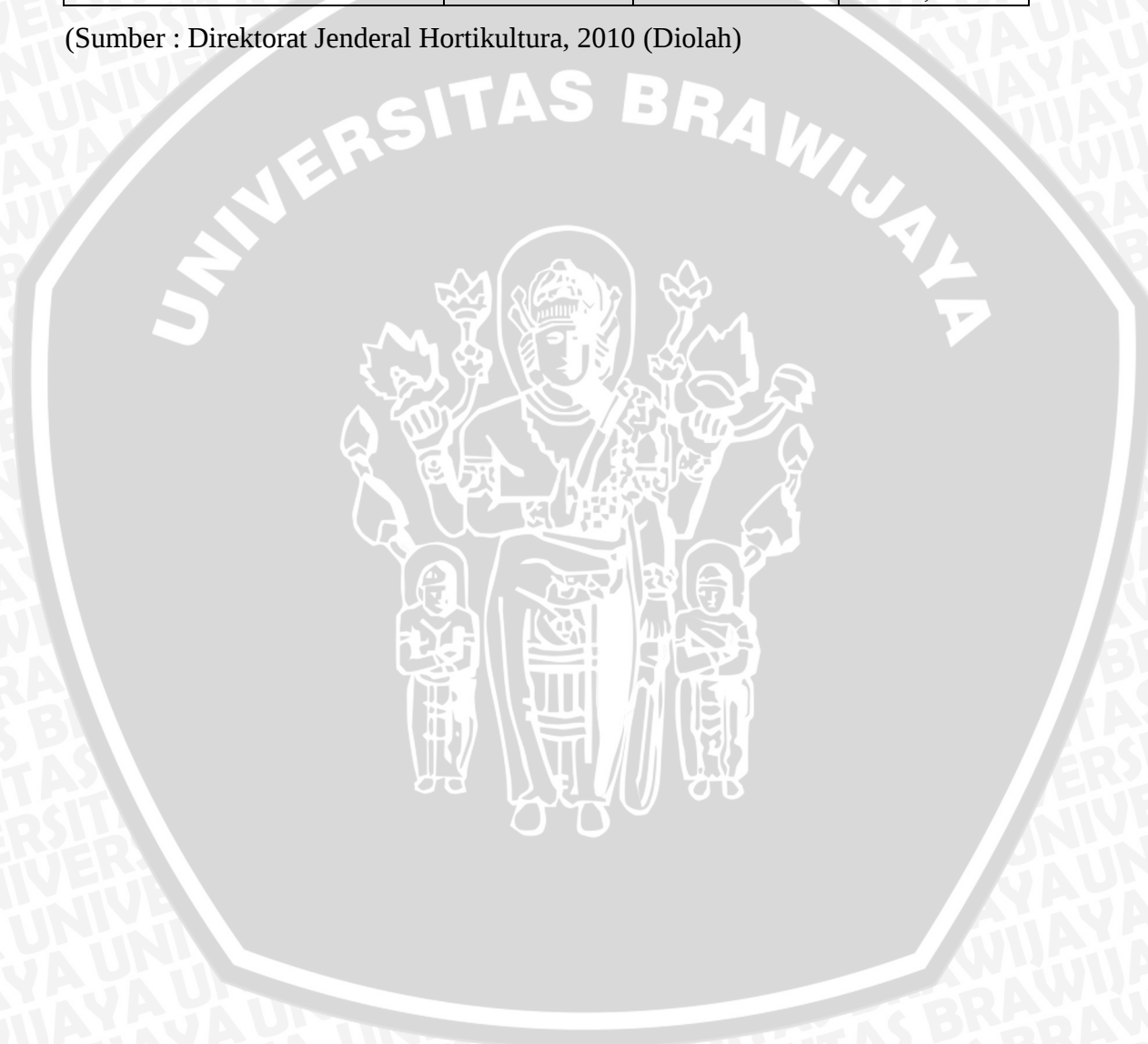


Lampiran 1. Nilai PDB Hortikultura Berdasarkan Harga Berlaku Periode 2008-2009

| No | Komoditas     | Nilai PDB (Milyar Rupiah) |        | $\Delta$<br>% |
|----|---------------|---------------------------|--------|---------------|
|    |               | 2008                      | 2009   |               |
| 1  | Sayur-sayuran | 28.205                    | 30.508 | 8,16          |
| 2  | Buah-buahan   | 47.060                    | 48.437 | 2,93          |
| 3  | Tanaman Hias  | 5.085                     | 5.494  | 8,04          |
| 4  | Obat-obatan   | 3.833                     | 3.897  | 1,14          |
|    | Total         | 84.203                    | 88.334 | 4,91          |

(Sumber : Direktorat Jenderal Hortikultura, 2010 (Diolah))



Lampiran 2. Sepuluh Sentra Produksi Bawang Merah Tahun 2010

| No               | Provinsi         | Jumlah (Ton) | Jumlah (%) |
|------------------|------------------|--------------|------------|
| 1                | Jawa Tengah      | 506.357      | 48,27      |
| 2                | Jawa Timur       | 203.739      | 19,42      |
| 3                | Jawa Barat       | 116.396      | 11,10      |
| 4                | NTB              | 104.324      | 9,95       |
| 5                | Sumatera Barat   | 25.058       | 2,39       |
| 6                | Sulawesi Selatan | 23.276       | 2,22       |
| 7                | DI Yogyakarta    | 19.951       | 1,90       |
| 8                | Bali             | 10.981       | 1,05       |
| 9                | Sulawesi Tengah  | 10.301       | 0,98       |
| 10               | Sumatera Utara   | 9.413        | 0,90       |
| Provinsi Lainnya |                  | 19.138       | 1,82       |
| Indonesia        |                  | 1048.938     | 100,00     |

Sumber : Ditjen Hortikultura, 2010 (Diolah)

Lampiran 3. Jumlah Produksi Bawang Merah Pada Tiga Daerah di Jawa Timur  
Tahun 2012

| Sentra Produksi | Keterangan     |                 |                        |
|-----------------|----------------|-----------------|------------------------|
|                 | Produksi (ton) | Luas Panen (ha) | Produktivitas (ton/ha) |
| Nganjuk         | 113.389,20     | 9.735           | 11,65                  |
| Probolinggo     | 32.424,60      | 3.003           | 10,8                   |
| Pamekasan       | 11.620,60      | 1.556           | 7,5                    |

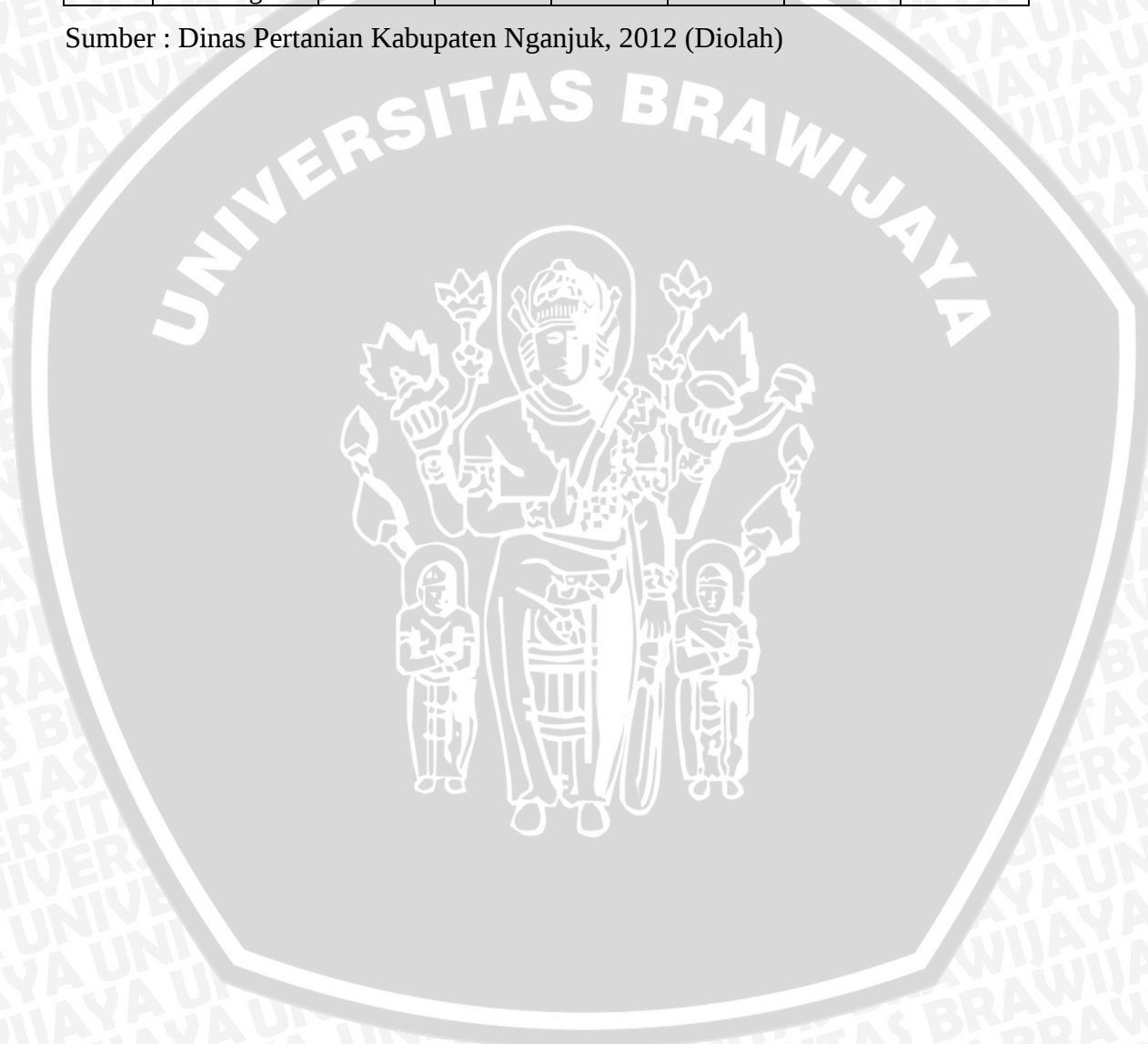
Sumber : Dinas Pertanian Kabupaten Nganjuk, 2012 (Diolah)



