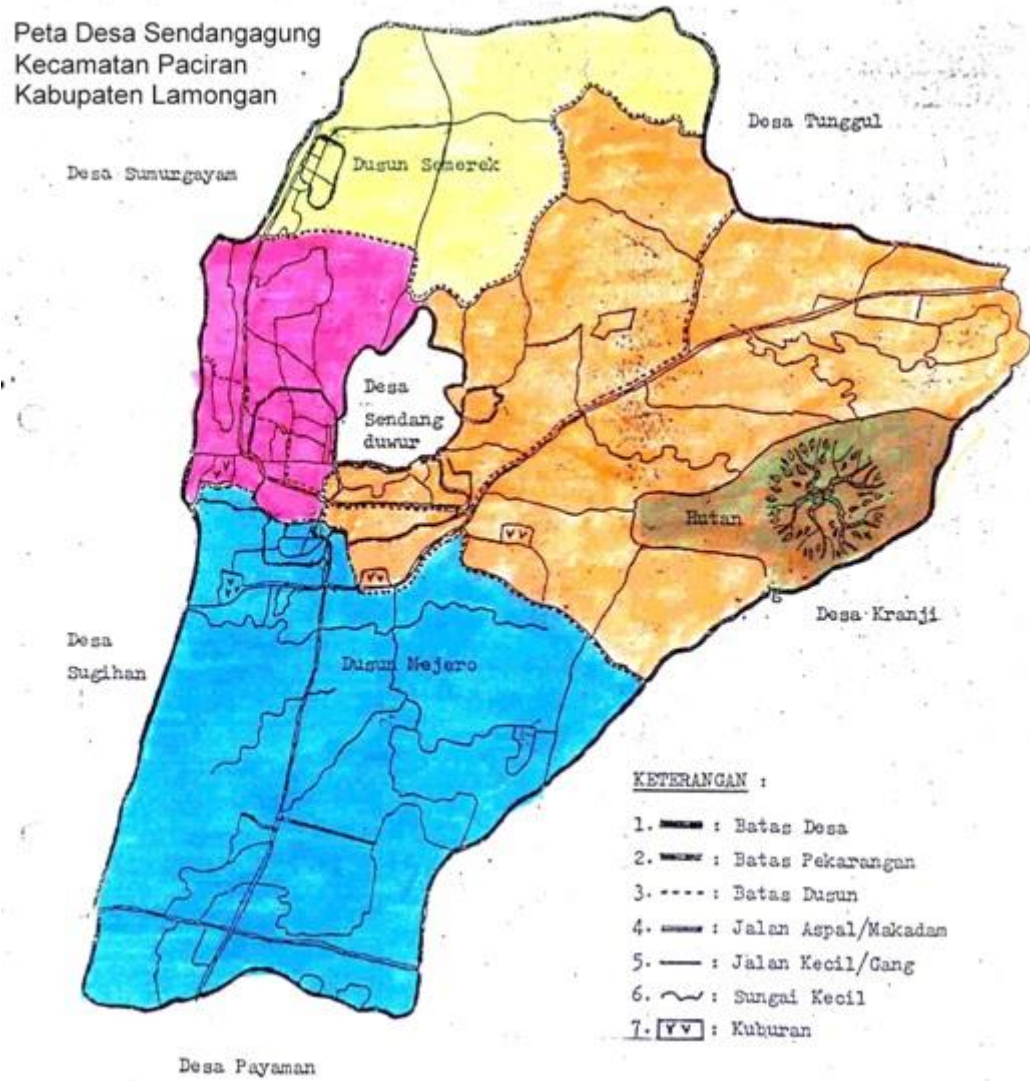


LAMPIRAN

Lampiran 1. Peta Desa Sendangagung, Kecamatan Paciran, Kabupaten Lamongan



Lampiran 2. Kuisioner untuk Petani Responden

A. Karakteristik Rumah Tangga

Karakteristik rumah tangga	Kode	Isian	Keterangan isian
Nama	A1		
No. HP	A2		
Umur	A3		Tahun
Jenis Kelamin	A4		1 = Pria ; 0 = Wanita;
Pendidikan	A5		0=Tdk sekolah; 1= SD tdk tamat; 2= SD tamat; 3=SLTP; 4=SLTA; 5=Diploma/PT
Pekerjaan utama	A6		1 = Petani; 2 = Pedagang; 3 = Jasa; 4 = Karyawan/ Pegawai/ Pekerja
Jumlah anggota keluarga	A7		Jumlah anggota keluarga yang tinggal serumah
Jumlah anggota keluarga yang tidak bekerja	A8		Jumlah anak dibawah usia 0-15 tahun yang tidak bekerja

B. Aset Kepemilikan Lahan Pertanian

Pemilihan lahan	Luas (Ha)		Sertifikasi lahan	
	Kode	Isian	Kode	Isian (1= sertifikat; 0=belum)
Sawah	B1		B5	
Tegal	B2		B6	
Pekarangan	B3		B7	
Kolam/tambak	B4		B8	

C. Sumberdaya Lahan (Jagung)

Sumberdaya Lahan	Kode	Isian	Keterangan isian
Luas lahan	C1		Hektar
Jenis lahan	C2		1=Sawah irigasi; 2= Sawah tadah hujan; 3=tegal
Status penguasaan	C3		1=milik; 2=sewa; 3= bagi hasil

D. Penggunaan benih

Penggunaan benih	Yang dilakukan petani		
	Kode	Isian	Keterangan isian
Jumlah	D1		Kg/ satuan lainnya sebutkan
Jenis benih	D2		1= lokal; 2= unggul; 3= hibrida; 4=
Nama varietas	D3		Sebutkan nama varietasnya

Harga benih/bibit	D4	Harga pembelian bibit dalam Kg atau satuan lain, sebutkan
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F. Penggunaan Pupuk

Penggunaan pupuk	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
a. Pupuk urea	F1		F8		F15		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
b. Pupuk TSP/ SP36	F2		F9		F16		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
c. Pupuk KCl	F3		F10		F17		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
d. Pupuk NPK	F4		F11		F18		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
e. Pupuk kandang	F5		F12		F19		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
f. Pupuk kompos	F6		F13		F20		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
g. Pupuk	F7		F14		F21		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran

G. Penggunaan Pestisida dan Herbisida

Jenis pestisida dan Herbisida	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
1.....	G1		G4		G7		Isikan jika ada anjuran (liter/ satuan) atau 0 = jika belum ada
2.....	G2		G5		G8		Isikan jika ada anjuran (liter / satuan) atau 0 = jika belum ada
3.....	G3		G6		G9		Isikan jika ada anjuran (liter / satuan) atau 0 = jika belum ada

H. Penggunaan Tenaga Kerja

Tenaga Kerja	Tenaga Kerja Dalam Keluarga			Tenaga Kerja Luar Keluarga			
	Jumlah Orang			Jumlah Orang		Nilai Tenaga Kerja (Rp)	
Jumlah tenaga Kerja	Kode	Isian		Kode	Isian	Kode	Isian
a. Pengolahan lahan	H1			H9		H17	
b. Penanaman	H2			H10		H18	
c. Pemupukan	H3			H11		H19	
d. Penyiangan	H4			H12		H20	
e. Penyemp. pesti.	H5			H13		H21	
f. Pengairan	H6			H14		H22	
g. Panen	H7			H15		H23	

h.	H8		H16		H24	
Hari Kerja	Jam/hari		Upah/hari			
	Kode	Isian	Kode	Isian		
Hari kerja pria	H25		H28			
Hari kerja wanita	H26		H29			
Hari kerja ternak	H27		H30			

I. Produksi

Indikator	Kode	Isian	Keterangan
Produksi hasil panen (kw)	I1		Sebutkan jumlahnya ,
Bentuk yang dijual	I2		1=jagung tongkol basah ;2 = Jagung Tongkol kering; 3= , jagung pipilan
Penanganan pasca Panen	I3		Sebutkan biaya yang dikeluarkan dalam Rupiah dari jumlah produk yang diperlakukan kegiatan ini dan taksir biayanya walaupun berasal dari dalam keluarga. Isikan nol (0) jika tidak melakukan
Pengeringan	I4		
Sortir	I5		
Pengolahan	I6		
Pengemasan	I7		
Biaya Angkut	I8		Sebutkan biaya dalam satuan rupiah dari total produk yang dijual angkutan
Sistem penjualan	I9		1= Tebasan/borongon; 2 = perkeatuan berat 3= ijon; 4 =.....
Lembaga pembeli	I10		1= tengkulak; 2=pedagang pengumpul; 3= pedagang besar; 4= koperasi; 5= pengecer; 6= pengolah; 7 =
Jumlah produk yang dijual (Kw)	I11		Besarnya jumlah produk yang dijual
Harga jual / Kw	I12		Harga penjualan penjualan
Nilai Penjualan nilai (Rp)	I13		Nilai penjualan totat dalam satuan rupiah (juga termasuk kalau ijon dan tebasan)

