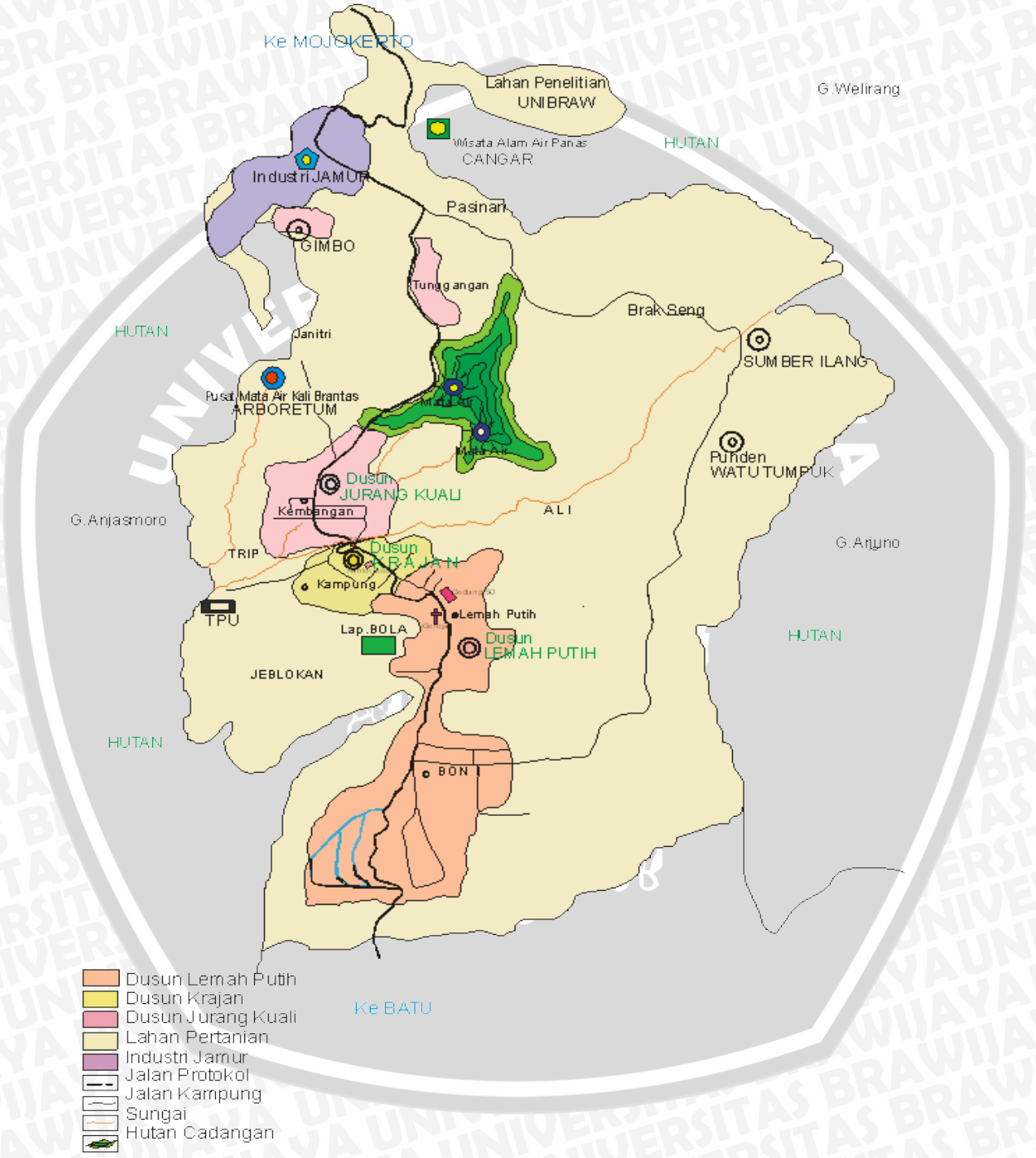
Lampiran 1. Peta Administrasi Desa Sumberbrantas, Kecamatan Bumiaji, Kota Batu



Lampiran 2. Karakteristik Petani Responden Desa Sumber Brantas, Kecamatan Bumiaji, Kota Batu