Lampiran 4. Realisasi Panen Bawang Merah Pada Beberapa Kecamatan Sentra Penghasil Bawang Merah di Kabupaten Nganjuk Tahun 2009-2014

| No | Kecamatan | Jumlah (Ha) |      |      |      |      |      |
|----|-----------|-------------|------|------|------|------|------|
|    |           | 2009        | 2010 | 2011 | 2012 | 2013 | 2014 |
| 1  | Sukomoro  | 1367        | 1433 | 1174 | 827  | 1051 | 957  |
| 2  | Rejoso    | 3157        | 3333 | 2474 | 3134 | 2700 | 2697 |
| 3  | Bagor     | 2091        | 2421 | 2213 | 2393 | 2104 | 1441 |
| 4  | Gondang   | 1417        | 1823 | 2064 | 2066 | 1997 | 2442 |
| 5  | Wilangan  | 786         | 814  | 885  | 860  | 982  | 784  |

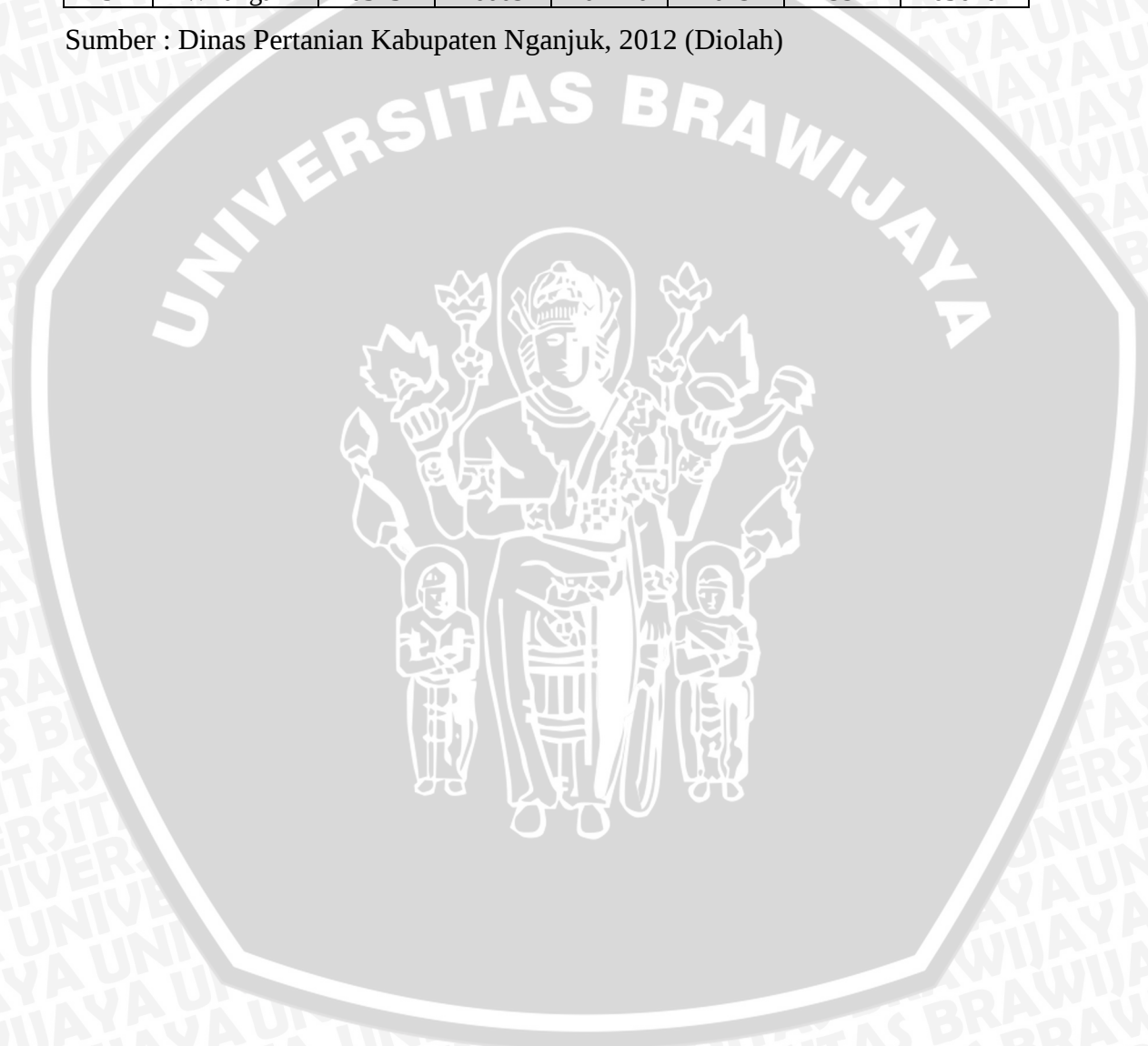
Sumber : Dinas Pertanian Kabupaten Nganjuk, 2012 (Diolah)



Lampiran 5. Realisasi Produksi Bawang Merah Pada Beberapa Kecamatan Sentra Penghasil Bawang Merah di Kabupaten Nganjuk Tahun 2009-2014

| No | Kecamatan | Jumlah (Kwintal) |        |        |        |        |        |
|----|-----------|------------------|--------|--------|--------|--------|--------|
|    |           | 2009             | 2010   | 2011   | 2012   | 2013   | 2014   |
| 1  | Sukomoro  | 158759           | 155118 | 112424 | 69995  | 97881  | 92165  |
| 2  | Rejoso    | 531830           | 322222 | 355170 | 417760 | 380868 | 338429 |
| 3  | Bagor     | 328713           | 265452 | 287520 | 303416 | 280635 | 234366 |
| 4  | Gondang   | 168933           | 218886 | 238853 | 258039 | 235186 | 332472 |
| 5  | Wilangan  | 103734           | 76009  | 104770 | 110792 | 119914 | 63610  |

Sumber : Dinas Pertanian Kabupaten Nganjuk, 2012 (Diolah)



Lampiran 6. Luas Panen dan Produksi Bawang Merah Beberapa Desa Di Kecamatan Sukomoro Tahun 2012

| No.   | Nama Desa  | Luas Panen (Ha) | Produksi (Kg/Ha) |
|-------|------------|-----------------|------------------|
| 1.    | Sumengko   | -               | -                |
| 2.    | Kapas      | -               | -                |
| 3.    | Blitaran   | 24              | 9200             |
| 4.    | Kedungsoko | 20              | 9200             |
| 5.    | Nglundo    | 86              | 12700            |
| 6.    | Bungur     | 175             | 15200            |
| 7.    | Sukomoro   | 170             | 14500            |
| 8.    | Pehserut   | 175             | 12500            |
| 9.    | Ngrami     | 258             | 16700            |
| 10.   | Bagorwetan | 95              | 16200            |
| 11.   | Putren     | 60              | 12400            |
| 12.   | Ngrengket  | -               | -                |
| Total |            | 1063            | 118.600          |

Sumber : Badan Pusat Statistik Kabupaten Nganjuk, 2013 (Diolah)





## Lampiran 8. Karakteristik Responden

| No | RESP.     | Umur (Tahun) | Pengalaman Berusahatani (Tahun) | Pendidikan Formal (Tahun) | Pendidikan Non-Formal (Kali) | Jumlah Anggota Keluarga (Orang) | Status Kepemilikan Lahan | Lokasi Lahan | Tipe Lahan | Pekerjaan Utama | Pekerjaan Sampingan |
|----|-----------|--------------|---------------------------------|---------------------------|------------------------------|---------------------------------|--------------------------|--------------|------------|-----------------|---------------------|
| 1  | Sugiyo    | 42           | 22                              | 9                         | 3                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 2  | Sumanan   | 45           | 25                              | 6                         | 3                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 3  | Sarjono   | 34           | 8                               | 9                         | 2                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 4  | Suwoto    | 37           | 5                               | 9                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 5  | Manidi    | 67           | 44                              | 6                         | 3                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 6  | Supatmo   | 60           | 32                              | 6                         | 4                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 7  | Marsono   | 35           | 15                              | 9                         | 4                            | 5                               | 1                        | 1            | 2          | 1               |                     |
| 8  | Siswo     | 40           | 15                              | 9                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 9  | Rokhim    | 40           | 10                              | 12                        | 2                            | 4                               | 1                        | 1            | 2          | 1               | 5                   |
| 10 | Suyatin   | 45           | 12                              | 6                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 11 | Suwardi   | 32           | 4                               | 12                        | 2                            | 3                               | 1                        | 1            | 2          | 1               | 4                   |
| 12 | Sirin     | 60           | 30                              | 6                         | 3                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 13 | Parji     | 43           | 22                              | 6                         | 2                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 14 | Sumiran   | 67           | 30                              | 6                         | 3                            | 2                               | 1                        | 1            | 2          | 1               |                     |
| 15 | Paini     | 45           | 10                              | 9                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 16 | Nardi     | 30           | 5                               | 9                         | 2                            | 3                               | 1                        | 1            | 2          | 1               |                     |
| 17 | Amaludin  | 38           | 8                               | 9                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 18 | Supriyadi | 40           | 9                               | 6                         | 2                            | 4                               | 1                        | 1            | 2          | 1               |                     |
| 19 | Wakimen   | 52           | 20                              | 6                         | 2                            | 5                               | 1                        | 1            | 2          | 1               |                     |
| 20 | Jadi      | 52           | 15                              | 9                         | 2                            | 3                               | 1                        | 1            | 2          | 1               |                     |

## Lampiran 8. (Lanjutan)

| No | RESP.    | Umur<br>(Tahun) | Pengalaman<br>Berusahatani<br>(Tahun) | Pendidikan<br>Formal<br>(Tahun) | Pendidikan<br>Non-Formal<br>(Kali) | Jumlah<br>Anggota<br>Keluarga<br>(Orang) | Status<br>Kepemilikan<br>Lahan | Lokasi<br>Lahan | Tipe<br>Lahan | Pekerjaan<br>Utama | Pekerjaan<br>Sampingan |
|----|----------|-----------------|---------------------------------------|---------------------------------|------------------------------------|------------------------------------------|--------------------------------|-----------------|---------------|--------------------|------------------------|
| 21 | Darsono  | 40              | 5                                     | 6                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 22 | Paniran  | 50              | 15                                    | 6                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 23 | Padi     | 51              | 20                                    | 6                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 24 | Parjo    | 45              | 6                                     | 6                               | 2                                  | 4                                        | 1                              | 1               | 2             | 1                  |                        |
| 25 | Maijo    | 55              | 12                                    | 6                               | 2                                  | 5                                        | 1                              | 1               | 2             | 1                  |                        |
| 26 | Anang    | 40              | 4                                     | 12                              | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 27 | Eko      | 34              | 4                                     | 9                               | 2                                  | 5                                        | 1                              | 1               | 2             | 1                  |                        |
| 28 | Parno    | 46              | 10                                    | 6                               | 2                                  | 5                                        | 1                              | 1               | 2             | 1                  |                        |
| 29 | Minto    | 35              | 5                                     | 6                               | 2                                  | 4                                        | 1                              | 1               | 2             | 1                  |                        |
| 30 | Jimin    | 67              | 19                                    | 6                               | 2                                  | 2                                        | 1                              | 1               | 2             | 1                  |                        |
| 31 | Samingan | 52              | 10                                    | 9                               | 2                                  | 4                                        | 1                              | 1               | 2             | 1                  |                        |
| 32 | Sugeng   | 32              | 3                                     | 9                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 33 | Joko     | 34              | 4                                     | 9                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 34 | Badri    | 33              | 4                                     | 9                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 35 | Rokani   | 45              | 15                                    | 6                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 36 | Kabul    | 45              | 8                                     | 6                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 37 | Jumono   | 41              | 5                                     | 9                               | 2                                  | 3                                        | 1                              | 1               | 2             | 1                  |                        |
| 38 | Sutikno  | 45              | 8                                     | 6                               | 2                                  | 5                                        | 1                              | 1               | 2             | 1                  |                        |
| 39 | Didik    | 30              | 8                                     | 9                               | 2                                  | 5                                        | 1                              | 1               | 2             | 1                  |                        |