Lampiran 3. Karakteristik Petani Jagung Responden

No.	Nama	Umur	J. T Keluarga	Pendidikan	Luas Lahan (ha)
1	Kartasih	50	3	1	0.10
2	Karjo	53	3	3	0.13
3	Anwar	46	5	1	0.14
4	Salekah	65	9	4	0.15
5	Mustaji	52	5	4	0.15
6	Sarkimin	47	3	1	0.19
7	Dohir	35	6	4	0.20
8	Darmunit	52	7	2	0.20
9	Markamah	37	7	3	0.20
10	Sukadi	52	7	3	0.20
11	M. Anam	31	5	3	0.21
12	Samiaji	43	4	3	0.22
13	Sukarni	43	4	2	0.22
14	Umi Salamah	45	1	3	0.22
15	Karmaun	64	4	2	0.27
16	Sulasmi	48	3	1	0.30
17	M. Solih	68	4	2	0.44
18	H. Ruslan	70	2	2	0.44
19	Khoirul Fatihin	31	4	3	0.45
20	Marwan	60	6	0	0.49
21	Mat Trubus	40	6	3	0.30
22	Muslan P. Hari	67	3	1	0.40
23	Siti Khotimah	45	4	2	0.50
24	Mukahar	40	6	4	0.51
25	M. Muqim	42	6	4	0.56
26	Hj. Rosminah	67	2	1	0.60
27	Sholihah	49	2	1	0.64
28	Slamet	61	5	1	0.64
29	Nyasuan	51	2	2	0.66
30	M. Alimun	58	3	1	0.66
31	Warkiyasih	63	4	3	0.70
32	Uliyatun	48	5	5	0.70
33	Alimi	61	1	2	0.70
34	Muntohir	49	5	1	0.80
35	Kasiono	44	6	1	0.80
36	M. Amin	33	3	1	0.81
37	Hendik	33	3	5	1.00
38	Murtaji	52	7	2	1.00
39	Nur Rohim	46	2	2	1.00

40	Markuat	57	6	2	1.00
41	Suwargo	58	7	4	1.00
42	Muzayin	44	4	1	0.38
43	Suwanan	60	5	1	1.03
44	Samid	43	4	3	1.07
45	M. Jaiz	70	6	1	1.11
46	Asrofin	45	4	5	1.15
47	Kholiq Idris	38	4	5	1.30
48	Kasnawi	35	3	1	1.40
49	Ja'far	35	6	5	1.47
50	Erna	31	3	5	1.50
51	Agus Rozi	44	5	1	0.50
52	Mat Qadir	41	3	1	0.80
53	Sulkan	39	4	1	0.50
54	Kasdim	61	3	1	1.70
55	Samiin	45	7	2	2.70
56	Yasnan	80	2	0	3.20
57	Matraji	55	6	1	4.50
58	Restan	67	3	1	0.41
59	Jari	55	3	1	0.42
60	Sujai	59	3	1	1.38
61	Usman	65	3	3	1.31
62	Karso	65	3	1	1.36

**Lampiran 4. Data Produksi Usahatani Jagung Petani Responden di Desa
Sendangagung Musim Tanam 2016**

No.	Nama	Luas Lahan (ha)	PROD (kg)
1	Kartasih	0.10	800.00
2	Karjo	0.13	900.00
3	Anwar	0.14	400.00
4	Salekah	0.15	1200.00
5	Mustaji	0.15	760.00
6	Sarkimin	0.19	850.00
7	Dohir	0.20	600.00
8	Darmunit	0.20	800.00
9	Markamah	0.20	800.00
10	Sukadi	0.20	600.00
11	M. Anam	0.21	450.00
12	Samiaji	0.22	500.00
13	Sukarni	0.22	400.00
14	Umi Salamah	0.22	600.00
15	Karmaun	0.27	250.00
16	Sulasmi	0.30	400.00
17	M. Solih	0.44	800.00
18	H. Ruslan	0.44	500.00
19	Khoirul Fatihin	0.45	700.00
20	Marwan	0.49	1000.00
21	Mat Trubus	0.30	1000.00
22	Muslan P. Hari	0.40	1400.00
23	Siti Khotimah	0.50	400.00
24	Mukahar	0.51	400.00
25	M. Muqim	0.56	850.00
26	Hj. Rosminah	0.60	1000.00
27	Sholihah	0.64	1400.00
28	Slamet	0.64	2100.00
29	Nyasuan	0.66	2800.00
30	M. Alimun	0.66	1600.00
31	Warkiyasih	0.70	1600.00
32	Uliyaton	0.70	1900.00
33	Alimi	0.70	1300.00
34	Muntohir	0.80	1200.00
35	Kasiono	0.80	2200.00
36	M. Amin	0.81	1500.00
37	Hendik	1.00	7000.00
38	Murtaji	1.00	2400.00
39	Nur Rohim	1.00	1900.00

40	Markuat	1.00	1200.00
41	Suwargo	1.00	1300.00
42	Muzayin	0.38	500.00
43	Suwanan	1.03	4000.00
44	Samid	1.07	1800.00
45	M. Jaiz	1.11	2000.00
46	Asrofin	1.15	2000.00
47	Kholiq Idris	1.30	3100.00
48	Kasnawi	1.40	2200.00
49	Ja'far	1.47	3500.00
50	Erna	1.50	10000.00
51	Agus Rozi	0.50	900.00
52	Mat Qadir	0.80	2100.00
53	Sulkan	0.50	500.00
54	Kasdim	1.70	3000.00
55	Samiin	2.70	5300.00
56	Yasnan	3.20	7200.00
57	Matraji	4.50	6000.00
58	Restan	0.41	2000.00
59	Jari	0.42	1800.00
60	Sujai	1.38	3400.00
61	Usman	1.31	1000.00
62	Karso	1.36	2100.00

Lampiran 5. Hasil Pendugaan Fungsi Produksi

Dependent Variable: PROD

Method: Least Squares

Date: 01/15/18 Time: 14:53

Sample: 1 62

Included observations: 62

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.662104	1.352471	3.447101	0.0011
LUS	0.067308	0.195128	0.344943	0.7315
BNH	0.604929	0.125709	4.812145	0.0000
PO	-0.086717	0.155895	-0.556256	0.5803
PK	0.165566	0.090948	1.820460	0.0741
HERB	-0.056249	0.069972	-0.803891	0.4249
TK	0.353556	0.115501	3.061055	0.0034
R-squared	0.796860	Mean dependent var		7.165510
Adjusted R-squared	0.774700	S.D. dependent var		0.820038
S.E. of regression	0.389238	Akaike info criterion		1.056753
Sum squared resid	8.332839	Schwarz criterion		1.296914
Log likelihood	-25.75935	Hannan-Quinn criter.		1.151046
F-statistic	35.95828	Durbin-Watson stat		1.765654
Prob(F-statistic)	0.000000			

Lampiran 6. Hasil Pendugaan Fungsi Risiko Produksi

Dependent Variable: RES

Method: Least Squares

Date: 01/15/18 Time: 14:57

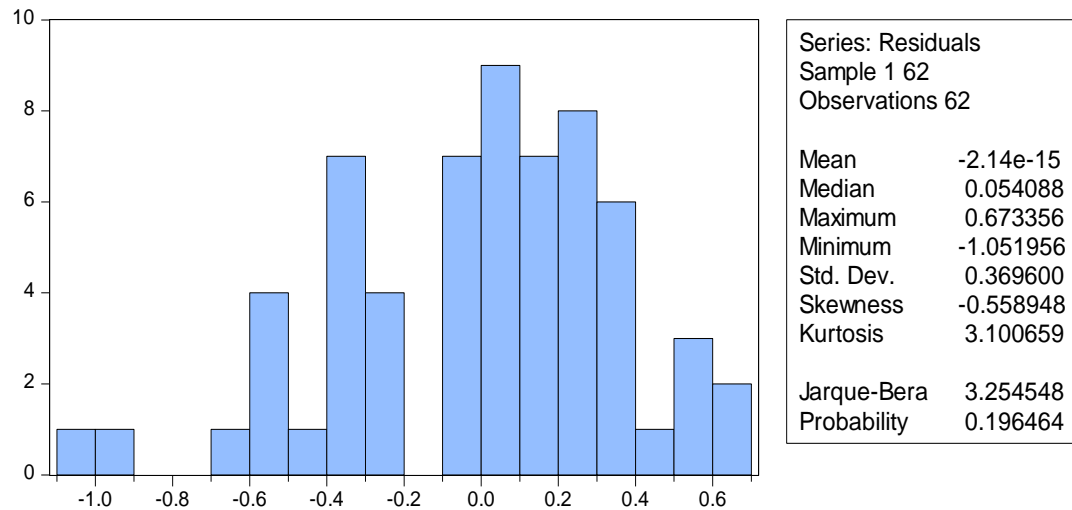
Sample: 1 62

Included observations: 62

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.484580	0.805977	-0.601233	0.5502
LUS	-0.088175	0.116282	-0.758287	0.4515
BNH	0.023186	0.074913	0.309510	0.7581
PO	0.104145	0.092902	1.121020	0.2672
PK	-0.000847	0.054198	-0.015623	0.9876
HERB	0.027527	0.041698	0.660146	0.5119
TK	-0.012696	0.068831	-0.184457	0.8543
R-squared	0.048665	Mean dependent var		0.290223
Adjusted R-squared	-0.055117	S.D. dependent var		0.225818
S.E. of regression	0.231958	Akaike info criterion		0.021486
Sum squared resid	2.959254	Schwarz criterion		0.261647
Log likelihood	6.333927	Hannan-Quinn criter.		0.115779
F-statistic	0.468912	Durbin-Watson stat		1.935815
Prob(F-statistic)	0.828392			

