ &= 0,195 \cdot \frac{377,11}{350,92} \\ &= 0,21 \end{aligned}$$

$$\begin{aligned} \text{NPM } X_3 &= \text{MPP } X_3 \cdot P_y \\ &= 0,21 \cdot 9508 \\ &= 1996,68 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPM } X_3}{\text{PX}_3} (\text{K}) &= \frac{1996,68}{300} \\ &= 6,65 (\text{K} > 1) \end{aligned}$$

$$\begin{aligned} \text{Var K} &= \left[\frac{K}{b \cdot i} \right]^2 \cdot \text{Var } b \\ &= \left[\frac{6,65}{0,195} \right]^2 \cdot 0,449 \\ &= 1162,98 \cdot 0,449 \\ &= 522,18 \end{aligned}$$

$$\begin{aligned} \text{T hitung} &= \left(\frac{1-K}{\sqrt{\text{Var}}} \right) \\ &= \left(\frac{1-6,65}{\sqrt{522,18}} \right) \\ &= \frac{-5,65}{22,85} \\ &= -3,01 \end{aligned}$$

(T hitung) $-3,01 < -2,656$ (T tabel) sehingga H_0 ditolak, H_a diterima

3. Tenaga kerja

$$\begin{aligned} \text{MPP} &= b \cdot \frac{Y}{X_5} \\ &= 0,296 \cdot \frac{377,11}{17,23} \\ &= 6,48 \end{aligned}$$

$$\begin{aligned} \text{NPM } X_5 &= \text{MPP } X_3 \cdot P_y \\ &= 6,48 \cdot 9508 \\ &= 61611,84 \end{aligned}$$

$$\begin{aligned} \frac{\text{NPM } X_3}{P_{X3}} (K) &= \frac{61611,84}{23935} \\ &= 2,57 (K > 1) \end{aligned}$$

$$\begin{aligned} \text{Var } K &= \left[\frac{K}{b_i} \right]^2 \cdot \text{Var } b \\ &= \left[\frac{2,57}{0,296} \right]^2 \cdot 0,026 \\ &= 75,38 \cdot 0,026 \\ &= 1,96 \end{aligned}$$

$$\begin{aligned} T \text{ hitung} &= \left(\frac{1-K}{\sqrt{\text{Var}}} \right) \\ &= \left(\frac{1-2,57}{\sqrt{1,96}} \right) \\ &= \frac{-1,57}{1,4} \\ &= -1,12 \end{aligned}$$

(T hitung) $-1,12 > -2,656$ (T tabel) sehingga H_0 diterima, H_a ditolak