Lampiran 9. Sarana Produksi Per Hektar dalam Satu Musim Tanam

| No | RESP.     | Produksi (Kg) | Luas lahan (Ha) | Bibit (Kg) | Pupuk (Kg) | Pestisida Cair (Lt) | Pestisida Padat (Kg) | Tenaga Kerja (HOK) |
|----|-----------|---------------|-----------------|------------|------------|---------------------|----------------------|--------------------|
| 1  | Sugiyo    | 2000          | 0,2             | 120        | 140        | 1,25                | 2                    | 106,8              |
| 2  | Sumanan   | 2000          | 0,2             | 120        | 140        | 1,25                | 2                    | 106,8              |
| 3  | Sarjono   | 7500          | 0,75            | 450        | 525        | 3,75                | 7,5                  | 400,5              |
| 4  | Suwoto    | 3000          | 0,3             | 180        | 210        | 1,5                 | 3                    | 160,2              |
| 5  | Manidi    | 10000         | 1               | 600        | 700        | 5                   | 10                   | 534                |
| 6  | Supatmo   | 12500         | 1,25            | 750        | 875        | 6,25                | 12,5                 | 667,5              |
| 7  | Marsono   | 10500         | 1,05            | 630        | 735        | 5,25                | 10,5                 | 560,7              |
| 8  | Siswo     | 10200         | 1,02            | 612        | 714        | 5,1                 | 10,2                 | 544,68             |
| 9  | Rokhim    | 3000          | 0,3             | 180        | 210        | 1,5                 | 3                    | 160,2              |
| 10 | Suyatin   | 3000          | 0,3             | 180        | 210        | 1,5                 | 3                    | 160,2              |
| 11 | Suwardi   | 5000          | 0,5             | 300        | 350        | 2,5                 | 5                    | 267                |
| 12 | Sirin     | 1500          | 0,15            | 90         | 105        | 0,75                | 1,5                  | 80,1               |
| 13 | Parji     | 2000          | 0,2             | 120        | 140        | 1,25                | 2                    | 106,8              |
| 14 | Sumiran   | 3000          | 0,3             | 180        | 210        | 1,5                 | 3                    | 160,2              |
| 15 | Paini     | 5000          | 0,5             | 300        | 350        | 2,5                 | 5                    | 267                |
| 16 | Nardi     | 3000          | 0,3             | 180        | 210        | 1,5                 | 3                    | 160,2              |
| 17 | Amaludin  | 5000          | 0,5             | 300        | 350        | 2,5                 | 5                    | 267                |
| 18 | Supriyadi | 5000          | 0,5             | 300        | 350        | 2,5                 | 5                    | 267                |
| 19 | Wakimen   | 2000          | 0,2             | 120        | 140        | 1,25                | 2                    | 106,8              |
| 20 | Jadi      | 10000         | 1               | 600        | 700        | 5                   | 10                   | 534                |
| 21 | Darsono   | 7000          | 0,7             | 420        | 490        | 3,5                 | 7                    | 373,8              |
| 22 | Paniran   | 2000          | 0,2             | 120        | 140        | 1,25                | 2                    | 106,8              |

## Lampiran 9. (Lanjutan)

| No               | RESP.    | Produksi (Kg)      | Luas lahan (m <sup>2</sup> ) | Bibit (Kg)      | Pupuk (Kg)       | Pestisida Cair (Lt) | Pestisida Padat (Kg) | Tenaga Kerja (HOK) |
|------------------|----------|--------------------|------------------------------|-----------------|------------------|---------------------|----------------------|--------------------|
| 23               | Padi     | 10200              | 1,02                         | 612             | 714              | 5,1                 | 10,2                 | 544,68             |
| 24               | Parjo    | 1000               | 0,1                          | 60              | 70               | 0,5                 | 1,25                 | 53,4               |
| 25               | Maijo    | 2000               | 0,2                          | 120             | 140              | 1,25                | 2                    | 106,8              |
| 26               | Anang    | 3500               | 0,35                         | 210             | 245              | 1,75                | 3,5                  | 186,9              |
| 27               | Eko      | 10200              | 1,02                         | 612             | 714              | 5,1                 | 10,2                 | 544,68             |
| 28               | Parno    | 3500               | 0,35                         | 210             | 245              | 1,75                | 3,5                  | 186,9              |
| 29               | Minto    | 1000               | 0,1                          | 60              | 70               | 0,5                 | 1,25                 | 53,4               |
| 30               | Jimin    | 1500               | 0,15                         | 90              | 105              | 0,75                | 1,5                  | 80,1               |
| 31               | Samingan | 3000               | 0,3                          | 180             | 210              | 1,5                 | 3                    | 160,2              |
| 32               | Sugeng   | 7500               | 0,75                         | 450             | 525              | 3,75                | 7,5                  | 400,5              |
| 33               | Joko     | 2500               | 0,25                         | 150             | 175              | 1,25                | 2,5                  | 133,5              |
| 34               | Badri    | 5000               | 0,5                          | 300             | 350              | 2,5                 | 5                    | 267                |
| 35               | Rokani   | 1500               | 0,15                         | 90              | 105              | 0,75                | 1,5                  | 80,1               |
| 36               | Kabul    | 1500               | 0,15                         | 90              | 105              | 0,75                | 1,5                  | 80,1               |
| 37               | Jumono   | 7000               | 0,7                          | 420             | 490              | 3,5                 | 7                    | 373,8              |
| 38               | Sutikno  | 5000               | 0,5                          | 300             | 350              | 2,5                 | 5                    | 267                |
| 39               | Didik    | 3000               | 0,3                          | 180             | 210              | 1,5                 | 3                    | 160,2              |
| <b>Rata-rata</b> |          | <b>4694,871795</b> | <b>0,4694</b>                | <b>281,6923</b> | <b>328,64103</b> | <b>2,385897436</b>  | <b>4,707692308</b>   | <b>250,7061538</b> |

Lampiran 10. Penggunaan Tenaga Kerja Per Hektar dalam Satu Musim Tanam

| No | RESP.     | Pengolahan Lahan (HOK) |   | Penanaman (HOK) |    | Pemupukan (HOK) |   | Perawatan (HOK) |   | Penyemprotan (HOK) |   | Panen (HOK) |    | Total TK |     | TOTAL TK (HOK) |
|----|-----------|------------------------|---|-----------------|----|-----------------|---|-----------------|---|--------------------|---|-------------|----|----------|-----|----------------|
|    |           | L                      | P | L               | P  | L               | P | L               | P | L                  | P | L           | P  | L        | P   |                |
| 1  | Sugiyono  | 45                     | 0 | 0               | 7  | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5  | 94,8     | 12  | 106,8          |
| 2  | Sumanan   | 45                     | 0 | 0               | 7  | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5  | 94,8     | 12  | 106,8          |
| 3  | Sarjono   | 65                     | 0 | 0               | 40 | 64              | 0 | 70,5            | 0 | 80                 | 0 | 45          | 36 | 324,5    | 76  | 400,5          |
| 4  | Suwoto    | 49                     | 0 | 0               | 21 | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10 | 129,2    | 31  | 160,2          |
| 5  | Manidi    | 105                    | 0 | 0               | 70 | 64              | 0 | 88              | 0 | 81                 | 0 | 68          | 58 | 406      | 128 | 534            |
| 6  | Supatmo   | 116                    | 0 | 0               | 82 | 79              | 0 | 115             | 0 | 107,5              | 0 | 90          | 78 | 507,5    | 160 | 667,5          |
| 7  | Marsono   | 105                    | 0 | 0               | 75 | 69,7            | 0 | 93              | 0 | 76                 | 0 | 75          | 67 | 418,7    | 142 | 560,7          |
| 8  | Siswo     | 107                    | 0 | 0               | 55 | 69              | 0 | 93              | 0 | 78,68              | 0 | 75          | 67 | 422,68   | 122 | 544,68         |
| 9  | Rokhim    | 49                     | 0 | 0               | 21 | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10 | 129,2    | 31  | 160,2          |
| 10 | Suyatin   | 49                     | 0 | 0               | 21 | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10 | 129,2    | 31  | 160,2          |
| 11 | Suwardi   | 86                     | 0 | 0               | 30 | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10 | 227      | 40  | 267            |
| 12 | Sirin     | 25                     | 0 | 0               | 7  | 8               | 0 | 12,1            | 0 | 15                 | 0 | 7           | 6  | 67,1     | 13  | 80,1           |
| 13 | Parji     | 45                     | 0 | 0               | 7  | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5  | 94,8     | 12  | 106,8          |
| 14 | Sumiran   | 49                     | 0 | 0               | 21 | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10 | 129,2    | 31  | 160,2          |
| 15 | Paini     | 86                     | 0 | 0               | 30 | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10 | 227      | 40  | 267            |
| 16 | Nardi     | 49                     | 0 | 0               | 21 | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10 | 129,2    | 31  | 160,2          |
| 17 | Amaludin  | 86                     | 0 | 0               | 30 | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10 | 227      | 40  | 267            |
| 18 | Supriyadi | 86                     | 0 | 0               | 30 | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10 | 227      | 40  | 267            |
| 19 | Wakimen   | 45                     | 0 | 0               | 7  | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5  | 94,8     | 12  | 106,8          |
| 20 | Jadi      | 105                    | 0 | 0               | 70 | 64              | 0 | 88              | 0 | 81                 | 0 | 68          | 58 | 406      | 128 | 534            |