Lampiran 7. Uji Asumsi Klasik

Uji Normalitas



Uji Heteroskedastisitas

Heteroskedasticity Test: Breusch-Pagan-Godfrey

F-statistic	0.515154	Prob. F(6,55)	0.7943
Obs*R-squared	3.298922	Prob. Chi-Square(6)	0.7705
Scaled explained SS	2.726714	Prob. Chi-Square(6)	0.8423

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 01/15/18 Time: 15:05

Sample: 1 62

Included observations: 62

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.342053	0.699252	-0.489170	0.6267
LUS	-0.045085	0.100885	-0.446892	0.6567
BNH	0.030141	0.064994	0.463748	0.6447
PO	0.058275	0.080600	0.723013	0.4727
PK	0.019705	0.047022	0.419058	0.6768
HERB	0.021884	0.036177	0.604921	0.5477
TK	-0.035140	0.059716	-0.588453	0.5586

R-squared	0.053208	Mean dependent var	0.134401
Adjusted R-squared	-0.050078	S.D. dependent var	0.196386
S.E. of regression	0.201243	Akaike info criterion	-0.262602
Sum squared resid	2.227431	Schwarz criterion	-0.022442
Log likelihood	15.14067	Hannan-Quinn criter.	-0.168309
F-statistic	0.515154	Durbin-Watson stat	1.969955
Prob(F-statistic)	0.794310		

Lampiran 8. Uji Regresi

Dependent Variable: PROD

Method: Least Squares

Date: 01/15/18 Time: 14:53

Sample: 1 62

Included observations: 62

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.662104	1.352471	3.447101	0.0011
LUS	0.067308	0.195128	0.344943	0.7315
BNH	0.604929	0.125709	4.812145	0.0000
PO	-0.086717	0.155895	-0.556256	0.5803
PK	0.165566	0.090948	1.820460	0.0741
HERB	-0.056249	0.069972	-0.803891	0.4249
TK	0.353556	0.115501	3.061055	0.0034
R-squared	0.796860	Mean dependent var		7.165510
Adjusted R-squared	0.774700	S.D. dependent var		0.820038
S.E. of regression	0.389238	Akaike info criterion		1.056753
Sum squared resid	8.332839	Schwarz criterion		1.296914
Log likelihood	-25.75935	Hannan-Quinn criter.		1.151046
F-statistic	35.95828	Durbin-Watson stat		1.765654
Prob(F-statistic)	0.000000			

**Lampiran 9. Preferensi Petani terhadap Risiko Produksi Jagung di Desa
Sendangagung**

No.	Nama	Preferensi
1	Kartasih	RS
2	Karjo	RS
3	Anwar	RA
4	Salekah	RS
5	Mustaji	RS
6	Sarkimin	RS
7	Dohir	RA
8	Darmunit	RS
9	Markamah	RA
10	Sukadi	RS
11	M. Anam	RA
12	Samiaji	RS
13	Sukarni	RS
14	Umi Salamah	RA
15	Karmaun	RA
16	Sulasmi	RS
17	M. Solih	RA
18	H. Ruslan	RS
19	Khoirul Fatihin	RA
20	Marwan	RA
21	Mat Trubus	RA
22	Muslan P. Hari	RS
23	Siti Khotimah	RA
24	Mukahar	RA
25	M. Muqim	RA
26	Hj. Rosminah	RA
27	Sholihah	RA
28	Slamet	RS
29	Nyasuan	RA
30	M. Alimun	RS
31	Warkiyasih	RS
32	Uliyatun	RS
33	Alimi	RA
34	Muntohir	RS
35	Kasiono	RS
36	M. Amin	RA
37	Hendik	RS
38	Murtaji	RS
39	Nur Rohim	RS

40	Markuat	RA
41	Suwargo	RA
42	Muzayin	RA
43	Suwanan	RS
44	Samid	RA
45	M. Jaiz	RA
46	Asrofin	RA
47	Kholiq Idris	RS
48	Kasnawi	RA
49	Ja'far	RS
50	Erna	RS
51	Agus Rozi	RA
52	Mat Qadir	RA
53	Sulkan	RA
54	Kasdim	RA
55	Samiin	RA
56	Yasnan	RA
57	Matraji	RA
58	Restan	RS
59	Jari	RA
60	Sujai	RA
61	Usman	RA
62	Karso	RA

**Lampiran 10. Prosedur Perhitungan Preferensi Risiko Produksi Petani
terhadap Benih**

No.	Nama	HJ	HBNH	w-HBNH	f-BNH	h-BNH	01-BNH
1	Kartasih	3500.00	68000.00	19.42857143	96.78864	1.350414	-
2	Karjo	3500.00	73000.00	20.85714286	98.9883818	0.410233	-
3	Anwar	3500.00	75000.00	21.42857143	241.9716	18.94685	-
4	Salekah	3500.00	73000.00	20.85714286	181.4787	2.909856	-
5	Mustaji	3500.00	68000.00	19.42857143	153.24868	4.303431	-
6	Sarkimin	3500.00	72666.67	20.76190476	171.39655	2.470912	-
7	Dohir	3500.00	73000.00	20.85714286	181.4787	0.135995	-
8	Darmunit	3500.00	73000.00	20.85714286	161.3144	4.654423	-
9	Markamah	3500.00	70800.00	20.22857143	96.78864	2.794498	-
10	Sukadi	3500.00	73000.00	20.85714286	120.9858	1.652779	-
11	M. Anam	3500.00	68000.00	19.42857143	54.44361	4.761459	-
12	Samiaji	3500.00	68000.00	19.42857143	151.23225	4.535853	-
13	Sukarni	3500.00	73000.00	20.85714286	80.6572	3.115891	-
14	Umi Salamah	3500.00	75000.00	21.42857143	181.4787	3.099407	-
15	Karmaun	3500.00	75000.00	21.42857143	50.41075	13.20089	-
16	Sulasmi	3500.00	68000.00	19.42857143	161.3144	7.921327	-
17	M. Solih	3500.00	73000.00	20.85714286	80.6572	1.951996	-
18	H. Ruslan	3500.00	73000.00	20.85714286	60.4929	2.347338	-
19	Khoirul Fatihin	3500.00	95000.00	27.14285714	84.69006	2.414033	-
20	Marwan	3500.00	73000.00	20.85714286	100.8215	2.849724	-
21	Mat Trubus	3500.00	68000.00	19.42857143	120.9858	0.573747	-
22	Muslan P. Hari	3500.00	68000.00	19.42857143	84.69006	0.319538	-
23	Siti Khotimah	3500.00	68000.00	19.42857143	96.78864	5.275059	-

24	Mukahar	3500.00	81666.67	23.33333333	80.6572	7.344471	7.8050372	-
25	M. Muqim	3500.00	75000.00	21.42857143	171.39655	0.878071	170.79249	-
26	Hj. Rosminah	3500.00	75000.00	21.42857143	151.23225	0.342308	379.20156	-
27	Sholihah	3500.00	75000.00	21.42857143	169.38012	0.481823	307.06605	-
28	Slamet	3500.00	69866.67	19.96190476	169.38012	0.658042	227.06494	-
29	Nyasuan	3500.00	73000.00	20.85714286	211.72515	2.05439	92.907366	-
30	M. Alimun	3500.00	95000.00	27.14285714	96.78864	0.305944	227.64225	-
31	Warkiyasih	3500.00	68000.00	19.42857143	161.3144	1.49372	94.988219	-
32	Uliyaton	3500.00	68000.00	19.42857143	143.670638	2.087047	59.530071	-
33	Alimi	3500.00	68000.00	19.42857143	157.28154	2.832507	48.668175	-
34	Muntohir	3500.00	69555.56	19.87301587	80.6572	1.896435	32.051821	-
35	Kasiono	3500.00	71250.00	20.35714286	166.355475	0.324655	449.70327	-
36	M. Amin	3500.00	73000.00	20.85714286	106.752176	0.214884	399.72796	-
37	Hendik	3500.00	73000.00	20.85714286	169.38012	0.874078	169.91968	-
38	Murtaji	3500.00	73000.00	20.85714286	290.36592	5.635465	47.823701	-
39	Nur Rohim	3500.00	69076.92	19.73626374	88.4127	0.142259	482.75727	-
40	Markuat	3500.00	68000.00	19.42857143	145.18296	0.255348	492.48143	-
41	Suwargo	3500.00	73000.00	20.85714286	78.64077	1.368495	42.224201	-
42	Muzayin	3500.00	68000.00	19.42857143	86.4184286	7.224539	-9.272544	-
43	Suwanan	3500.00	80416.67	22.97619048	201.643	2.130108	83.876886	-
44	Samid	3500.00	75000.00	21.42857143	155.553171	1.408813	95.203982	-
45	M. Jaiz	3500.00	73000.00	20.85714286	201.643	1.055384	171.29864	-
46	Asrofin	3500.00	75000.00	21.42857143	120.9858	0.01804	5518.5463	-
47	Kholiq Idris	3500.00	68000.00	19.42857143	156.273325	1.143335	119.68912	-
48	Kasnawi	3500.00	68000.00	19.42857143	88.72292	1.058771	65.447924	-
49	Ja'far	3500.00	68000.00	19.42857143	235.250167	2.565741	84.116673	-