No.	Nama	Usia	Pendidikan Terakhir	Status Keluarga	
				Jumlah Keluarga	Status
1	Joko Purnomo	30	SMA	1	Belum Kawin
2	Kadi	43	SMP	4	Kawin
3	Joni Sunardi	55	SMP	5	Kawin
4	Purwito	41	SMA	4	Kawin
5	Nyoto	39	SMP	3	Kawin
6	Masyudi	41	DI	4	Kawin
7	Agus	38	SMP	4	Kawin
8	Sulaiman	35	SD	4	Kawin
9	Risa	23	SMA	2	Kawin
10	Madi	32	SD	2	Kawin
11	Samiran	57	SD	7	Kawin
12	Ngatisainem	59	SD	3	Kawin
13	Sudarmaji	49	SMA	3	Kawin
14	Suraji	54	SD	4	Kawin
15	Saliman	41	SMA	4	Kawin
16	Tiari	48	tdk sekolah	4	Kawin
17	Mujiran	56	tdk sekolah	4	Kawin
18	Bunawas	42	SMA	3	Kawin
19	Asmiati	51	SD	5	Kawin
20	Slamet	54	SD	6	Kawin
21	Marjito	61	SD	4	Kawin
22	Heri Wibowo	32	SMA	5	Kawin
23	Suprapto	39	SD	4	Kawin
24	Sumiati	45	SD	3	Kawin
25	Sholeh	35	SD	4	Kawin
26	Susilo	48	SMP	4	Kawin
27	Juari	35	SD	3	Kawin
28	Ismanto	37	SD	3	Kawin
29	Suwandi	45	SD	3	Kawin
30	Kasil	41	SMP	3	Kawin
31	kisnan	51	SD	4	Kawin
32	Karno	44	SMP	4	Kawin
33	darto	44	SMP	3	Kawin

Lampiran 3. Pengalaman Usahatani dan Luas Lahan Responden

No.	Nama	Pengalaman (thn)	Luas Lahan		
			Milik Sendiri (ha)	Sewa (ha)	Total (ha)
1	Joko Purnomo	3	0,5	0	**0,5**
2	Kadi	20	1	3	**4**
3	Joni Sunardi	27	6	0	**7**
4	Purwito	21	3	1	**4**
5	Nyoto	30	1	0	**1**
6	Masyudi	21	1	3	**4**
7	Agus	10	1	0	**1**
8	Sulaiman	10	1	0	**1**
9	Risa	1	3,5	0	**3,5**
10	Madi	5	3	0,5	**3,5**
11	Samiran	25	1,5	0	**1,5**
12	Ngatisainem	30	1	0	**1**
13	Sudarmaji	26	1	0	**1**
14	Suraji	20	1	0.2	**1,2**
15	Saliman	12	0,5	0	**0,5**
16	Tiari	10	0.1	0	**0,1**
17	Mujiran	27	0,5	0	**0,5**
18	Bunawas	18	1,5	0	**1,5**
19	Asmiati	32	3	0	**3**
20	Slamet	23	0,25	0	**0,25**
21	Marjito	30	1	0	**1**
22	Heri Wibowo	6	1	0	**1**
23	Suprapto	11	0.8	0	**0,8**
24	Sumiati	20	3,5	0	**3,5**
25	Sholeh	1	0.12	0	**0,12**
26	Susilo	24	1	0	**1**
27	Juari	10	0	0.2	**0,2**
28	Ismanto	4	0,25	0	**0,25**
29	Suwandi	20	2	0	**2**
30	Kasil	17	1	0	**1**
31	Kisnan	27	0.5	0	**0,5**
32	Karno	10	1,5	0	**1,5**
33	Darto	13	0,5	0	**0,5**