## Lampiran 10. (Lanjutan)

| No        | RESP.    | Pengolahan Lahan (HOK) |   | Penanaman (HOK) |       | Pemupukan (HOK) |   | Perawatan (HOK) |   | Penyemprotan (HOK) |   | Panen (HOK) |       | Total TK |       | TOTAL TK (HOK) |
|-----------|----------|------------------------|---|-----------------|-------|-----------------|---|-----------------|---|--------------------|---|-------------|-------|----------|-------|----------------|
|           |          | L                      | P | L               | P     | L               | P | L               | P | L                  | P | L           | P     | L        | P     |                |
| 21        | Darsono  | 65,3                   | 0 | 0               | 40    | 64              | 0 | 70,5            | 0 | 69                 | 0 | 35          | 30    | 303,8    | 70    | 373,8          |
| 22        | Paniran  | 45                     | 0 | 0               | 7     | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5     | 94,8     | 12    | 106,8          |
| 23        | Padi     | 107                    | 0 | 0               | 55    | 69              | 0 | 93              | 0 | 78,68              | 0 | 75          | 67    | 422,68   | 122   | 544,68         |
| 24        | Parjo    | 15                     | 0 | 0               | 7     | 8               | 0 | 7,1             | 0 | 9                  | 0 | 4,3         | 3     | 43,4     | 10    | 53,4           |
| 25        | Maijo    | 45                     | 0 | 0               | 7     | 8               | 0 | 19,8            | 0 | 15                 | 0 | 7           | 5     | 94,8     | 12    | 106,8          |
| 26        | Anang    | 53                     | 0 | 0               | 26    | 16,7            | 0 | 34,2            | 0 | 15                 | 0 | 27          | 15    | 145,9    | 41    | 186,9          |
| 27        | Eko      | 107                    | 0 | 0               | 55    | 69              | 0 | 93              | 0 | 78,68              | 0 | 75          | 67    | 422,68   | 122   | 544,68         |
| 28        | Parno    | 53                     | 0 | 0               | 26    | 16,7            | 0 | 34,2            | 0 | 15                 | 0 | 27          | 15    | 145,9    | 41    | 186,9          |
| 29        | Minto    | 15                     | 0 | 0               | 7     | 8               | 0 | 7,1             | 0 | 9                  | 0 | 4,3         | 3     | 43,4     | 10    | 53,4           |
| 30        | Jimin    | 25                     | 0 | 0               | 7     | 8               | 0 | 12,1            | 0 | 15                 | 0 | 7           | 6     | 67,1     | 13    | 80,1           |
| 31        | Samingan | 49                     | 0 | 0               | 21    | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10    | 129,2    | 31    | 160,2          |
| 32        | Sugeng   | 65                     | 0 | 0               | 40    | 64              | 0 | 70,5            | 0 | 80                 | 0 | 45          | 36    | 324,5    | 76    | 400,5          |
| 33        | Joko     | 30                     | 0 | 0               | 15    | 14              | 0 | 34,2            | 0 | 15,3               | 0 | 15          | 10    | 108,5    | 25    | 133,5          |
| 34        | Badri    | 86                     | 0 | 0               | 30    | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10    | 227      | 40    | 267            |
| 35        | Rokani   | 25                     | 0 | 0               | 7     | 8               | 0 | 12,1            | 0 | 15                 | 0 | 7           | 6     | 67,1     | 13    | 80,1           |
| 36        | Kabul    | 25                     | 0 | 0               | 7     | 8               | 0 | 12,1            | 0 | 15                 | 0 | 7           | 6     | 67,1     | 13    | 80,1           |
| 37        | Jumono   | 65,3                   | 0 | 0               | 40    | 64              | 0 | 70,5            | 0 | 69                 | 0 | 35          | 30    | 303,8    | 70    | 373,8          |
| 38        | Sutikno  | 86                     | 0 | 0               | 30    | 38              | 0 | 64              | 0 | 22                 | 0 | 17          | 10    | 227      | 40    | 267            |
| 39        | Didik    | 49                     | 0 | 0               | 21    | 16              | 0 | 34,2            | 0 | 15                 | 0 | 15          | 10    | 129,2    | 31    | 160,2          |
| Rata-rata |          | 61,73                  | 0 | 0               | 28,21 | 31,36           | 0 | 47,50           | 0 | 34,10              | 0 | 26,68       | 21,13 | 201,37   | 49,33 | 250,71         |

Lampiran 11. Biaya Pajak Lahan Usahatani Bawang Merah

| RESP.            | Luas Lahan (Ha) | Biaya Pajak Lahan (Rp/Ha/Tahun) | Biaya Pajak Lahan (Rp/Ha/Bulan) | Biaya Pajak Lahan (Rp/Ha/Musim Tanam) |
|------------------|-----------------|---------------------------------|---------------------------------|---------------------------------------|
| 1                | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 2                | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 3                | 0,75            | 135000,00                       | 11250,00                        | 33750,00                              |
| 4                | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 5                | 1               | 180000,00                       | 15000,00                        | 45000,00                              |
| 6                | 1,25            | 225000,00                       | 18750,00                        | 56250,00                              |
| 7                | 1,05            | 189000,00                       | 15750,00                        | 47250,00                              |
| 8                | 1,02            | 183600,00                       | 15300,00                        | 45900,00                              |
| 9                | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 10               | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 11               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 12               | 0,15            | 27000,00                        | 2250,00                         | 6750,00                               |
| 13               | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 14               | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 15               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 16               | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 17               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 18               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 19               | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 20               | 1               | 180000,00                       | 15000,00                        | 45000,00                              |
| 21               | 0,7             | 126000,00                       | 10500,00                        | 31500,00                              |
| 22               | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 23               | 1,02            | 183600,00                       | 15300,00                        | 45900,00                              |
| 24               | 0,1             | 18000,00                        | 1500,00                         | 4500,00                               |
| 25               | 0,2             | 36000,00                        | 3000,00                         | 9000,00                               |
| 26               | 0,35            | 63000,00                        | 5250,00                         | 15750,00                              |
| 27               | 1,02            | 183600,00                       | 15300,00                        | 45900,00                              |
| 28               | 0,35            | 63000,00                        | 5250,00                         | 15750,00                              |
| 29               | 0,1             | 18000,00                        | 1500,00                         | 4500,00                               |
| 30               | 0,15            | 27000,00                        | 2250,00                         | 6750,00                               |
| 31               | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| 32               | 0,75            | 135000,00                       | 11250,00                        | 33750,00                              |
| 33               | 0,25            | 45000,00                        | 3750,00                         | 11250,00                              |
| 34               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 35               | 0,15            | 27000,00                        | 2250,00                         | 6750,00                               |
| 36               | 0,15            | 27000,00                        | 2250,00                         | 6750,00                               |
| 37               | 0,7             | 126000,00                       | 10500,00                        | 31500,00                              |
| 38               | 0,5             | 90000,00                        | 7500,00                         | 22500,00                              |
| 39               | 0,3             | 54000,00                        | 4500,00                         | 13500,00                              |
| <b>Rata-rata</b> |                 | <b>Rp84.507,69</b>              | <b>Rp7.042,31</b>               | <b>Rp21.126,92</b>                    |

Lampiran 12. Peralatan Usahatani Bawang Merah Petani Responden

| RESP. | Peralatan    |                |                |               |                |
|-------|--------------|----------------|----------------|---------------|----------------|
|       | Timba (Unit) | Sprayer (Unit) | Traktor (Unit) | Diesel (Unit) | Cangkul (Unit) |
| 1     | 2            | 1              | 1              | 1             | 2              |
| 2     | 2            | 1              | 1              | 1             | 1              |
| 3     | 2            | 1              | 0              | 0             | 1              |
| 4     | 2            | 1              | 0              | 0             | 1              |
| 5     | 3            | 1              | 1              | 1             | 2              |
| 6     | 4            | 1              | 1              | 1             | 3              |
| 7     | 5            | 1              | 1              | 1             | 2              |
| 8     | 4            | 1              | 1              | 1             | 1              |
| 9     | 3            | 1              | 0              | 0             | 1              |
| 10    | 2            | 1              | 0              | 0             | 1              |
| 11    | 2            | 1              | 0              | 0             | 1              |
| 12    | 2            | 1              | 1              | 1             | 1              |
| 13    | 2            | 1              | 0              | 0             | 1              |
| 14    | 4            | 1              | 0              | 0             | 1              |
| 15    | 4            | 1              | 1              | 1             | 1              |
| 16    | 3            | 1              | 0              | 0             | 1              |
| 17    | 2            | 1              | 1              | 1             | 1              |
| 18    | 2            | 1              | 0              | 0             | 1              |
| 19    | 2            | 1              | 0              | 0             | 1              |
| 20    | 4            | 1              | 1              | 1             | 2              |
| 21    | 2            | 1              | 0              | 0             | 1              |
| 22    | 2            | 1              | 0              | 0             | 1              |
| 23    | 4            | 1              | 1              | 1             | 2              |
| 24    | 2            | 1              | 0              | 0             | 1              |
| 25    | 2            | 1              | 0              | 0             | 1              |
| 26    | 2            | 1              | 0              | 0             | 1              |
| 27    | 4            | 1              | 1              | 1             | 1              |
| 28    | 3            | 1              | 1              | 1             | 1              |
| 29    | 2            | 1              | 0              | 0             | 1              |
| 30    | 1            | 1              | 0              | 0             | 1              |
| 31    | 2            | 1              | 1              | 1             | 1              |
| 32    | 1            | 1              | 0              | 0             | 1              |
| 33    | 1            | 1              | 0              | 0             | 1              |
| 34    | 1            | 1              | 1              | 1             | 1              |
| 35    | 2            | 1              | 1              | 1             | 1              |
| 36    | 3            | 1              | 1              | 1             | 2              |
| 37    | 1            | 1              | 1              | 1             | 1              |
| 38    | 1            | 1              | 0              | 0             | 2              |
| 39    | 1            | 1              | 0              | 0             | 2              |