50	Erna	3500.00	68000.00	19.42857143	201.643	0.968044	188.22954	-
51	Agus Rozi	3500.00	73000.00	20.85714286	120.9858	0.472541	211.89406	-
52	Mat Qadir	3500.00	68000.00	19.42857143	158.793863	2.09652	66.474594	-
53	Sulkan	3500.00	68000.00	19.42857143	67.2143333	5.497635	8.6920587	-
54	Kasdim	3500.00	68000.00	19.42857143	139.599	0.365405	328.86871	-
55	Samiin	3500.00	69166.67	19.76190476	267.176975	0.970552	254.92194	-
56	Yasnan	3500.00	75000.00	21.42857143	217.77444	0.072235	2718.1579	-
57	Matraji	3500.00	68000.00	19.42857143	120.9858	0.616232	164.80359	-
58	Restan	3500.00	68000.00	19.42857143	241.9716	1.939794	114.72506	-
59	Jari	3500.00	68000.00	19.42857143	217.77444	3.41754	58.037616	-
60	Sujai	3500.00	68000.00	19.42857143	137.11724	0.173433	678.58141	-
61	Usman	3500.00	68000.00	19.42857143	40.3286	3.024697	-6.909792	-
62	Karso	3500.00	68000.00	19.42857143	79.3969313	1.655623	-36.22102	-

**Lampiran 11. Prosedur Perhitungan Preferensi Risiko Produksi Petani
terhadap Pupuk Kandang**

No.	Nama	HJ	HPO	w-PO	f-NPO	h-NPO	θ1-NPO
1	Kartasih	3500.00	300.00	0.085714286	0.3854089	9.06E-05	5201.22795
2	Karjo	3500.00	300.00	0.085714286	0.3251888	2.27E-05	18100.6142
3	Anwar	3500.00	300.00	0.085714286	0.1445283	0.000191	1207.80202
4	Salekah	3500.00	300.00	0.085714286	-0.433585	0.000117	4434.38391
5	Mustaji	3500.00	300.00	0.085714286	0.2746038	0.00013	2773.93956
6	Sarkimin	3500.00	300.00	0.085714286	-0.263248	6.39E-05	5458.75741
7	Dohir	3500.00	300.00	0.085714286	0.1445283	1.82E-06	126203.592
8	Darmunit	3500.00	300.00	0.085714286	0.1541636	7.49E-05	3201.48387
9	Markamah	3500.00	300.00	0.085714286	0.1387472	6.75E-05	3326.39408
10	Sukadi	3500.00	300.00	0.085714286	0.1156227	2.66E-05	7567.20879
11	M. Anam	3500.00	300.00	0.085714286	0.1083963	0.00016	1215.56242
12	Samiaji	3500.00	300.00	0.085714286	0.0963522	4.87E-05	3740.15308
13	Sukarni	3500.00	300.00	0.085714286	0.0770818	5.02E-05	3245.55284
14	Umi Salamah	3500.00	300.00	0.085714286	0.1156227	3.33E-05	6052.89587
15	Karmaun	3500.00	300.00	0.085714286	0.0361321	0.000159	764.495697
16	Sulasmi	3500.00	300.00	0.085714286	0.0578113	4.78E-05	3001.42304
17	M. Solih	3500.00	300.00	0.085714286	0.0770818	3.14E-05	5180.74126
18	H. Ruslan	3500.00	300.00	0.085714286	0.0481761	3.15E-05	4251.88953
19	Khoirul Fatihin	3500.00	300.00	0.085714286	0.0674466	3.24E-05	4729.47266
20	Marwan	3500.00	300.00	0.085714286	0.0963522	4.59E-05	3968.75439
21	Mat Trubus	3500.00	300.00	0.085714286	0.2890567	2.31E-05	16230.5222
22	Muslan P. Hari	3500.00	300.00	0.085714286	0.2023397	1.29E-05	22399.4769
23	Siti Khotimah	3500.00	300.00	0.085714286	0.0462491	4.25E-05	3108.0141
24	Mukahar	3500.00	300.00	0.085714286	0.0533643	8.19E-05	1699.13402

25	M. Muqim	3500.00	300.00	0.085714286	0.0982793	8.48E-06	21694.4478
26	Hj. Rosminah	3500.00	300.00	0.085714286	0.1156227	4.41E-06	45671.3261
27	Sholihah	3500.00	300.00	0.085714286	0.1517548	7.27E-06	32656.9039
28	Slamet	3500.00	300.00	0.085714286	0.2023397	1.32E-05	21753.9115
29	Nyasuan	3500.00	300.00	0.085714286	0.1618717	2.65E-05	9357.93752
30	M. Alimun	3500.00	300.00	0.085714286	0.0924981	4.93E-06	36184.5358
31	Warkiyasih	3500.00	300.00	0.085714286	0.0895143	1.4E-05	12550.237
32	Uliyaton	3500.00	300.00	0.085714286	0.1830692	4.48E-05	6000.1018
33	Alimi	3500.00	300.00	0.085714286	0.2505158	7.6E-05	4424.29154
34	Muntohir	3500.00	300.00	0.085714286	0.1156227	4.58E-05	4396.64449
35	Kasiono	3500.00	300.00	0.085714286	0.2725391	8.96E-06	39986.3996
36	M. Amin	3500.00	300.00	0.085714286	0.1445283	4.9E-06	46983.0834
37	Hendik	3500.00	300.00	0.085714286	0.4046793	3.52E-05	13940.6121
38	Murtaji	3500.00	300.00	0.085714286	0.1156227	3.78E-05	5326.3782
39	Nur Rohim	3500.00	300.00	0.085714286	0.0998559	2.71E-06	68565.5082
40	Markuat	3500.00	300.00	0.085714286	-0.173434	5.14E-06	50435.0012
41	Suwargo	3500.00	300.00	0.085714286	0.0626289	1.84E-05	8080.39562
42	Muzayin	3500.00	300.00	0.085714286	0.0722642	0.000102	1552.4108
43	Suwanan	3500.00	300.00	0.085714286	0.1541636	2.74E-05	8744.31036
44	Samid	3500.00	300.00	0.085714286	-0.086717	1.32E-05	13033.8569
45	M. Jaiz	3500.00	300.00	0.085714286	0.0963522	8.49E-06	21432.6817
46	Asrofin	3500.00	300.00	0.085714286	0.0825876	2.07E-07	811327.062
47	Kholiq Idris	3500.00	300.00	0.085714286	0.1033933	1.27E-05	14841.0085
48	Kasnawi	3500.00	300.00	0.085714286	0.0733759	1.47E-05	10785.9734
49	Ja'far	3500.00	300.00	0.085714286	0.1264623	2.32E-05	9132.48789
50	Erna	3500.00	300.00	0.085714286	0.3613208	2.92E-05	15299.3295
51	Agus Rozi	3500.00	300.00	0.085714286	-0.086717	5.71E-06	30223.3219

52	Mat Qadir	3500.00	300.00	0.085714286	- 0.1214038	2.7E-05	7671.07286
53	Sulkan	3500.00	300.00	0.085714286	- 0.0289057	3.98E-05	2878.0534
54	Kasdim	3500.00	300.00	0.085714286	- 0.1445283	6.37E-06	36130.6319
55	Samiin	3500.00	300.00	0.085714286	- -0.09575	5.86E-06	30971.9113
56	Yasnan	3500.00	300.00	0.085714286	- 0.1156227	6.46E-07	311656.305
57	Matraji	3500.00	300.00	0.085714286	- 0.0722642	6.2E-06	25480.0727
58	Restan	3500.00	300.00	0.085714286	- 0.6423481	8.67E-05	8393.48679
59	Jari	3500.00	300.00	0.085714286	- -0.520302	0.000138	4406.13397
60	Sujai	3500.00	300.00	0.085714286	- 0.0982793	2.09E-06	87868.9935
61	Usman	3500.00	300.00	0.085714286	- 0.0481761	6.09E-05	2199.80665
62	Karso	3500.00	300.00	0.085714286	- 0.1214038	4.26E-05	4856.94904