Lampiran 4. Total Biaya Benih dalam Usahatani Kentang di Desa Sumber Brantas

NO. SAMPEL	NAMA	LUAS LAHAN (ha)	BENIH (kg)	HARGA (Rp)	TOTAL (Rp)	KONVERSI 1 HA
1	Joko Purnomo	**0.5**	1500	5500	**8250000**	**16500000**
2	Kadi	**4**	10000	7000	**70000000**	**17500000**
3	Joni Sunardi	**6**	15000	12000	**180000000**	**30000000**
4	Purwito	**4**	10000	10000	**100000000**	**25000000**
5	Nyoto	**1**	3000	8000	**24000000**	**24000000**
6	Masyudi	**4**	8000	8000	**64000000**	**16000000**
7	Agus	**1**	4000	8000	**32000000**	**32000000**
8	Sulaiman	**1**	2000	6000	**12000000**	**12000000**
9	Risa	**3.5**	14000	6000	**84000000**	**24000000**
10	Madi	**3.5**	14000	6000	**84000000**	**24000000**
11	Samiran	**1.5**	3000	8000	**24000000**	**16000000**
12	Ngatisainem	**1**	2000	5000	**10000000**	**10000000**
13	Sudarmaji	**1**	3000	7000	**21000000**	**21000000**
14	Suraji	**1.2**	1440	9000	**12960000**	**10800000**
15	Saliman	**0.5**	1200	8000	**9600000**	**19200000**
16	Tiari	**0.1**	800	3000	**2400000**	**24000000**
17	Mujiran	**0.5**	1200	8000	**9600000**	**19200000**
18	Bunawas	**1.5**	4500	6500	**29250000**	**19500000**
19	Asmiati	**3**	9000	8000	**72000000**	**24000000**
20	Slamet	**0.25**	800	7000	**5600000**	**22400000**
21	Marjito	**1**	3500	8000	**28000000**	**28000000**
22	Heri Wibowo	**1**	3000	5000	**15000000**	**15000000**

Lampiran 4. (Lanjutan)

NO. SAMPEL	NAMA	LUAS LAHAN (ha)	BENIH (kg)	HARGA (Rp)	TOTAL (Rp)	KONVERSI 1 HA
23	Suprapto	**0.8**	2000	8000	**16000000**	**20000000**
24	Sumiati	**3.5**	8750	7000	**61250000**	**17500000**
25	Sholeh	**0.12**	400	6000	**2400000**	**20000000**
26	Susilo	**1**	3000	5000	**15000000**	**15000000**
27	Juari	**0.2**	600	7000	**4200000**	**21000000**
28	Ismanto	**0.25**	800	8000	**6400000**	**25600000**
29	Suwandi	**2**	8000	7000	**56000000**	**28000000**
30	Kasil	**1**	2000	8000	**16000000**	**16000000**
31	Kisnan	**0.5**	1600	6000	**9600000**	**19200000**
32	Karno	**1.5**	4500	7000	**31500000**	**21000000**
33	Darto	**0.5**	2000	8000	**16000000**	**32000000**
JUMLAH		52.42	148590	236000	**1132010000**	**685400000**
RATA-RATA		1.588484848	4502.727273	7151.515152	**34303333.33**	**20769696.97**

Lampiran 5. Total Biaya Penggunaan Pupuk dalam Usahatani Kentang di Desa Sumber Brantas (dalam Rp/kg)

NO. SAMPEL	LUAS LAHAN	UREA	NILAI	PHONSKA	NILAI	NPK	NILAI	SP36	NILAI	ZA	NILAI	BIAYA TOTAL	KONVERSI 1 HA
1	**0.5**	0	0	1000	1840000	50	355000	800	1472000	0	0	3667000	7334000
2	**4**	2800	5040000	0	0	800	5680000	400	720000	280	126000	11566000	2891500
3	**6**	0	0	0	0	4800	28800000	0	0	0	0	28800000	4800000
4	**4**	0	0	1600	2880000	1200	10800000	600	1080000	1200	540000	15300000	3825000
5	**1**	0	0	0	0	300	2700000	0	0	0	0	2700000	2700000
6	**4**	800	1440000	0	0	1200	10800000	800	1440000	800	360000	14040000	3510000
7	**1**	0	0	0	0	200	1470000	100	260000	200	292000	2022000	2022000
8	**1**	0	0	0	0	350	2275000	0	0	0	0	2275000	2275000
9	**3.5**	1400	2380000	2100	4956000	0	0	0	0	1400	560000	7896000	2256000
10	**3.5**	0	0	2450	4508000	1050	7455000	0	0	1050	552000	12515000	3575714.286
11	**1.5**	0	0	750	1380000	450	3195000	450	828000	750	920000	6323000	4215333.333
12	**1**	0	0	300	552000	400	3400000	300	552000	300	552000	5056000	5056000
13	**1**	0	0	0	0	200	1460000	250	500000	250	500000	2460000	2460000
14	**1.2**	0	0	180	424800	180	1296000	180	378000	180	225000	2323800	1936500
15	**0.5**	0	0	0	0	200	1440000	200	420000	300	450000	2310000	4620000
16	**0.1**	0	0	50	118000	0	0	0	0	50	98000	216000	2160000
17	**0.5**	0	0	0	0	400	2880000	400	840000	400	600000	4320000	8640000
18	**1.5**	0	0	0	0	300	2160000	300	630000	300	300000	3090000	2060000
19	**3**	0	0	0	0	900	6570000	3000	6000000	3000	1400000	13970000	4656666.667
20	**0.25**	150	270000	50	118000	0	0	150	315000	0	0	703000	2812000
21	**1**	0	0	0	0	300	2250000	0	0	0	0	2250000	2250000
22	**1**	0	0	100	236000	0	0	50	105000	50	75000	416000	416000