Lampiran 13. Biaya Penyusutan Peralatan Petani Responden

| RESP | Biaya Peenyusutan (Rp/Musim Tanam) |          |           |           |          | Total     |
|------|------------------------------------|----------|-----------|-----------|----------|-----------|
|      | Timba                              | Sprayer  | Traktor   | Diesel    | Cangkul  |           |
| 1    | 7500,00                            | 15000,00 | 458333,33 | 203125,00 | 11250,00 | 695208,33 |
| 2    | 7500,00                            | 15000,00 | 375000,00 | 237500,00 | 5625,00  | 640625,00 |
| 3    | 10000,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 30625,00  |
| 4    | 8750,00                            | 15000,00 | 0,00      | 0,00      | 5625,00  | 29375,00  |
| 5    | 22500,00                           | 15000,00 | 437500,00 | 277777,78 | 11250,00 | 764027,78 |
| 6    | 35000,00                           | 15000,00 | 458333,33 | 281250,00 | 16875,00 | 806458,33 |
| 7    | 17500,00                           | 15000,00 | 375000,00 | 291666,67 | 11250,00 | 710416,67 |
| 8    | 16666,67                           | 15000,00 | 458333,33 | 254166,67 | 5625,00  | 749791,67 |
| 9    | 21750,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 42375,00  |
| 10   | 6250,00                            | 15000,00 | 0,00      | 0,00      | 5625,00  | 26875,00  |
| 11   | 12500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 33125,00  |
| 12   | 6250,00                            | 15000,00 | 437500,00 | 250000,00 | 5625,00  | 714375,00 |
| 13   | 7000,00                            | 15000,00 | 0,00      | 0,00      | 5625,00  | 27625,00  |
| 14   | 17500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 38125,00  |
| 15   | 15000,00                           | 15000,00 | 375000,00 | 325000,00 | 5625,00  | 735625,00 |
| 16   | 22500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 43125,00  |
| 17   | 12500,00                           | 15000,00 | 458333,33 | 325000,00 | 5625,00  | 816458,33 |
| 18   | 12500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 33125,00  |
| 19   | 12500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 33125,00  |
| 20   | 17500,00                           | 15000,00 | 437500,00 | 291666,67 | 11250,00 | 772916,67 |
| 21   | 14500,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 35125,00  |
| 22   | 15000,00                           | 15000,00 | 0,00      | 0,00      | 5625,00  | 35625,00  |

Lampiran 13. (Lanjutan)

| RESP      | Biaya Penyusuta (Rp/Musim Tanam) |                    |                     |                     |                   | Total Biaya         |
|-----------|----------------------------------|--------------------|---------------------|---------------------|-------------------|---------------------|
|           | Timba                            | Sprayer            | Traktor             | Diesel              | Cangkul           |                     |
| 23        | 30000,00                         | 15000,00           | 541666,67           | 281250,0            | 11250,00          | 879166,67           |
| 24        | 6250,00                          | 15000,00           | 0,00                | 0,00                | 5625,00           | 26875,00            |
| 25        | 6750,00                          | 15000,00           | 0,00                | 0,00                | 5625,00           | 27375,00            |
| 26        | 6500,00                          | 15000,00           | 0,00                | 0,00                | 5625,00           | 27125,00            |
| 27        | 12500,00                         | 15000,00           | 500000,00           | 1250000,00          | 5625,00           | 1783125,00          |
| 28        | 9375,00                          | 15000,00           | 458333,33           | 280000,00           | 5625,00           | 768333,33           |
| 29        | 12500,00                         | 15000,000          | 0,00                | 0,00                | 5625,00           | 33125,00            |
| 30        | 37500,00                         | 15000,00           | 0,00                | 0,00                | 5625,00           | 58125,00            |
| 31        | 15000,00                         | 15000,00           | 437500,00           | 325000,00           | 5625,00           | 798125,00           |
| 32        | 3750,00                          | 15000,00           | 0,00                | 0,00                | 5625,00           | 24375,00            |
| 33        | 7500,00                          | 15000,00           | 0,00                | 0,00                | 5625,00           | 28125,00            |
| 34        | 4375,00                          | 15000,00           | 500000,00           | 208333,33           | 5625,00           | 733333,33           |
| 35        | 17500,00                         | 15000,00           | 541666,67           | 281250,00           | 5625,00           | 861041,67           |
| 36        | 11250,00                         | 15000,00           | 583333,33           | 250000,00           | 11250,00          | 870833,33           |
| 37        | 4375,00                          | 15000,00           | 458333,33           | 265000,00           | 5625,00           | 748333,33           |
| 38        | 4375,00                          | 15000,00           | 0,00                | 0,00                | 11250,00          | 30625,00            |
| 39        | 15000,00                         | 15000,00           | 0,00                | 0,00                | 5625,00           | 35625,00            |
| Rata-rata | <b>Rp13.414,53</b>               | <b>Rp15.000,00</b> | <b>Rp212.606,84</b> | <b>Rp150.717,59</b> | <b>Rp6.923,08</b> | <b>Rp398.662,04</b> |

Lampiran 14. Biaya Variabel Usahatani Bawang Merah

| RESP | Biaya Variabel (Rp) |                  |                           |                            |               |                      | Total Biaya Variabel (Rp) |
|------|---------------------|------------------|---------------------------|----------------------------|---------------|----------------------|---------------------------|
|      | Biaya Bibit(Rp)     | Biaya Pupuk (Rp) | Biaya Pestisida Cair (Rp) | Biaya Pestisida Padat (Rp) | Biaya TK (Rp) | Biaya Lain-lain (Rp) |                           |
| 1    | 1200000,00          | 401000,00        | 196500,00                 | 610000,00                  | 3084000,00    | 200000,00            | 5691500,00                |
| 2    | 1200000,00          | 401000,00        | 196500,00                 | 610000,00                  | 3084000,00    | 200000,00            | 5691500,00                |
| 3    | 4500000,00          | 1503750,00       | 736650,00                 | 2385000,00                 | 11255000,00   | 750000,00            | 21130400,00               |
| 4    | 1800000,00          | 601500,00        | 283500,00                 | 720000,00                  | 4496000,00    | 300000,00            | 8201000,00                |
| 5    | 6000000,00          | 2005000,00       | 982500,00                 | 3050000,00                 | 14740000,00   | 1000000,00           | 27777500,00               |
| 6    | 7500000,00          | 2506250,00       | 1222500,00                | 3910000,00                 | 18425000,00   | 1250000,00           | 34813750,00               |
| 7    | 6300000,00          | 2105250,00       | 1059750,00                | 2910000,00                 | 15401000,00   | 1050000,00           | 28826000,00               |
| 8    | 6120000,00          | 2045100,00       | 999900,00                 | 3072000,00                 | 15120400,00   | 1020000,00           | 28377400,00               |
| 9    | 1800000,00          | 601500,00        | 283500,00                 | 915000,00                  | 4496000,00    | 300000,00            | 8396000,00                |
| 10   | 1800000,00          | 601500,00        | 283500,00                 | 720000,00                  | 4496000,00    | 300000,00            | 8201000,00                |
| 11   | 3000000,00          | 1002500,00       | 502500,00                 | 1720000,00                 | 7610000,00    | 500000,00            | 14335000,00               |
| 12   | 900000,00           | 300750,00        | 153000,00                 | 360000,00                  | 2273000,00    | 150000,00            | 4136750,00                |
| 13   | 1200000,00          | 401000,00        | 196500,00                 | 610000,00                  | 3084000,00    | 200000,00            | 5691500,00                |
| 14   | 1800000,00          | 601500,00        | 283500,00                 | 915000,00                  | 4496000,00    | 300000,00            | 8396000,00                |
| 15   | 3000000,00          | 1002500,00       | 480000,00                 | 1330000,00                 | 7610000,00    | 500000,00            | 13922500,00               |
| 16   | 1800000,00          | 601500,00        | 306000,00                 | 720000,00                  | 4496000,00    | 300000,00            | 8223500,00                |
| 17   | 3000000,00          | 1002500,00       | 502500,00                 | 1525000,00                 | 7610000,00    | 500000,00            | 14140000,00               |
| 18   | 3000000,00          | 1002500,00       | 457500,00                 | 1525000,00                 | 7610000,00    | 500000,00            | 14095000,00               |
| 19   | 1200000,00          | 401000,00        | 196500,00                 | 610000,00                  | 3084000,00    | 200000,00            | 5691500,00                |
| 20   | 6000000,00          | 2005000,00       | 982500,00                 | 2855000,00                 | 14740000,00   | 1000000,00           | 27582500,00               |

Lampiran 14. (Lanjutan)

| RESP             | Biaya Variabel (Rp) |                  |                           |                            |                   |                      | Total Biaya Variabel (Rp) |
|------------------|---------------------|------------------|---------------------------|----------------------------|-------------------|----------------------|---------------------------|
|                  | Biaya Bibit (Rp)    | Biaya Pupuk (Rp) | Biaya Pestisida Cair (Rp) | Biaya Pestisida Padat (Rp) | Biaya TK (Rp)     | Biaya Lain-lain (Rp) |                           |
| 21               | 4200000,00          | 1403500,00       | 631500,00                 | 1940000,00                 | 10514000,00       | 700000,00            | 19389000,00               |
| 22               | 1200000,00          | 401000,00        | 174000,00                 | 610000,00                  | 3084000,00        | 200000,00            | 5669000,00                |
| 23               | 6120000,00          | 2045100,00       | 999900,00                 | 3072000,00                 | 15120400,00       | 1020000,00           | 28377400,00               |
| 24               | 600000,00           | 200500,00        | 87000,00                  | 305000,00                  | 1502000,00        | 100000,00            | 2794500,00                |
| 25               | 1200000,00          | 401000,00        | 196500,00                 | 610000,00                  | 3084000,00        | 200000,00            | 5691500,00                |
| 26               | 2100000,00          | 701750,00        | 338250,00                 | 7720000,00                 | 5197000,00        | 350000,00            | 16407000,00               |
| 27               | 6120000,00          | 2045100,00       | 1026900,00                | 3072000,00                 | 15120400,00       | 1020000,00           | 28404400,00               |
| 28               | 2100000,00          | 701750,00        | 338250,00                 | 1165000,00                 | 5197000,00        | 350000,00            | 9852000,00                |
| 29               | 600000,00           | 200500,00        | 98250,00                  | 305000,00                  | 1502000,00        | 100000,00            | 2805750,00                |
| 30               | 900000,00           | 300750,00        | 153000,00                 | 457500,00                  | 2273000,00        | 150000,00            | 4234250,00                |
| 31               | 1800000,00          | 601500,00        | 306000,00                 | 1110000,00                 | 4496000,00        | 300000,00            | 8613500,00                |
| 32               | 4500000,00          | 1503750,00       | 708750,00                 | 2385000,00                 | 11255000,00       | 750000,00            | 21102500,00               |
| 33               | 1500000,00          | 501250,00        | 228750,00                 | 762500,00                  | 3755000,00        | 250000,00            | 6997500,00                |
| 34               | 3000000,00          | 1002500,00       | 457500,00                 | 1525000,00                 | 7610000,00        | 500000,00            | 14095000                  |
| 35               | 900000,00           | 300750,00        | 164250,00                 | 360000,00                  | 2273000,00        | 150000,00            | 4148000,00                |
| 36               | 900000,00           | 300750,00        | 141750,00                 | 555000,00                  | 2273000,00        | 150000,00            | 4320500,00                |
| 37               | 4200000,00          | 1403500,00       | 676500,00                 | 2135000,00                 | 10514000,00       | 700000,00            | 19629000,00               |
| 38               | 3000000,00          | 1002500,00       | 457500,00                 | 1525000,00                 | 7610000,00        | 500000,00            | 14095000,00               |
| 39               | 1800000,00          | 601500,00        | 306000,00                 | 1110000,00                 | 4496000,00        | 300000,00            | 8613500,00                |
| <b>Rata-rata</b> | <b>2816923,00</b>   | <b>941321,80</b> | <b>456303,90</b>          | <b>1584513,00</b>          | <b>7027851,00</b> | <b>469487,20</b>     | <b>13296400,00</b>        |