**Lampiran 12. Prosedur Perhitungan Preferensi Risiko Produksi Petani
terhadap Pupuk Kimia**

No.	Nama	HJ	HPPK	w-HPPK	f-NPPK	h-NPPK	01-NPPK
1	Kartasih	3500.00	4675.00	1.335714286	1.324528	0.000163	68.6095897
2	Karjo	3500.00	4675.00	1.335714286	1.490094	-4.4E-07	348407.879
3	Anwar	3500.00	4675.00	1.335714286	0.662264	-3.7E-06	-180991.99
4	Salekah	3500.00	4675.00	1.335714286	1.324528	-1.5E-06	-7340.6836
5	Mustaji	3500.00	4675.00	1.335714286	1.2583016	-2.5E-06	-30532.812
6	Sarkimin	3500.00	4675.00	1.335714286	1.407311	-1.5E-06	49181.9033
7	Dohir	3500.00	4675.00	1.335714286	0.993396	-5.3E-08	-6408680.4
8	Darmunit	3500.00	4675.00	1.335714286	1.76603733	-3.7E-06	117695.418
9	Markamah	3500.00	4675.00	1.335714286	0.88301867	-1.8E-06	-247465.37
10	Sukadi	3500.00	4675.00	1.335714286	1.324528	-1.3E-06	-8615.9248
11	M. Anam	3500.00	4675.00	1.335714286	0.745047	-4.7E-06	-126334.97
12	Samiaji	3500.00	4675.00	1.335714286	1.65566	-3.6E-06	89794.165
13	Sukarni	3500.00	4675.00	1.335714286	2.649056	-7.3E-06	178856.625
14	Umi Salamah	3500.00	4675.00	1.335714286	0.993396	-1.2E-06	-281198.05
15	Karmaun	3500.00	4675.00	1.335714286	0.55188667	-1E-05	-75587.162
16	Sulasmi	3500.00	4675.00	1.335714286	1.47169778	-5.2E-06	26224.0794
17	M. Solih	3500.00	4675.00	1.335714286	1.324528	-2.3E-06	-4863.472
18	H. Ruslan	3500.00	4675.00	1.335714286	2.75943333	-7.7E-06	185306.477
19	Khoirul Fatihin	3500.00	4675.00	1.335714286	1.158962	-2.4E-06	-74566.287
20	Marwan	3500.00	4675.00	1.335714286	0.662264	-1.3E-06	-501397.56
21	Mat Trubus	3500.00	4675.00	1.335714286	1.10377333	-3.8E-07	-617545.59
22	Muslan P. Hari	3500.00	4675.00	1.335714286	2.317924	-6.3E-07	1565207.88
23	Siti Khotimah	3500.00	4675.00	1.335714286	1.324528	-5.2E-06	-2159.6298
24	Mukahar	3500.00	4675.00	1.335714286	0.662264	-4.3E-06	-155637.61
25	M. Muqim	3500.00	4675.00	1.335714286	1.407311	-5.2E-07	138398.963
26	Hj. Rosminah	3500.00	4675.00	1.335714286	0.662264	-1.1E-07	-6261226.7
27	Sholihah	3500.00	4675.00	1.335714286	0.77264133	-1.6E-07	-3570417.2
28	Slamet	3500.00	4675.00	1.335714286	1.738443	-4.8E-07	831033.66
29	Nyasuan	3500.00	4675.00	1.335714286	1.158962	-8.1E-07	-219049.77
30	M. Alimun	3500.00	4675.00	1.335714286	1.76603733	-4E-07	1074322.47
31	Warkiyasih	3500.00	4675.00	1.335714286	1.324528	-8.8E-07	-12711.188
32	Uliyatun	3500.00	4675.00	1.335714286	1.2583016	-1.3E-06	-59022.914
33	Alimi	3500.00	4675.00	1.335714286	1.43490533	-1.9E-06	53495.0295
34	Muntohir	3500.00	4675.00	1.335714286	1.986792	-3.4E-06	194242.024
35	Kasiono	3500.00	4675.00	1.335714286	2.42830133	-3.4E-07	3213114.69
36	M. Amin	3500.00	4675.00	1.335714286	1.241745	-1.8E-07	-523943.22
37	Hendik	3500.00	4675.00	1.335714286	4.635848	-1.7E-06	1922526.5
38	Murtaji	3500.00	4675.00	1.335714286	1.986792	-2.8E-06	235317.293
39	Nur Rohim	3500.00	4675.00	1.335714286	1.572877	-1.8E-07	1306005.13

40	Markuat	3500.00	4675.00	1.335714286	0.7947168	-1E-07	-5394146.2
41	Suwargo	3500.00	4675.00	1.335714286	0.71745267	-9E-07	-690145.95
42	Muzayin	3500.00	4675.00	1.335714286	0.413915	-2.5E-06	-371260.66
43	Suwanan	3500.00	4675.00	1.335714286	1.47169778	-1.1E-06	121900.821
44	Samid	3500.00	4675.00	1.335714286	0.993396	-6.5E-07	-530262.29
45	M. Jaiz	3500.00	4675.00	1.335714286	1.324528	-5E-07	-22488.209
46	Asrofin	3500.00	4675.00	1.335714286	1.10377333	-1.2E-08	-19639994
47	Kholiq Idris	3500.00	4675.00	1.335714286	1.2831365	-6.7E-07	-78054.565
48	Kasnawi	3500.00	4675.00	1.335714286	0.910613	-7.8E-07	-545192.62
49	Ja'far	3500.00	4675.00	1.335714286	2.317924	-1.8E-06	541476.573
50	Erna	3500.00	4675.00	1.335714286	12.7358462	-4.4E-06	2598530.12
51	Agus Rozi	3500.00	4675.00	1.335714286	0.42574114	-1.2E-07	-7626675.2
52	Mat Qadir	3500.00	4675.00	1.335714286	1.158962	-1.1E-06	-160986.01
53	Sulkan	3500.00	4675.00	1.335714286	0.331132	-1.9E-06	-516925.44
54	Kasdim	3500.00	4675.00	1.335714286	0.82783	-1.6E-07	-3266543
55	Samiin	3500.00	4675.00	1.335714286	0.8774998	-2.3E-07	-2003361.8
56	Yasnan	3500.00	4675.00	1.335714286	0.7947168	-1.9E-08	-28602249
57	Matraji	3500.00	4675.00	1.335714286	0.496698	-1.8E-07	-4621955
58	Restan	3500.00	4675.00	1.335714286	1.65566	-9.5E-07	335947.436
59	Jari	3500.00	4675.00	1.335714286	0.85148229	-9.6E-07	-505043.39
60	Sujai	3500.00	4675.00	1.335714286	0.5629244	-5.1E-08	-15126144
61	Usman	3500.00	4675.00	1.335714286	0.165566	-8.9E-07	-1313283.5
62	Karso	3500.00	4675.00	1.335714286	0.579481	-8.7E-07	-872200.47

**Lampiran 13. Prosedur Perhitungan Preferensi Risiko Produksi Petani
terhadap Herbisida**

No.	Nama	HJ	HFIH	w-HFIH	f-NFIH	h-NFIH	01-NFIH
1	Kartasih	3500.00	59750.00	17.07142857	-44.9992	0.004309	14403.386
2	Karjo	3500.00	59750.00	17.07142857	-50.6241	0.00144	47009.1335
3	Anwar	3500.00	59750.00	17.07142857	-22.4996	0.012093	3272.31931
4	Salekah	3500.00	59750.00	17.07142857	-67.4988	0.007429	11384.1699
5	Mustaji	3500.00	59750.00	17.07142857	-42.74924	0.00824	7259.89693
6	Sarkimin	3500.00	59750.00	17.07142857	-	0.002366	17322.4617
7	Dohir	3500.00	59750.00	17.07142857	-33.7494	0.000174	292755.311
8	Darmunit	3500.00	59750.00	17.07142857	-44.9992	0.008912	6964.89154
9	Markamah	3500.00	59750.00	17.07142857	-44.9992	0.008918	6960.29339
10	Sukadi	3500.00	59750.00	17.07142857	-33.7494	0.003165	16059.0923
11	M. Anam	3500.00	59750.00	17.07142857	-25.31205	0.015195	2789.34219
12	Samiaji	3500.00	59750.00	17.07142857	-28.1245	0.00579	7805.94804
13	Sukarni	3500.00	59750.00	17.07142857	-22.4996	0.005966	6632.68163
14	Umi Salamah	3500.00	59750.00	17.07142857	-33.7494	0.003956	12845.4251
15	Karmaun	3500.00	59750.00	17.07142857	-14.06225	0.025276	1231.74606
16	Sulasmi	3500.00	59750.00	17.07142857	-22.4996	0.007584	5217.99206
17	M. Solih	3500.00	59750.00	17.07142857	-44.9992	0.007475	8303.69099
18	H. Ruslan	3500.00	59750.00	17.07142857	-28.1245	0.007491	6033.49406
19	Khoirul Fatihin	3500.00	59750.00	17.07142857	-39.3743	0.007704	7327.1164
20	Marwan	3500.00	59750.00	17.07142857	-	0.000992	22362.1112
21	Mat Trubus	3500.00	59750.00	17.07142857	-28.1245	0.000915	49368.9815
22	Muslan P. Hari	3500.00	59750.00	17.07142857	-7.87486	0.000204	122320.225
23	Siti Khotimah	3500.00	59750.00	17.07142857	-11.2498	0.004208	6729.61165
24	Mukahar	3500.00	59750.00	17.07142857	-11.2498	0.007031	4027.87158
25	M. Muqim	3500.00	59750.00	17.07142857	-	0.00042	69053.649
26	Hj. Rosminah	3500.00	59750.00	17.07142857	-28.1245	0.000437	103435.048
27	Sholihah	3500.00	59750.00	17.07142857	-39.3743	0.000769	73420.7223
28	Slamet	3500.00	59750.00	17.07142857	-118.1229	0.00315	42919.9319
29	Nyasuan	3500.00	59750.00	17.07142857	-31.49944	0.002098	23151.9823
30	M. Alimun	3500.00	59750.00	17.07142857	-22.4996	0.000488	81060.7566
31	Warkiyasih	3500.00	59750.00	17.07142857	-44.9992	0.00286	21702.5566
32	Uliyaton	3500.00	59750.00	17.07142857	-	0.001332	22845.0994
33	Alimi	3500.00	59750.00	17.07142857	-73.1237	0.009039	9978.31717
34	Muntohir	3500.00	59750.00	17.07142857	-33.7494	0.005447	9330.53678
35	Kasiono	3500.00	59750.00	17.07142857	-	0.000237	146741.302