Lampiran 5. (Lanjutan)

(dalam Rp/kg)

NO. SAMPEL	LUAS LAHAN	UREA	NILAI	PHONSKA	NILAI	NPK	NILAI	SP36	NILAI	ZA	NILAI	BIAYA TOTAL	KONVERSI 1 HA
23	**0.8**	0	0	100	236000	100	720000	100	210000	100	150000	1316000	1645000
24	**3.5**	0	0	1225	2254000	0	0	1400	2576000	1400	736000	5566000	1590285.714
25	**0.12**	6	11040	50	92000	50	180000	0	0	0	0	283040	2358666.667
26	**1**	0	0	100	184000	100	712000	100	184000	100	184000	1264000	1264000
27	**0.2**	0	0	0	0	50	350000	0	0	50	98000	448000	2240000
28	**0.25**	0	0	0	0	150	1065000	100	184000	50	92000	1341000	5364000
29	**2**	800	1472000	400	736000	800	5680000	800	1472000	0	0	9360000	4680000
30	**1**	0	0	0	0	250	1775000	100	184000	200	368000	2327000	2327000
31	**0.5**	0	0	100	184000	200	1420000	200	368000	0	0	1972000	3944000
32	**1.5**	225	414000	225	414000	450	3195000	450	828000	0	0	4851000	3234000
33	**0.5**	0	0	0	0	200	1420000	200	368000	100	184000	1972000	3944000
JUMLAH												**174918840**	**109062666.7**
RATA-RATA												**5300570.91**	**3304929.29**

Lampiran 6. Total Biaya Penggunaan Pestisida dalam Usahatani Kentang di Desa Sumber Brantas (dalam Rp/lt)

No. Sampel	Previcure	Nilai	Cursate	Nilai	Ditane	Nilai	Trivia	Nilai	Daconil	Nilai	Alfamax	Nilai
1	0	0	20	1050000	10	750000	0	0	0	0	3	570000
2	80	8800000	160	8400000	120	9000000	4	220000	24	1632000	80	15200000
3	132	14520000	252	13230000	192	14400000	18	990000	36	2448000	126	23940000
4	84	9240000	168	8820000	120	9000000	8	440000	24	0	80	15200000
5	10	1100000	0	0	30	2250000	1	55000	6	408000	3	570000
6	84	9240000	180	9450000	132	9900000	8	440000	24	1632000	80	15200000
7	10	1100000	40	2100000	25	1875000	1	55000	0	0	5	950000
8	0	0	41	2152500	25	1875000	2	110000	0	0	3	570000
9	70	7700000	157.5	8268750	105	7875000	7	385000	21	0	84	15960000
10	63	6930000	157.5	8268750	87.5	6562500	7	385000	0	0	63	11970000
11	19.5	2145000	30	1575000	30	2250000	1.5	82500	0	0	4.5	855000
12	13	1430000	20	1050000	20	1500000	2	110000	0	0	3	570000
13	15	1650000	0	0	20	1500000	3	165000	0	0	3	570000
14	24	2640000	49.2	2583000	36	2700000	0	0	0	0	3.6	684000
15	0	0	20	1050000	10	750000	0	0	0	0	0	0
16	0	0	10	525000	5	375000	1	55000	0	0	0	0
17	0	0	20	1050000	10	750000	0	0	0	0	0	0
18	30	3300000	60	3150000	30	2250000	0	0	0	0	0	0
19	48	5280000	90	4725000	30	2250000	6	330000	12	816000	45	8550000
20	0	0	10	525000	5	375000	0	0	0	0	0	0
21	10	1100000	40	2100000	10	750000	3	165000	0	0	3	570000
22	10	1100000	40	2100000	10	750000	1	55000	2	136000	3	570000
23	10	1100000	20	1050000	10	750000	2	110000	1	68000	1	190000
24	35	3850000	140	7350000	70	5250000	7	385000	10.5	714000	0	0

Lampiran 6. (Lanjutan)

(dalam Rp/lt)