## Lampiran 15. Biaya Tenaga Kerja Usahatani Bawang Merah

| RESP | Biaya Pengolahan Lahan (Rp) |      | Biaya Penanaman (Rp) |            | Biaya Pemupukan (Rp) |      | Biaya Perawatan (Rp) |      | Biaya Penyemprotan (TRp) |      | Biaya Panen (Rp) |         | Total (Rp) |         | TOTAL BIAYA (Rp) |
|------|-----------------------------|------|----------------------|------------|----------------------|------|----------------------|------|--------------------------|------|------------------|---------|------------|---------|------------------|
|      | L                           | P    | L                    | P          | L                    | p    | L                    | P    | L                        | P    | L                | P       | p          | L       |                  |
| 1    | 1350000,00                  | 0,00 | 0,00                 | 140000,00  | 240000,00            | 0,00 | 594000,00            | 0,00 | 450000,00                | 0,00 | 210000           | 100000  | 2844000    | 240000  | 3084000          |
| 2    | 1350000,00                  | 0,00 | 0,00                 | 140000,00  | 240000,00            | 0,00 | 594000,00            | 0,00 | 450000,00                | 0,00 | 210000           | 100000  | 2844000    | 240000  | 3084000          |
| 3    | 1950000,00                  | 0,00 | 0,00                 | 800000,00  | 1920000,00           | 0,00 | 2115000,00           | 0,00 | 2400000,00               | 0,00 | 1350000          | 720000  | 9735000    | 1520000 | 11255000         |
| 4    | 1470000,00                  | 0,00 | 0,00                 | 420000,00  | 480000,00            | 0,00 | 1026000,00           | 0,00 | 450000                   | 0,00 | 450000           | 200000  | 3876000    | 620000  | 4496000          |
| 5    | 3150000,00                  | 0,00 | 0,00                 | 1400000,00 | 1920000,00           | 0,00 | 2640000,00           | 0,00 | 2430000                  | 0,00 | 2040000          | 1160000 | 12180000   | 2560000 | 14740000         |
| 6    | 3480000,00                  | 0,00 | 0,00                 | 1640000,00 | 2370000,00           | 0,00 | 3450000,00           | 0,00 | 3225000                  | 0,00 | 2700000          | 1560000 | 15225000   | 3200000 | 18425000         |
| 7    | 3150000,00                  | 0,00 | 0,00                 | 1500000,00 | 2091000,00           | 0,00 | 2790000,00           | 0,00 | 2280000                  | 0,00 | 2250000          | 1340000 | 12561000   | 2840000 | 15401000         |
| 8    | 3210000,00                  | 0,00 | 0,00                 | 1100000,00 | 2070000,00           | 0,00 | 2790000,00           | 0,00 | 2360400                  | 0,00 | 2250000          | 1340000 | 12680400   | 2440000 | 15120400         |
| 9    | 1470000,00                  | 0,00 | 0,00                 | 420000,00  | 480000,00            | 0,00 | 1026000,00           | 0,00 | 450000                   | 0,00 | 450000           | 200000  | 3876000    | 620000  | 4496000          |
| 10   | 1470000,00                  | 0,00 | 0,00                 | 420000,00  | 480000,00            | 0,00 | 1026000,00           | 0,00 | 450000                   | 0,00 | 450000           | 200000  | 3876000    | 620000  | 4496000          |
| 11   | 2580000,00                  | 0,00 | 0,00                 | 600000,00  | 1140000,00           | 0,00 | 1920000,00           | 0,00 | 660000                   | 0,00 | 510000           | 200000  | 6810000    | 800000  | 7610000          |
| 12   | 750000,00                   | 0,00 | 0,00                 | 140000,00  | 240000,00            | 0,00 | 363000,00            | 0,00 | 450000                   | 0,00 | 210000           | 120000  | 2013000    | 260000  | 2273000          |
| 13   | 1350000,00                  | 0,00 | 0,00                 | 140000,00  | 240000,00            | 0,00 | 594000,00            | 0,00 | 450000                   | 0,00 | 210000           | 100000  | 2844000    | 240000  | 3084000          |
| 14   | 1470000,00                  | 0,00 | 0,00                 | 420000,00  | 480000,00            | 0,00 | 1026000,00           | 0,00 | 450000                   | 0,00 | 450000           | 200000  | 3876000    | 620000  | 4496000          |
| 15   | 2580000,00                  | 0,00 | 0,00                 | 600000,00  | 1140000,00           | 0,00 | 1920000,00           | 0,00 | 660000                   | 0,00 | 510000           | 200000  | 6810000    | 800000  | 7610000          |
| 16   | 1470000,00                  | 0,00 | 0,00                 | 420000,00  | 480000,00            | 0,00 | 1026000,00           | 0,00 | 450000                   | 0,00 | 450000           | 200000  | 3876000    | 620000  | 4496000          |
| 17   | 2580000,00                  | 0,00 | 0,00                 | 600000,00  | 1140000,00           | 0,00 | 1920000,00           | 0,00 | 660000                   | 0,00 | 510000           | 200000  | 6810000    | 800000  | 7610000          |
| 18   | 2580000,00                  | 0,00 | 0,00                 | 600000,00  | 1140000,00           | 0,00 | 1920000,00           | 0,00 | 660000                   | 0,00 | 510000           | 200000  | 6810000    | 800000  | 7610000          |
| 19   | 1350000,00                  | 0,00 | 0,00                 | 140000,00  | 240000,00            | 0,00 | 594000,00            | 0,00 | 450000                   | 0,00 | 210000           | 100000  | 2844000    | 240000  | 3084000          |
| 20   | 3150000,00                  | 0,00 | 0,00                 | 1400000,00 | 1920000,00           | 0,00 | 2640000,00           | 0,00 | 2430000                  | 0,00 | 2040000          | 1160000 | 12180000   | 2560000 | 14740000         |
| 21   | 1959000,00                  | 0,00 | 0,00                 | 800000,00  | 1920000,00           | 0,00 | 2115000,00           | 0,00 | 2070000                  | 0,00 | 1050000          | 600000  | 9114000    | 1400000 | 10514000         |

Lampiran 15. (Lanjutan)

| RESP             | Biaya Pengolahan Lahan (Rp) |             | Biaya Penanaman (Rp) |                  | Biaya Pemupukan (Rp) |             | Biaya Perawatan (Rp) |             | Biaya Penyemprotan (Rp) |             | Biaya Panen (Rp) |                  | Total (Rp)        |                  | Total Biaya (Rp)  |
|------------------|-----------------------------|-------------|----------------------|------------------|----------------------|-------------|----------------------|-------------|-------------------------|-------------|------------------|------------------|-------------------|------------------|-------------------|
|                  | L                           | P           | L                    | P                | L                    | P           | L                    | P           | L                       | P           | L                | P                | L                 | P                |                   |
| 22               | 1350000,00                  | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 594000,00            | 0,00        | 450000,00               | 0,00        | 210000           | 100000           | 2844000           | 240000           | 3084000           |
| 23               | 3210000,00                  | 0,00        | 0,00                 | 1100000,00       | 2070000,00           | 0,00        | 2790000,00           | 0,00        | 2360400,00              | 0,00        | 2250000          | 1340000          | 12680400          | 2440000          | 15120400          |
| 24               | 450000,00                   | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 213000,00            | 0,00        | 270000,00               | 0,00        | 129000           | 60000            | 1302000           | 200000           | 1502000           |
| 25               | 1350000,00                  | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 594000,00            | 0,00        | 450000,00               | 0,00        | 210000           | 100000           | 2844000           | 240000           | 3084000           |
| 26               | 1590000,00                  | 0,00        | 0,00                 | 520000,00        | 501000,00            | 0,00        | 1026000,00           | 0,00        | 450000,00               | 0,00        | 810000           | 300000           | 4377000           | 820000           | 5197000           |
| 27               | 3210000,00                  | 0,00        | 0,00                 | 1100000,00       | 2070000,00           | 0,00        | 2790000,00           | 0,00        | 2360400,00              | 0,00        | 2250000          | 1340000          | 12680400          | 2440000          | 15120400          |
| 28               | 1590000,00                  | 0,00        | 0,00                 | 520000,00        | 501000,00            | 0,00        | 1026000,00           | 0,00        | 450000,00               | 0,00        | 810000           | 300000           | 4377000           | 820000           | 5197000           |
| 29               | 450000,00                   | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 213000,00            | 0,00        | 270000,00               | 0,00        | 129000           | 60000            | 1302000           | 200000           | 1502000           |
| 30               | 750000,00                   | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 363000,00            | 0,00        | 450000,00               | 0,00        | 210000           | 120000           | 2013000           | 260000           | 2273000           |
| 31               | 1470000,00                  | 0,00        | 0,00                 | 420000,00        | 480000,00            | 0,00        | 1026000,00           | 0,00        | 450000,00               | 0,00        | 450000           | 200000           | 3876000           | 620000           | 4496000           |
| 32               | 1950000,00                  | 0,00        | 0,00                 | 800000,00        | 1920000,00           | 0,00        | 2115000,00           | 0,00        | 2400000,00              | 0,00        | 1350000          | 720000           | 9735000           | 1520000          | 11255000          |
| 33               | 900000,00                   | 0,00        | 0,00                 | 300000,00        | 420000,00            | 0,00        | 1026000,00           | 0,00        | 459000,00               | 0,00        | 450000           | 200000           | 3255000           | 500000           | 3755000           |
| 34               | 2580000,00                  | 0,00        | 0,00                 | 600000,00        | 1140000,00           | 0,00        | 1920000,00           | 0,00        | 660000,00               | 0,00        | 510000           | 200000           | 6810000           | 800000           | 7610000           |
| 35               | 750000,00                   | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 363000,00            | 0,00        | 450000,00               | 0,00        | 210000           | 120000           | 2013000           | 260000           | 2273000           |
| 36               | 750000,00                   | 0,00        | 0,00                 | 140000,00        | 240000,00            | 0,00        | 363000,00            | 0,00        | 450000,00               | 0,00        | 210000           | 120000           | 2013000           | 260000           | 2273000           |
| 37               | 1959000,00                  | 0,00        | 0,00                 | 800000,00        | 1920000,00           | 0,00        | 2115000,00           | 0,00        | 2070000,00              | 0,00        | 1050000          | 600000           | 9114000           | 1400000          | 10514000          |
| 38               | 2580000,00                  | 0,00        | 0,00                 | 600000,00        | 1140000,00           | 0,00        | 1920000,00           | 0,00        | 660000,00               | 0,00        | 510000           | 200000           | 6810000           | 800000           | 7610000           |
| 39               | 1470000,00                  | 0,00        | 0,00                 | 420000,00        | 480000,00            | 0,00        | 1026000,00           | 0,00        | 450000,00               | 0,00        | 450000           | 200000           | 3876000           | 620000           | 4496000           |
| <b>Rata-rata</b> | <b>1852000,00</b>           | <b>0,00</b> | <b>0,00</b>          | <b>564102,56</b> | <b>940846,15</b>     | <b>0,00</b> | <b>1424923,08</b>    | <b>0,00</b> | <b>1022953,85</b>       | <b>0,00</b> | <b>800461,54</b> | <b>422564,10</b> | <b>6041184,62</b> | <b>986666,67</b> | <b>7027851,28</b> |