36	M. Amin	3500.00	59750.00	17.07142857	-84.3735	0.001166	87020.82
37	Hendik	3500.00	59750.00	17.07142857	26.249533	0.00093	46592.3555
38	Murtaji	3500.00	59750.00	17.07142857	-134.9976	0.017984	8455.83145
39	Nur Rohim	3500.00	59750.00	17.07142857	8.2210077	9.08E-05	278565.301
40	Markuat	3500.00	59750.00	17.07142857	-16.8747	0.000204	166633.467
41	Suwargo	3500.00	59750.00	17.07142857	-73.1237	0.008734	10326.5443
42	Muzayin	3500.00	59750.00	17.07142857	-5.6249	0.003228	7031.73842
43	Suwanan	3500.00	59750.00	17.07142857	-22.4996	0.001631	24255.4756
44	Samid	3500.00	59750.00	17.07142857	-33.7494	0.002098	24222.9435
45	M. Jaiz	3500.00	59750.00	17.07142857	-56.249	0.002021	36283.442
46	Asrofin	3500.00	59750.00	17.07142857	37.499333	3.84E-05	1421832.54
47	Kholiq Idris	3500.00	59750.00	17.07142857	-87.18595	0.004378	23812.0808
48	Kasnawi	3500.00	59750.00	17.07142857	-61.8739	0.005068	15576.8098
49	Ja'far	3500.00	59750.00	17.07142857	-196.8715	0.014738	14516.3657
50	Erna	3500.00	59750.00	17.07142857	187.49667	0.006178	33109.9261
51	Agus Rozi	3500.00	59750.00	17.07142857	-50.6241	0.001357	49879.6211
52	Mat Qadir	3500.00	59750.00	17.07142857	29.530725	0.002676	17413.7516
53	Sulkan	3500.00	59750.00	17.07142857	-14.06225	0.007895	3943.54989
54	Kasdim	3500.00	59750.00	17.07142857	-84.3735	0.001516	66920.1973
55	Samiin	3500.00	59750.00	17.07142857	11.924788	0.000297	97520.617
56	Yasnan	3500.00	59750.00	17.07142857	-404.9928	0.000922	457737.776
57	Matraji	3500.00	59750.00	17.07142857	-22.4996	0.000787	50305.8452
58	Restan	3500.00	59750.00	17.07142857	-56.249	0.003095	23688.8815
59	Jari	3500.00	59750.00	17.07142857	-33.7494	0.003635	13979.5981
60	Sujai	3500.00	59750.00	17.07142857	23.905825	0.000208	197435.011
61	Usman	3500.00	59750.00	17.07142857	8.0355714	0.004137	6069.24937
62	Karso	3500.00	59750.00	17.07142857	13.124767	0.001879	16074.1694

**Lampiran 14. Prosedur Perhitungan Preferensi Risiko Produksi Petani
terhadap Tenaga Kerja**

No.	Nama	HJ	HTK	w-HTK	f-TK	h-TK	01-TK
1	Kartasih	3500.00	60000.00	17.14285714	35.3556	0.00025	73305.3662
2	Karjo	3500.00	60000.00	17.14285714	24.4769538	-5.1E-05	143550.337
3	Anwar	3500.00	60000.00	17.14285714	17.6778	-0.0007	767.304394
4	Salekah	3500.00	60000.00	17.14285714	19.2848727	0.00016	13753.7505
5	Mustaji	3500.00	60000.00	17.14285714	24.4275055	0.00035	21084.9433
6	Sarkimin	3500.00	60000.00	17.14285714	12.521775	-9.1E-05	-50825.735
7	Dohir	3500.00	60000.00	17.14285714	7.5762	-2.9E-06	-3345594.1
8	Darmunit	3500.00	60000.00	17.14285714	18.85632	0.00027	6252.967
9	Markamah	3500.00	60000.00	17.14285714	9.75326897	0.00014	-52101.665
10	Sukadi	3500.00	60000.00	17.14285714	17.6778	0.00012	4398.04696
11	M. Anam	3500.00	60000.00	17.14285714	13.25835	0.00058	-6651.4195
12	Samiaji	3500.00	60000.00	17.14285714	13.5983077	0.00021	-17255.308
13	Sukarni	3500.00	60000.00	17.14285714	8.8389	0.00017	-48284.625
14	Umi Salamah	3500.00	60000.00	17.14285714	11.1649263	-9.6E-05	-62244.817
15	Karmaun	3500.00	60000.00	17.14285714	4.65205263	0.00061	-20357.607
16	Sulasmi	3500.00	60000.00	17.14285714	14.14224	0.00035	-8578.8412
17	M. Solih	3500.00	60000.00	17.14285714	12.8565818	0.00016	-27351.412
18	H. Ruslan	3500.00	60000.00	17.14285714	12.627	0.00025	-18299.102
19	Khoirul Fatihin	3500.00	60000.00	17.14285714	11.7852	0.00017	-31665.634
20	Marwan	3500.00	60000.00	17.14285714	6.42829091	-9.2E-05	-117082.08
21	Mat Trubus	3500.00	60000.00	17.14285714	14.7315	-3.5E-05	-68531.401
22	Muslan P. Hari	3500.00	60000.00	17.14285714	14.5581882	-2.8E-05	-93426.081
23	Siti Khotimah	3500.00	60000.00	17.14285714	6.42829091	0.00018	-60720.755

24	Mukahar	3500.00	60000.00	17.14285714	7.07112	0.00032	-	-31057.027
25	M. Muqim	3500.00	60000.00	17.14285714	7.90848947	-2E-05	-	-452529.61
26	Hj. Rosminah	3500.00	60000.00	17.14285714	15.372	-1.8E-05	-	-101051.26
27	Sholihah	3500.00	60000.00	17.14285714	14.14224	-2E-05	-	-148090.83
28	Slamet	3500.00	60000.00	17.14285714	14.2782231	-2.8E-05	-	-102533.32
29	Nyasuan	3500.00	60000.00	17.14285714	19.0376308	-9.3E-05	-	20365.4941
30	M. Alimun	3500.00	60000.00	17.14285714	14.14224	-2.3E-05	-	-133271.07
31	Warkiyasih	3500.00	60000.00	17.14285714	16.6379294	-7.8E-05	-	-6507.2107
32	Uliyaton	3500.00	60000.00	17.14285714	33.58782	0.00025	-	66918.7616
33	Alimi	3500.00	60000.00	17.14285714	5.16430112	-4.7E-05	-	-255717.63
34	Muntohir	3500.00	60000.00	17.14285714	8.65851429	-0.0001	-	-82744.884
35	Kasiono	3500.00	60000.00	17.14285714	8.94049655	-8.8E-06	-	-933369.33
36	M. Amin	3500.00	60000.00	17.14285714	27.9123158	-2.8E-05	-	380568.005
37	Hendik	3500.00	60000.00	17.14285714	26.0514947	-6.8E-05	-	131568.579
38	Murtaji	3500.00	60000.00	17.14285714	23.5704	0.00023	-	27896.839
39	Nur Rohim	3500.00	60000.00	17.14285714	22.39188	-1.8E-05	-	289257.541
40	Markuat	3500.00	60000.00	17.14285714	14.14224	-1.3E-05	-	-239516.7
41	Suwargo	3500.00	60000.00	17.14285714	18.384912	0.00016	-	7708.05287
42	Muzayin	3500.00	60000.00	17.14285714	5.70251613	0.00024	-	-47646.36
43	Suwanan	3500.00	60000.00	17.14285714	33.672	0.00018	-	92262.2514
44	Samid	3500.00	60000.00	17.14285714	21.9448552	-0.0001	-	47970.6788
45	M. Jaiz	3500.00	60000.00	17.14285714	10.8786462	-2.9E-05	-	-218436.49
46	Asrofin	3500.00	60000.00	17.14285714	16.836	-1.3E-06	-	-242685.97
47	Kholiq Idris	3500.00	60000.00	17.14285714	30.4451	0.00011	-	118571.385
48	Kasnawi	3500.00	60000.00	17.14285714	12.1534875	-7.3E-05	-	-68302.989
49	Ja'far	3500.00	60000.00	17.14285714	25.780125	0.00014	-	60991.5345
50	Erna	3500.00	60000.00	17.14285714	27.1966154	-6.6E-05	-	152884.274