No. Sampel	Previcure	Nilai	Cursate	Nilai	Ditane	Nilai	Trivia	Nilai	Daconil	Nilai	Alfamax	Nilai
25	5	550000	0	0	0	0	1	55000	0	0	0	0
26	15	1650000	40	2100000	10	750000	2	110000	0	0	3	570000
27	1	110000	0	0	10	750000	1	55000	0	0	0	0
28	0	0	20	1050000	0	0	1	55000	0	0	0	0
29	32	3520000	80	4200000	40	3000000	4	220000	4	272000	20	3800000
30	16	1760000	20	1050000	20	1500000	1	55000	0	0	1	190000
31	10	1100000	0	0	10	750000	1	55000	0	0	1	190000
32	15	1650000	15	787500	30	2250000	1.5	82500	1.5	102000	3	570000
33	0	0	20	1050000	10	750000	1	55000	0	0	0	0

Lampiran 6. (Lanjutan)

(dalam Rp/lt)

No. Sampel	Sencor	Nilai	Dusban	Nilai	Biaya Total	Konversi 1 ha
1	0	0	1	60000	2430000	4860000
2	4	400000	0	0	43652000	10913000
3	6	600000	0	0	70128000	11688000
4	4	400000	20	1200000	44300000	11075000
5	0	0	0	0	4383000	4383000
6	4	400000	20	1200000	47462000	11865500
7	0	0	1	60000	6140000	6140000
8	1	100000	3	180000	4987500	4987500
9	0	0	24.5	1470000	41658750	11902500
10	3.5	350000	10.5	630000	35096250	10027500
11	1.5	150000	3	180000	7237500	4825000
12	0	0	1	60000	4720000	4720000
13	0	0	3	180000	4065000	4065000
14	0	0	4.8	288000	8895000	7412500
15	0	0	0	0	1800000	3600000
16	0	0	1	60000	1015000	10150000
17	0	0	5	300000	2100000	4200000
18	1.5	150000	0	0	8850000	5900000
19	3	300000	6	360000	22611000	7537000
20	0	0	0	0	900000	3600000
21	0	0	2	120000	4805000	4805000
22	1	100000	1	60000	4871000	4871000
23	0	0	1	60000	3328000	4160000

Lampiran 6. (Lanjutan)

No. Sampel	Sencor	Nilai	Dusban	Nilai	Biaya Total	Konversi 1 ha
24	0	0	0	0	17549000	5014000
25	0	0	0	0	605000	5041666.667
26	0	0	0	0	5180000	5180000
27	0	0	0	0	915000	4575000
28	0	0	0	0	1105000	4420000
29	0	0	0	0	15012000	7506000
30	0	0	0	0	4555000	4555000
31	0	0	0	0	2095000	4190000
32	1.5	150000	0	0	5592000	3728000
33	0	0	0	0	1855000	3710000
JUMLAH					429898000	205607166.7
RATA-RATA					13027212.12	6230520.202

Lampiran 7. Total Biaya Penggunaan Tenaga Kerja dalam Usahatani Kentang di Desa Sumber Brantas (dalam Rp)

No. Sampel	Pengolahan Tanah		Penanaman		Pemupukan		Perawatan		Panen		Biaya Total	Konversi 1 ha
	HOK	Nilai	HOK	Nilai	HOK	Nilai	HOK	Nilai	HOK	Nilai		
1	70	1750000	8	200000	56	1400000	152	3800000	60	2400000	**9550000**	**19100000**
2	400	12000000	120	3600000	600	18000000	1200	36000000	320	16000000	**85600000**	**21400000**
3	540	16200000	132	3960000	660	19800000	1320	39600000	252	12600000	**92160000**	**15360000**
4	300	7800000	96	2496000	240	6240000	960	24960000	160	7200000	**48696000**	**12174000**
5	50	1200000	4	96000	40	960000	72	1728000	35	1400000	**5384000**	**5384000**
6	84	2520000	64	1920000	224	6720000	672	20160000	192	8640000	**39960000**	**9990000**
7	50	1500000	5	150000	25	750000	100	3000000	40	1600000	**7000000**	**7000000**
8	50	1200000	10	240000	100	2400000	200	4800000	36	1260000	**9900000**	**9900000**
9	168	4368000	133	3458000	399	10374000	1330	34580000	175	7000000	**59780000**	**17080000**
10	315	8190000	133	3458000	466	12116000	1197	31122000	228	10260000	**65146000**	**18613142.9**
11	128	3456000	8	216000	38	1026000	150	4050000	60	2400000	**11148000**	**7432000**
12	35	875000	5	125000	50	1250000	105	2625000	50	1750000	**6625000**	**6625000**
13	60	1800000	9	270000	63	1890000	180	5400000	40	2000000	**11360000**	**11360000**
14	34	1020000	12	360000	24	720000	204	6120000	29	1450000	**9670000**	**8058333.33**
15	15	412500	4	110000	24	660000	80	2200000	42	1680000	**5062500**	**10125000**
16	15	450000	4	120000	8	240000	68	2040000	4	160000	**3010000**	**30100000**
17	15	450000	5	150000	10	300000	85	2550000	10	400000	**3850000**	**7700000**
18	105	3150000	27	810000	95	2850000	270	8100000	180	7200000	**22110000**	**14740000**
19	270	8100000	54	1620000	81	2430000	567	17010000	180	9000000	**38160000**	**12720000**
20	28	840000	3	90000	21	630000	60	1800000	10	400000	**3760000**	**15040000**
21	70	2450000	11	385000	55	1925000	220	7700000	98	4900000	**17360000**	**17360000**
22	50	1250000	4	100000	28	700000	104	2600000	70	2800000	**7450000**	**7450000**