Lampiran 16. Biaya Total Usahatani Bawang Merah

| RESP | Total Biaya (Rp) |          | Biaya Total (Rp) |
|------|------------------|----------|------------------|
|      | Tetap            | Variabel |                  |
| 1    | 704208,33        | 5691500  | 6395708,33       |
| 2    | 649625,00        | 5691500  | 6341125,00       |
| 3    | 64375,00         | 21130400 | 21194775,00      |
| 4    | 42875,00         | 8201000  | 8243875,00       |
| 5    | 809027,78        | 27777500 | 28586527,78      |
| 6    | 862708,33        | 34813750 | 35676458,33      |
| 7    | 757666,67        | 28826000 | 29583666,67      |
| 8    | 795691,67        | 28377400 | 29173091,67      |
| 9    | 55875,00         | 8396000  | 8451875,00       |
| 10   | 40375,00         | 8201000  | 8241375,00       |
| 11   | 55625,00         | 14335000 | 14390625,00      |
| 12   | 721125,00        | 4136750  | 4857875,00       |
| 13   | 36625,00         | 5691500  | 5728125,00       |
| 14   | 51625,00         | 8396000  | 8447625,00       |
| 15   | 758125,00        | 13922500 | 14680625,00      |
| 16   | 56625,00         | 8223500  | 8280125,00       |
| 17   | 838958,33        | 14140000 | 14978958,33      |
| 18   | 55625,00         | 14095000 | 14150625,00      |
| 19   | 42125,00         | 5691500  | 5733625,00       |
| 20   | 817916,67        | 27582500 | 28400416,67      |
| 21   | 66625,00         | 19389000 | 19455625,00      |
| 22   | 44625,00         | 5669000  | 5713625,00       |

Lampiran 16. (Lanjutan)

| RESP             | Total Biaya (Rp) |                 | Biaya Total (Rp) |
|------------------|------------------|-----------------|------------------|
|                  | Tetap            | Variabel        |                  |
| 23               | 925066,67        | 28377400        | 29302467         |
| 24               | 31375            | 2794500         | 2825875          |
| 25               | 36375            | 5691500         | 5727875          |
| 26               | 42875            | 16407000        | 16449875         |
| 27               | 1829025          | 28404400        | 30233425         |
| 28               | 784083,33        | 9852000         | 10636083         |
| 29               | 37625            | 2805750         | 2843375          |
| 30               | 64875            | 4234250         | 4299125          |
| 31               | 811625           | 8613500         | 9425125          |
| 32               | 58125            | 21102500        | 21160625         |
| 33               | 39375            | 6997500         | 7036875          |
| 34               | 755833,33        | 14095000        | 14850833         |
| 35               | 867791,67        | 4148000         | 5015791,7        |
| 36               | 877583,33        | 4320500         | 5198083,3        |
| 37               | 779833,33        | 19629000        | 20408833         |
| 38               | 53125            | 14095000        | 14148125         |
| 39               | 49125            | 8613500         | 8662625          |
| <b>Rata-rata</b> | <b>419789</b>    | <b>13296400</b> | <b>13716189</b>  |

Lampiran 17. Penerimaan Usahatani Bawang Merah

| RESP | Produksi (Kg) | Harga Jual (Rp/Kg) | Penerimaan (Rp) |
|------|---------------|--------------------|-----------------|
| 1    | 2000          | 10000              | 20000000        |
| 2    | 2000          | 10000              | 20000000        |
| 3    | 7500          | 12000              | 90000000        |
| 4    | 3000          | 12000              | 36000000        |
| 5    | 10000         | 13500              | 135000000       |
| 6    | 12500         | 10000              | 125000000       |
| 7    | 10500         | 11500              | 120750000       |
| 8    | 10200         | 11000              | 112200000       |
| 9    | 3000          | 10000              | 30000000        |
| 10   | 3000          | 12000              | 36000000        |
| 11   | 5000          | 12000              | 60000000        |
| 12   | 1500          | 9000               | 13500000        |
| 13   | 2000          | 10500              | 21000000        |
| 14   | 3000          | 10000              | 30000000        |
| 15   | 5000          | 10000              | 50000000        |
| 16   | 3000          | 11000              | 33000000        |
| 17   | 5000          | 10000              | 50000000        |
| 18   | 5000          | 12000              | 60000000        |
| 19   | 2000          | 13000              | 26000000        |
| 20   | 10000         | 11000              | 110000000       |
| 21   | 7000          | 10500              | 73500000        |
| 22   | 2000          | 9000               | 18000000        |

Lampiran 17. (Lanjutan)

| RESP             | Produksi (Kg)  | Harga Jual (Rp) | Penerimaan (Rp)     |
|------------------|----------------|-----------------|---------------------|
| 23               | 10200          | 9000            | 91800000            |
| 24               | 1000           | 10000           | 10000000            |
| 25               | 2000           | 12000           | 24000000            |
| 26               | 3500           | 9000            | 31500000            |
| 27               | 10200          | 10000           | 102000000           |
| 28               | 3500           | 10500           | 36750000            |
| 29               | 1000           | 10000           | 10000000            |
| 30               | 1500           | 13000           | 19500000            |
| 31               | 3000           | 9700            | 29100000            |
| 32               | 7500           | 9000            | 67500000            |
| 33               | 2500           | 9500            | 23750000            |
| 34               | 5000           | 10500           | 52500000            |
| 35               | 1500           | 10000           | 15000000            |
| 36               | 1500           | 11500           | 17250000            |
| 37               | 7000           | 12000           | 84000000            |
| 38               | 5000           | 12000           | 60000000            |
| 39               | 3000           | 10000           | 30000000            |
| <b>Rata-rata</b> | <b>Rp4.695</b> | <b>Rp10.710</b> | <b>Rp50.630.769</b> |

Lampiran 18. Pendapatan Usahatani Bawang Merah

| RESP | Total Biaya (Rp) |          | Biaya Total (Rp) | Penerimaan (Rp) | Pendapatan (Rp) |
|------|------------------|----------|------------------|-----------------|-----------------|
|      | Tetap            | Variabel |                  |                 |                 |
| 1    | 704208,33        | 5691500  | 6395708,33       | 20000000        | 13604291,67     |
| 2    | 649625,00        | 5691500  | 6341125,00       | 20000000        | 13658875,00     |
| 3    | 64375,00         | 21130400 | 21194775,00      | 90000000        | 68805225,00     |
| 4    | 42875,00         | 8201000  | 8243875,00       | 36000000        | 27756125,00     |
| 5    | 809027,78        | 27777500 | 28586527,78      | 135000000       | 106413472,22    |
| 6    | 862708,33        | 34813750 | 35676458,33      | 125000000       | 89323541,67     |
| 7    | 757666,67        | 28826000 | 29583666,67      | 120750000       | 91166333,33     |
| 8    | 795691,67        | 28377400 | 29173091,67      | 112200000       | 83026908,33     |
| 9    | 55875,00         | 8396000  | 8451875,00       | 30000000        | 21548125,00     |
| 10   | 40375,00         | 8201000  | 8241375,00       | 36000000        | 27758625,00     |
| 11   | 55625,00         | 14335000 | 14390625,00      | 60000000        | 45609375,00     |
| 12   | 721125,00        | 4136750  | 4857875,00       | 13500000        | 8642125,00      |
| 13   | 36625,00         | 5691500  | 5728125,00       | 21000000        | 15271875,00     |
| 14   | 51625,00         | 8396000  | 8447625,00       | 30000000        | 21552375,00     |
| 15   | 758125,00        | 13922500 | 14680625,00      | 50000000        | 35319375,00     |
| 16   | 56625,00         | 8223500  | 8280125,00       | 33000000        | 24719875,00     |
| 17   | 838958,33        | 14140000 | 14978958,33      | 50000000        | 35021041,67     |
| 18   | 55625,00         | 14095000 | 14150625,00      | 60000000        | 45849375,00     |
| 19   | 42125,00         | 5691500  | 5733625,00       | 26000000        | 20266375,00     |
| 20   | 817916,67        | 27582500 | 28400416,67      | 110000000       | 81599583,33     |
| 21   | 66625,00         | 19389000 | 19455625,00      | 73500000        | 54044375,00     |