51	Agus Rozi	3500.00	60000.00	17.14285714	28.9273091	-5.7E-05	207089.084
52	Mat Qadir	3500.00	60000.00	17.14285714	30.93615	-	67049.8074
53	Sulkan	3500.00	60000.00	17.14285714	9.821	-0.0004	-18097.252
54	Kasdim	3500.00	60000.00	17.14285714	28.6667027	-3.8E-05	304921.466
55	Samiin	3500.00	60000.00	17.14285714	10.1289016	-1.9E-05	-378479.01
56	Yasnan	3500.00	60000.00	17.14285714	11.8953421	-2E-06	-2640569.8
57	Matraji	3500.00	60000.00	17.14285714	8.03536364	-2.1E-05	-441819.23
58	Restan	3500.00	60000.00	17.14285714	11.7852	-4.8E-05	-112592.04
59	Jari	3500.00	60000.00	17.14285714	27.6696	-0.0002	48133.2857
60	Sujai	3500.00	60000.00	17.14285714	21.8561891	-1.4E-05	338511.962
61	Usman	3500.00	60000.00	17.14285714	10.1016	-	-18452.378
62	Karso	3500.00	60000.00	17.14285714	7.98352258	-8.4E-05	-109237.72

**Lampiran 15. Prosedur Perhitungan Preferensi Petani terhadap Risiko
Produksi Jagung**

No.	Nama	HJ	$\sum \theta 1$	Rata $\theta 1$	Preferensi
1	Kartasih	3500.00	-92921.30	-18584.26071	RS
2	Karjo	3500.00	-556877.51	-111375.5015	RS
3	Anwar	3500.00	175756.20	35151.24045	RA
4	Salekah	3500.00	-22176.42	-4435.284309	RS
5	Mustaji	3500.00	-554.87	-110.9743724	RS
6	Sarkimin	3500.00	-21076.42	-4215.284883	RS
7	Dohir	3500.00	9336496.68	1867299.335	RA
8	Darmunit	3500.00	-134084.58	-26816.91673	RS
9	Markamah	3500.00	289307.74	57861.54815	RA
10	Sukadi	3500.00	-19347.84	-3869.568267	RS
11	M. Anam	3500.00	128988.84	25797.76818	RA
12	Samiaji	3500.00	-84055.90	-16811.18009	RS
13	Sukarni	3500.00	-140431.04	-28086.20854	RS
14	Umi Salamah	3500.00	324596.19	64919.23782	RA
15	Karmaun	3500.00	93950.72	18790.14464	RA
16	Sulasmi	3500.00	-25846.74	-5169.348273	RS
17	M. Solih	3500.00	18761.09	3752.217385	RA
18	H. Ruslan	3500.00	-177275.87	-35455.17461	RS
19	Khoirul Fatihin	3500.00	94199.17	18839.83418	RA
20	Marwan	3500.00	592176.84	118435.3677	RA
21	Mat Trubus	3500.00	620654.50	124130.8992	RA
22	Muslan P. Hari	3500.00	-1616297.27	-323259.4536	RS
23	Siti Khotimah	3500.00	53057.42	10611.48483	RA
24	Mukahar	3500.00	180975.43	36195.08672	RA
25	M. Muqim	3500.00	223553.34	44710.66833	RA
26	Hj. Rosminah	3500.00	6213550.84	1242710.168	RA
27	Sholihah	3500.00	3612737.49	722547.4972	RA
28	Slamet	3500.00	-792947.12	-158589.4238	RS
29	Nyasuan	3500.00	166267.27	33253.45351	RA
30	M. Alimun	3500.00	-1058069.06	-211613.8118	RS
31	Warkiyasih	3500.00	-14939.41	-2987.88139	RS
32	Uliyatun	3500.00	-36681.52	-7336.30367	RS
33	Alimi	3500.00	187868.66	37573.7315	RA
34	Muntohir	3500.00	-125192.27	-25038.45389	RS
35	Kasiono	3500.00	-2466023.35	-493204.6708	RS
36	M. Amin	3500.00	9771.04	1954.207825	RA
37	Hendik	3500.00	-2114458.13	-422891.6251	RS
38	Murtaji	3500.00	-276948.52	-55389.70364	RS
39	Nur Rohim	3500.00	-1941910.72	-388382.1442	RS

40	Markuat	3500.00	5417086.92	1083417.385	RA
41	Suwargo	3500.00	664073.18	132814.6362	RA
42	Muzayin	3500.00	410332.14	82066.4278	RA
43	Suwanan	3500.00	-247078.98	-49415.79632	RS
44	Samid	3500.00	445130.02	89026.0035	RA
45	M. Jaiz	3500.00	183379.88	36675.9751	RA
46	Asrofin	3500.00	17655038.47	3531007.694	RA
47	Kholiq Idris	3500.00	-79050.22	-15810.04407	RS
48	Kasnawi	3500.00	587198.27	117439.6546	RA
49	Ja'far	3500.00	-432964.15	-86592.83008	RS
50	Erna	3500.00	-20113.31	-4022.66239	RS
51	Agus Rozi	3500.00	7339695.12	1467939.023	RA
52	Mat Qadir	3500.00	68917.85	13783.57025	RA
53	Sulkan	3500.00	528209.78	105641.9554	RA
54	Kasdim	3500.00	2858899.54	571779.9079	RA
55	Samiin	3500.00	2253603.19	450720.6373	RA
56	Yasnan	3500.00	30476143.14	6095228.628	RA
57	Matraji	3500.00	4988153.10	997630.6207	RA
58	Restan	3500.00	-255323.04	-51064.607	RS
59	Jari	3500.00	438582.41	87716.48215	RA
60	Sujai	3500.00	14503006.81	2900601.362	RA
61	Usman	3500.00	1323473.75	264694.7491	RA
62	Karso	3500.00	960543.30	192108.6599	RA

Lampiran 16. Hasil Perhitungan Efisiensi Teknis Petani Responden

Output from the program FRONTIER (Version 4.1c)

instruction file = pcr-ins.txt

data file = pcr-dta.txt

Error Components Frontier (see B&C 1992)

The model is a production function

The dependent variable is logged

the ols estimates are :

	coefficient	standard-error	t-ratio
beta 0	0.46621043E+01	0.13524708E+01	0.34471017E+01
beta 1	0.67308064E-01	0.19512786E+00	0.34494338E+00
beta 2	0.60492866E+00	0.12570868E+00	0.48121472E+01
beta 3	-0.86717370E-01	0.15589465E+00	-0.55625624E+00
beta 4	0.16556629E+00	0.90947509E-01	0.18204598E+01
beta 5	-0.56249585E-01	0.69971536E-01	-0.80389238E+00
beta 6	0.35355576E+00	0.11550123E+00	0.30610563E+01

the final mle estimates are :

	coefficient	standard-error	t-ratio
beta 0	0.47370857E+01	0.12407497E+01	0.38179220E+01
beta 1	0.44697834E-01	0.17804747E+00	0.25104448E+00
beta 2	0.64297841E+00	0.96765280E-01	0.66447223E+01
beta 3	-0.21376541E-01	0.12632152E+00	-0.16922327E+00
beta 4	0.14289364E+00	0.84041036E-01	0.17002841E+01

beta 5 -0.54073456E-01 0.59706270E-01 -0.90565791E+00
beta 6 0.34494541E+00 0.10291483E+00 0.33517561E+01
sigma-squared 0.34267087E+00 0.97898910E-01 0.35002521E+01
gamma 0.93555893E+00 0.73753074E-01 0.12685016E+02

technical efficiency estimates :

firm	eff.-est.
1	0.78596012E+00
2	0.71499328E+00
3	0.91601005E+00
4	0.85224285E+00
5	0.86275471E+00
6	0.80196734E+00
7	0.69610160E+00
8	0.85702341E+00
9	0.49621975E+00
10	0.74433656E+00
11	0.40306136E+00
12	0.80565025E+00
13	0.53978948E+00
14	0.77865053E+00
15	0.28325023E+00
16	0.83618108E+00
17	0.50244439E+00
18	0.49090949E+00
19	0.50185192E+00
20	0.45799479E+00
21	0.65457587E+00
22	0.60637349E+00
23	0.50088428E+00
24	0.42035772E+00
25	0.71287813E+00
26	0.69992209E+00
27	0.71278760E+00
28	0.73223546E+00
29	0.86254181E+00
30	0.58808557E+00
31	0.77087322E+00
32	0.87063654E+00
33	0.51536199E+00
34	0.44879100E+00
35	0.70632247E+00
36	0.68228863E+00
37	0.89189701E+00