Lampiran 7. (Lanjutan)

(dalam Rp)

No. Sampel	Pengolahan Lahan		Penanaman		Pemupukan		Perawatan		Panen		Biaya Total	Konversi 1 ha
	HOK	Nilai	HOK	Nilai	HOK	Nilai	HOK	Nilai	HOK	Nilai		
23	40	1200000	8	240000	24	720000	144	4320000	30	1350000	**7830000**	**9787500**
24	140	3500000	84	2100000	210	5250000	714	17850000	123	4920000	**33620000**	**9605714.29**
25	9	270000	3	90000	6	180000	54	1620000	15	600000	**2760000**	**23000000**
26	35	787500	8	180000	32	720000	160	3600000	20	800000	**6087500**	**6087500**
27	50	1500000	6	180000	9	270000	60	1800000	15	600000	**4350000**	**21750000**
28	9	270000	3	90000	12	360000	57	1710000	20	800000	**3230000**	**12920000**
29	112	3360000	16	480000	96	2880000	320	9600000	112	4480000	**20800000**	**10400000**
30	24	648000	12	324000	18	486000	120	3240000	25	875000	**5573000**	**5573000**
31	28	756000	5	135000	15	405000	100	2700000	25	1000000	**4996000**	**9992000**
32	75	2025000	18	486000	45	1215000	180	4860000	63	2520000	**11106000**	**7404000**
33	28	756000	3	81000	9	243000	60	1620000	25	1000000	**3700000**	**7400000**
JUMLAH											**408631190.5**	**5089000**
RATA-RATA											**12382763.35**	**154212.12**

Lampiran 8. Data Pendapatan dalam Usahatani Kentang di Desa Sumber Brantas

(dalam Rp)

No. Sampel	Penerimaan			Biaya Tetap			Biaya Variabel				Pendapatan
	Produksi	Harga	Penerimaan	Biaya Pajak	Biaya Sewa	Biaya Depresiasi	Biaya Benih	Biaya Pupuk	Biaya Tenaga Kerja	Biaya Pestisida	
1	8000	5500	88000000	65500	0	1340000	16500000	7334000	19100000	4860000	38800500
2	68000	4800	81600000	38125	5625000	40555.55556	17500000	2891500	21400000	10913000	23191819.44
3	90000	4500	67500000	124286.7143	0	13571.42857	30000000	4800000	15360000	11688000	5514141.857
4	80000	4000	80000000	58500	625000	23750	25000000	3825000	12174000	11075000	27218750
5	20000	4800	96000000	86000	0	360000	24000000	2700000	5384000	4383000	59087000
6	80000	4000	80000000	53550	5625000	23750	16000000	3510000	9990000	11865500	32932200
7	16000	4300	68800000	57500	0	95000	32000000	2022000	7000000	6140000	21485500
8	16000	4000	64000000	125600	0	115000	12000000	2275000	9900000	4987500	34596900
9	70000	5600	112000000	67000	0	47142.85714	24000000	2256000	17080000	11902500	56647357.14
10	87500	5600	140000000	57428.57143	357142.8571	48571.42857	24000000	3575714.286	18613142.86	10027500	83320500
11	22500	5100	76500000	81000	0	33333.33333	16000000	4215333.333	7432000	4825000	43913333.34
12	16000	4800	76800000	120000	0	90000	10000000	5056000	6625000	4720000	50189000
13	25000	5500	137500000	115000	0	245000	21000000	2460000	11360000	4065000	98255000
14	18000	4800	72000000	0	2500000	383333.3333	10800000	1936500	8058333.333	7412500	40909333.34
15	8000	5000	80000000	197500	0	230000	19200000	4620000	10125000	3600000	42027500
16	1750	6500	113750000	345200	0	1150000	24000000	2160000	30100000	10150000	45844800
17	7000	5200	72800000	160080	0	220000	19200000	8640000	7700000	4200000	32679920
18	27000	6500	117000000	98650	0	73333.33333	19500000	2060000	14740000	5900000	74628016.67
19	45000	4800	72000000	83000	0	31666.66667	24000000	4656666.667	12720000	7537000	22971666.66
20	7000	5000	140000000	138000	0	400000	22400000	2812000	15040000	3600000	95610000
21	25000	4200	105000000	123000	0	170000	28000000	2250000	17360000	4805000	52292000
22	20000	4800	96000000	104200	0	170000	15000000	416000	7450000	4871000	67988800
23	20000	3900	97500000	122500	0	206250	20000000	1645000	9787500	4160000	61578750

Lampiran 8. (Lanjutan)

(dalam Rp)

No. Sampel	Penerimaan			Biaya Tetap			Biaya Variabel				Pendapatan
	Produksi	Harga	Penerimaan	Biaya Pajak	Biaya Sewa	Biaya Depresiasi	Biaya Benih	Biaya Pupuk	Biaya Tenaga Kerja	Biaya Pestisida	
24	61250	6000	105000000	0	0	25714.28571	17500000	5566000	9605714.286	5014000	71264285.71
25	2000	5000	83333333.33	463750	0	958333.3333	20000000	283040	23000000	5041666.67	31510916.67
26	25000	4000	100000000	127500	0	115000	15000000	1264000	6087500	5180000	72226000
27	6500	4800	156000000	0	2500000	825000	21000000	448000	21750000	4575000	103110000
28	7000	5000	140000000	200000	0	440000	25600000	1341000	12920000	4420000	91056000
29	40000	4800	96000000	78000	0	60000	28000000	9360000	10400000	7506000	45276000
30	18000	4200	75600000	142650	0	115000	16000000	2327000	5573000	4555000	46887350
31	8000	5100	81600000	150000	0	190000	19200000	1972000	9992000	4190000	43934000
32	24000	4800	76800000	98000	0	113333.3333	21000000	4851000	7404000	3728000	41222666.67
33	9000	5000	90000000	121100	0	330000	32000000	1972000	7400000	3710000	42494900
Jumlah											1700664908
Rata-Rata											51535300.23

Lampiran 9. Hasil Analisis Regresi Berganda dan Uji Asumsi Klasik yang terdiri atas Uji Autokorelasi, Multikolineritas, Normalitas dan Heteroskedastisitas

Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	Pestisida, P_Kimia, Benih, HOK[a]	.	Enter

a. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.804[a]	.647	.596	.43224

a. Predictors: (Constant), Pestisida, P_Kimia, Benih, HOK

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9.577	4	2.394	12.815	.000[a]
	Residual	5.231	28	.187		
	Total	14.809	32			

a. Predictors: (Constant), Pestisida, P_Kimia, Benih, HOK

b. Dependent Variable: Produksi

Lampiran 9. (Lanjutan)

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.777	1.431		2.640	.013
	Benih	.444	.187	.370	2.369	.025
	HOK	.647	.232	.534	2.788	.009
	P_Kimia	-.195	.166	-.141	-1.172	.251
	Pestisida	.001	.084	.002	.015	.988

a. Dependent Variable: Produksi

Uji Autokorelasi,

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.804[a]	.647	.596	.43224	1.942

a. Predictors: (Constant), Pestisida, P_Kimia, Benih, HOK

b. Dependent Variable: Produksi

Lampiran 9. (Lanjutan)

Uji Multikolinieritas,

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	3.777	1.431		2.640	.013		
	Benih	.444	.187	.370	2.369	.025	.518	1.929
	HOK	.647	.232	.534	2.788	.009	.344	2.903
	P_Kimia	-.195	.166	-.141	-1.172	.251	.877	1.140
	Pestisida	.001	.084	.002	.015	.988	.564	1.772

a. Dependent Variable: Produksi

Uji Normalitas,

One-Sample Kolmogorov-Smirnov Test

		Residual
N		33
Normal Parameters[a,,b]	Mean	.0000
	Std. Deviation	.40433
Most Extreme Differences	Absolute	.120
	Positive	.115
	Negative	-.120
Kolmogorov-Smirnov Z		.687
Asymp. Sig. (2-tailed)		.733

a. Test distribution is Normal.

b. Calculated from data.