38	0.93307647E+00
39	0.65051113E+00
40	0.67334194E+00
41	0.47240222E+00
42	0.39548098E+00
43	0.91623883E+00
44	0.78367090E+00
45	0.74062078E+00
46	0.63012073E+00
47	0.81610576E+00
48	0.44259316E+00
49	0.90461328E+00
50	0.92311273E+00
51	0.69981344E+00
52	0.86232894E+00
53	0.37804879E+00
54	0.71479971E+00
55	0.79305134E+00
56	0.60632449E+00
57	0.40966805E+00
58	0.84113956E+00
59	0.90189979E+00
60	0.66440510E+00
61	0.24130909E+00
62	0.36569439E+00

mean efficiency = 0.66878351E+00

Lampiran 17. Preferensi Risiko Produksi dan Alokasi Input Produksi

No.	Nama	bnh	po	pk	herb	tk
1.00	Kartasih	50.00	1800.00	1000.00	10.00	80.00
2.00	Karjo	42.31	1846.15	769.23	7.69	100.00
3.00	Anwar	7.14	1714.29	714.29	7.14	57.14
4.00	Salekah	26.67	1600.00	1000.00	6.67	146.67
5.00	Mustaji	20.00	1600.00	666.67	6.67	73.33
6.00	Sarkimin	15.79	1473.68	526.32	10.53	126.32
7.00	Dohir	10.00	1800.00	500.00	5.00	140.00
8.00	Darmunit	15.00	2250.00	375.00	5.00	75.00
9.00	Markamah	25.00	2500.00	750.00	5.00	145.00
10.00	Sukadi	15.00	2250.00	375.00	5.00	60.00
11.00	M. Anam	23.81	1714.29	476.19	4.76	57.14
12.00	Samiaji	9.09	2045.45	227.27	4.55	59.09
13.00	Sukarni	13.64	2045.45	113.64	4.55	72.73
14.00	Umi Salamah	9.09	2045.45	454.55	4.55	86.36
15.00	Karmaun	11.11	2222.22	277.78	3.70	70.37
16.00	Sulasmi	5.00	2000.00	150.00	3.33	33.33
17.00	M. Solih	13.64	2045.45	227.27	2.27	50.00
18.00	H. Ruslan	11.36	2045.45	68.18	2.27	31.82
19.00	Khoirul Fatihin	11.11	2000.00	222.22	2.22	46.67
20.00	Marwan	12.24	1836.73	510.20	22.45	112.24
21.00	Mat Trubus	16.67	1000.00	500.00	6.67	80.00
22.00	Muslan P. Hari	25.00	1500.00	250.00	25.00	85.00
23.00	Siti Khotimah	5.00	1500.00	100.00	4.00	44.00
24.00	Mukahar	5.88	1274.51	196.08	3.92	39.22
25.00	M. Muqim	5.36	1339.29	178.57	7.14	67.86
26.00	Hj. Rosminah	6.67	1250.00	416.67	3.33	38.33
27.00	Sholihah	7.81	1250.00	468.75	3.13	54.69
28.00	Slamet	11.72	1406.25	312.50	1.56	81.25
29.00	Nyasuan	12.12	2272.73	606.06	7.58	78.79
30.00	M. Alimun	15.15	2272.73	227.27	6.06	60.61
31.00	Warkiyasih	8.57	2214.29	285.71	2.86	48.57
32.00	Uliyaton	11.43	1285.71	357.14	11.43	28.57
33.00	Alimi	7.14	642.86	214.29	1.43	127.14
34.00	Muntohir	11.25	1125.00	125.00	2.50	61.25
35.00	Kasiono	10.00	875.00	187.50	8.75	108.75
36.00	M. Amin	10.49	1111.11	246.91	1.23	23.46
37.00	Hendik	25.00	1500.00	250.00	15.00	95.00
38.00	Murtaji	5.00	1800.00	200.00	1.00	36.00

39.00	Nur Rohim	13.00	1650.00	200.00	13.00	30.00
40.00	Markuat	5.00	600.00	250.00	4.00	30.00
41.00	Suwargo	10.00	1800.00	300.00	1.00	25.00
42.00	Muzayin	9.21	1578.95	526.32	13.16	81.58
43.00	Suwanan	11.65	2184.47	436.89	9.71	40.78
44.00	Samid	6.54	1682.24	280.37	2.80	27.10
45.00	M. Jaiz	5.41	1621.62	225.23	1.80	58.56
46.00	Asrofin	8.70	1826.09	260.87	2.61	36.52
47.00	Kholiq Idris	9.23	2000.00	307.69	1.54	27.69
48.00	Kasnawi	10.71	1857.14	285.71	1.43	45.71
49.00	Ja'far	6.12	1632.65	170.07	0.68	32.65
50.00	Erna	20.00	1600.00	86.67	2.00	86.67
51.00	Agus Rozi	9.00	1800.00	700.00	2.00	22.00
52.00	Mat Qadir	10.00	1875.00	375.00	5.00	30.00
53.00	Sulkan	9.00	3000.00	500.00	4.00	36.00
54.00	Kasdim	7.65	1058.82	352.94	1.18	21.76
55.00	Samiin	4.44	1777.78	370.37	9.26	68.52
56.00	Yasnan	6.25	1687.50	468.75	0.31	66.88
57.00	Matraji	6.67	1600.00	444.44	3.33	58.67
58.00	Restan	12.20	658.54	487.80	4.88	146.34
59.00	Jari	11.90	714.29	833.33	7.14	54.76
60.00	Sujai	10.87	2173.91	724.64	5.80	39.86
61.00	Usman	11.45	1374.05	763.36	5.34	26.72
62.00	Karso	11.76	1102.94	441.18	6.62	68.38

Lampiran 18. Preferensi Risiko Produksi dan Efisiensi Teknis

No.	Nama	Efisiensi	Preferensi
1.00	Kartasih	0.786	RS
2.00	Karjo	0.715	RS
3.00	Anwar	0.916	RA
4.00	Salekah	0.852	RS
5.00	Mustaji	0.863	RS
6.00	Sarkimin	0.802	RS
7.00	Dohir	0.696	RA
8.00	Darmunit	0.857	RS
9.00	Markamah	0.496	RA
10.00	Sukadi	0.744	RS
11.00	M. Anam	0.403	RA
12.00	Samiaji	0.806	RS
13.00	Sukarni	0.540	RS
14.00	Umi Salamah	0.779	RA
15.00	Karmaun	0.283	RA
16.00	Sulasmi	0.836	RS
17.00	M. Solih	0.502	RA
18.00	H. Ruslan	0.491	RS
19.00	Khoirul Fatihin	0.502	RA
20.00	Marwan	0.458	RA
21.00	Mat Trubus	0.655	RA
22.00	Muslan P. Hari	0.606	RS
23.00	Siti Khotimah	0.501	RA
24.00	Mukahar	0.420	RA
25.00	M. Muqim	0.713	RA
26.00	Hj. Rosminah	0.700	RA
27.00	Sholihah	0.713	RA
28.00	Slamet	0.732	RS
29.00	Nyasuan	0.863	RA
30.00	M. Alimun	0.588	RS
31.00	Warkiyasih	0.771	RS
32.00	Uliyatun	0.871	RS
33.00	Alimi	0.515	RA
34.00	Muntohir	0.449	RS
35.00	Kasiono	0.706	RS
36.00	M. Amin	0.682	RA
37.00	Hendik	0.892	RS
38.00	Murtaji	0.933	RS
39.00	Nur Rohim	0.651	RS
40.00	Markuat	0.673	RA

41.00	Suwargo	0.472	RA
42.00	Muzayin	0.395	RA
43.00	Suwanan	0.916	RS
44.00	Samid	0.784	RA
45.00	M. Jaiz	0.741	RA
46.00	Asrofin	0.630	RA
47.00	Kholiq Idris	0.816	RS
48.00	Kasnawi	0.443	RA
49.00	Ja'far	0.905	RS
50.00	Erna	0.923	RS
51.00	Agus Rozi	0.700	RA
52.00	Mat Qadir	0.862	RA
53.00	Sulkan	0.378	RA
54.00	Kasdim	0.715	RA
55.00	Samiin	0.793	RA
56.00	Yasnan	0.606	RA
57.00	Matraji	0.410	RA
58.00	Restan	0.841	RS
59.00	Jari	0.902	RA
60.00	Sujai	0.664	RA
61.00	Usman	0.241	RA
62.00	Karso	0.366	RA