Lampiran 9. (Lanjutan)

Uji Heteroskedastisitas,

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.842	.893		.943	.354
	Benih	.071	.117	.150	.607	.549
	HOK	-.175	.145	-.366	-1.207	.237
	P_Kimia	-.011	.104	-.021	-.109	.914
	Pestisida	-.014	.053	-.061	-.257	.799

a. Dependent Variable: ABS

Lampiran 10. Analisis Efisiensi Alokatif Faktor-Faktor Produksi Kentang

Secara matematis model fungsi produksi *Cobb-Douglas* Usahatani Kentang di Desa Sumber Brantas, Kecamatan Bumiaji

$$Y = 3{,}777 + 0{,}444X_1 + 0{,}647\,X_2 - 0{,}195X_3 + 0{,}001X_4$$

1. Produk Marginal $X_i \rightarrow PM_{xi} = \frac{bi\bar{Y}}{\overline{Xi}}$
2. $NPM_{xi} = PM_{xi}\, P_y$
3. $NPM_{xi} = \frac{bi\bar{Y}}{\overline{Xi}}\, P_y$
4. X_i optimal dicapai pada saat $\frac{NPMxi}{Pxi}$
5. X_i optimal $\frac{bi\,\bar{Y}Py}{\overline{Xi}}$

a. Benih (X_1)

Diketahui :

1) Rata-rata produksi ($\bar{Y}$) = 19459,59596
2) Harga Produk (P_y) = 4906,0606
3) Rata-rata Penggunaan benih ($\overline{Xi}$) = 2312,121212
4) Rata-rata harga benih (P_{xi}) = 7151,515152
5) Koefisien regresi b_i = 0,444

$PM_{xi} = \frac{(0{,}444)(19459{,}59596)}{2312{,}121212} = 3{,}736855$

NPM_{xi} = (3,736855).(4906,0606) = 18333,23

$NPM_{xi}/P_{xi} = \frac{18333{,}23}{7151{,}515152} = 2{,}563546$

Sehingga efisiensi alokatif penggunaan input benih belum efisien karena kurang dari 1.

X_1 optimal $= \frac{(0{,}444)(19459{,}59596)(4906{,}0606)}{7151{,}515152} = 5927{,}228$

Untuk mencapai efisiensi alokatif maka diperlukan input benih yang optimum adalah 5927,23 kg

Lampiran 10. (Lanjutan)

b. Tenaga Kerja (X_2)

Diketahui :

1) Rata-rata produksi ($\bar{Y}$) = 19459,59596
2) Harga Produksi (P_y) = 4906,0606
3) Rata-rata Penggunaan tenaga kerja ($\overline{Xi}$) = 296,8485
4) Rata-rata harga benih (P_{xi}) = 154212,1
5) Koefisien regresi b_i = 0,647

$$PM_{xi} = \frac{(0{,}647)(19459{,}59596)}{296{,}8485} = 42{,}41342$$

NPM_{xi} = (42,41342).(4906,0606) = 208082,8

$$NPM_{xi}/P_{xi} = \frac{208082{,}8}{154212{,}1} = 1{,}35$$

Sehingga efisiensi alokatif penggunaan input tenaga kerja belum efisien karena kurang dari 1.

$$X_2 \text{ optimal} = \frac{(0{,}647)(19459{,}59596)(4906{,}0606)}{154212{,}1} = 400{,}5461$$

Untuk mencapai efisiensi alokatif maka diperlukan tenaga kerja yang dibutuhkan adalah 401 orang

Lampiran 11. Dokumentasi Kegiatan Usahatani Kentang di Desa Sumber Brantas

Gb 1. Petani Responden

Gb 2. Proses Wawancara

Gb 3. Lahan Kentang

Gb 4. Ketua Gapoktan

Gb 5. Diesel Pengairan

Gb 6. Sumber Air

Lampiran 11. (Lanjutan)

Gb 7. Pembenihan Kentang

Gb 8. Proses Wawancara

Gb 9. Kentang Untuk Dijual

Gb 10. Kentang Untuk Benih

Gb 11. Kentang Dalam Gudang

Gb 12. Lahan Kentang