Lampiran 18. (Lanjutan)

| RESP             | Total Biaya (Rp) |                 | Biaya Total (Rp) | Penerimaan (Rp) | Pendapatan (Rp) |
|------------------|------------------|-----------------|------------------|-----------------|-----------------|
|                  | Tetap            | Variabel        |                  |                 |                 |
| 22               | 44625            | 5669000         | 5713625          | 18000000        | 12286375        |
| 23               | 925066,67        | 28377400        | 29302467         | 91800000        | 62497533        |
| 24               | 31375            | 2794500         | 2825875          | 10000000        | 7174125         |
| 25               | 36375            | 5691500         | 5727875          | 24000000        | 18272125        |
| 26               | 42875            | 16407000        | 16449875         | 31500000        | 15050125        |
| 27               | 1829025          | 28404400        | 30233425         | 102000000       | 71766575        |
| 28               | 784083,33        | 9852000         | 10636083         | 36750000        | 26113917        |
| 29               | 37625            | 2805750         | 2843375          | 10000000        | 7156625         |
| 30               | 64875            | 4234250         | 4299125          | 19500000        | 15200875        |
| 31               | 811625           | 8613500         | 9425125          | 29100000        | 19674875        |
| 32               | 58125            | 21102500        | 21160625         | 67500000        | 46339375        |
| 33               | 39375            | 6997500         | 7036875          | 23750000        | 16713125        |
| 34               | 755833,33        | 14095000        | 14850833         | 52500000        | 37649167        |
| 35               | 867791,67        | 4148000         | 5015791,7        | 15000000        | 9984208,3       |
| 36               | 877583,33        | 4320500         | 5198083,3        | 17250000        | 12051917        |
| 37               | 779833,33        | 19629000        | 20408833         | 84000000        | 63591167        |
| 38               | 53125            | 14095000        | 14148125         | 60000000        | 45851875        |
| 39               | 49125            | 8613500         | 8662625          | 30000000        | 21337375        |
| <b>Rata-rata</b> | <b>419789</b>    | <b>13296400</b> | <b>13716189</b>  | <b>50630769</b> | <b>36914580</b> |

Lampiran 19. Dokumentasi Petani Bawang Merah Desa Ngrami, Kecamatan Sukomoro



Lampiran 19. (Lanjutan)



## Lampiran 20. Hasil Output Program Frontier Analisis Faktor-Faktor Yang Mempengaruhi Produksi Usahatani Bawang Merah

Output from the program FRONTIER (Version 4.1c)

instruction file = terminal

data file = ustan2.txt

iteration = 0 func evals = 20 llf = -0.17603703E+02

|                |                 |                |                 |                |
|----------------|-----------------|----------------|-----------------|----------------|
| 0.45373465E+00 | -0.78406791E-15 | 0.99999997E+00 | -0.88817842E-15 | 0.17881393E-06 |
|----------------|-----------------|----------------|-----------------|----------------|

|                 |                 |                |                |
|-----------------|-----------------|----------------|----------------|
| -0.63837824E-15 | -0.14901161E-06 | 0.38498547E+00 | 0.84000000E+00 |
|-----------------|-----------------|----------------|----------------|

gradient step

iteration = 5 func evals = 76 llf = 0.49341453E+01

|                |                 |                |                 |                 |
|----------------|-----------------|----------------|-----------------|-----------------|
| 0.44719728E+00 | -0.62500526E-10 | 0.97832035E+00 | -0.28249324E-09 | -0.10073707E-02 |
|----------------|-----------------|----------------|-----------------|-----------------|

|                 |                |                |                |
|-----------------|----------------|----------------|----------------|
| -0.85274007E-10 | 0.92756459E-03 | 0.28922300E+00 | 0.91722507E+00 |
|-----------------|----------------|----------------|----------------|

pt better than entering pt cannot be found

iteration = 10 func evals = 103 llf = 0.26274067E+02

|                |                |                |                 |                 |
|----------------|----------------|----------------|-----------------|-----------------|
| 0.43365981E+00 | 0.13548141E-09 | 0.93446492E+00 | -0.19081873E-09 | -0.24385319E-02 |
|----------------|----------------|----------------|-----------------|-----------------|

|                 |                |                |                |
|-----------------|----------------|----------------|----------------|
| -0.12381429E-09 | 0.22453591E-02 | 0.11450282E+00 | 0.99999999E+00 |
|-----------------|----------------|----------------|----------------|

The Final MLE Estimates Are :

|               | coefficient     | standard-error | t-ratio         |
|---------------|-----------------|----------------|-----------------|
| beta 0        | 0.48608836E+00  | 0.76062152E+00 | 0.63906732E+01  |
| beta 1        | 0.14960912E+00  | 0.26963215E+00 | 0.55486379E+00  |
| beta 2        | 0.20600372E+00  | 0.19291124E+00 | 0.10678679E+01  |
| beta 3        | -0.74993524E-01 | 0.23944023E+00 | -0.31320352E+00 |
| beta 4        | -0.96278163E-01 | 0.29565679E+00 | -0.32564164E+00 |
| beta 5        | -0.13652549E+00 | 0.11394275E+00 | -0.11981938E+01 |
| beta 6        | 0.87163135E+00  | 0.24990421E+00 | -0.12303216E+1  |
| sigma-squared | 0.72665076E+00  | 0.16043514E+00 | 0.45292494E+01  |
| gamma         | 0.93314054E+00  | 0.58110155E-01 | 0.16058132E+02  |

## Lampiran 20. (Lanjutan)

mu is restricted to be zero

eta is restricted to be zero

log likelihood function = -0.27484067E+02

LR test of the one-sided error = 0.64604973E+02

with number of restrictions = 1

[note that this statistic has a mixed chi-square distribution]

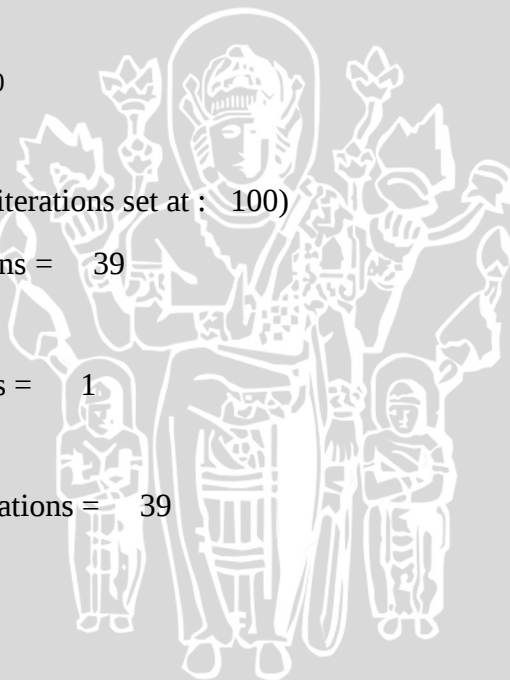
number of iterations = 10

(maximum number of iterations set at : 100)

number of cross-sections = 39

number of time periods = 1

total number of observations = 39



## Lampiran 20. (Lanjutan)

thus there are: 0 obsns not in the panel

covariance matrix :

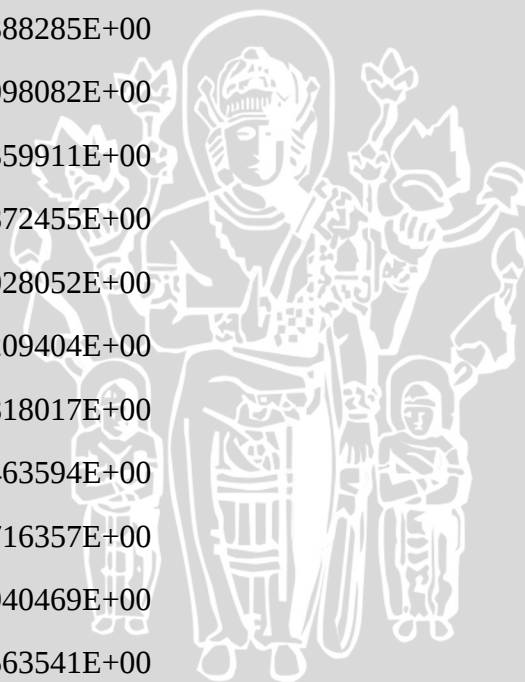
|                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.99705774E+00  | -0.68747406E-01 | -0.85243514E-01 | -0.45955964E-01 | 0.96754106E-01  |
| -0.79959923E-01 | -0.89090693E+00 | 0.44416640E-02  | -0.92108493E-02 |                 |
| -0.68747406E-01 | 0.34649080E-01  | -0.20622422E-01 | -0.27114045E-02 | 0.16677147E-1   |
| 0.10782618E-01  | -0.15356014E-01 | -0.20319911E-01 | -0.45794916E-02 |                 |
| -0.20622422E-01 | 0.97539817E+00  | -0.90749226E-01 | 0.26792211E-02  |                 |
| -0.30485921E-01 | -0.24670224E-01 | 0.20926372E-01  | -0.27813768E-01 |                 |
| -0.45955964E-02 | -0.27114045E-01 | -0.90749226E-01 | 0.34720231E-16  | -0.23064899E-02 |
| -0.35257377E-03 | 0.21237760E-02  | 0.10746970E-01  | -0.11293804E-02 |                 |
| 0.96754106E-03  | 0.16677147E-01  | 0.26792211E-02  | -0.23064899E-02 | 0.53844553E+00  |
| 0.12960370E-01  | -0.49579107E+00 | 0.27944317E-01  | 0.10793879E-01  |                 |
| -0.79959923E-01 | 0.10782618E-01  | -0.30485921E-01 | -0.35257377E-01 | 0.12960370E-01  |
| 0.13490844E-01  | -0.11933666E-02 | 0.90658140E-02  | 0.55161687E-01  |                 |
| -0.89090693E-03 | -0.15356014E-02 | -0.24670224E-02 | 0.21237760E-03  |                 |
| -0.11933666E-02 | 0.45651560E+00  | -0.25730639E-01 | -0.99388139E-02 |                 |
| 0.44416640E-02  | -0.20319911E-01 | 0.20926372E-01  | 0.10746970E-01  | 0.27944317E-01  |
| 0.90658140E-02  | -0.25730639E-01 | 0.92108493E-02  | 0.10493926E+01  | -0.17743443E+00 |
| -0.45794916E-01 | -0.27813768E-01 | -0.11293804E-01 | 0.10793879E-01  |                 |
| 0.55161687E-01  | -0.99388139E-02 | -0.17743443E+00 | 0.96926256E+00  |                 |

## Lampiran 20. (Lanjutan)

## Technical Efficiency Estimates :

| Firm | Eff-Est        |
|------|----------------|
| 1    | 0.54244408E+00 |
| 2    | 0.46376832E+00 |
| 3    | 0.23869560E+00 |
| 4    | 0.81075531E+00 |
| 5    | 0.89746635E+00 |
| 6    | 0.74354089E+00 |
| 7    | 0.78247589E+00 |
| 8    | 0.36388285E+00 |
| 9    | 0.63098082E+00 |
| 10   | 0.53359911E+00 |
| 11   | 0.39872455E+00 |
| 12   | 0.46028052E+00 |
| 13   | 0.55209404E+00 |
| 14   | 0.95818017E+00 |
| 15   | 0.61463594E+00 |
| 16   | 0.43716357E+00 |
| 17   | 0.43940469E+00 |
| 18   | 0.76563541E+00 |
| 19   | 0.81282864E+00 |
| 20   | 0.67358492E+00 |
| 21   | 0.69690605E+00 |
| 22   | 0.14007256E+00 |
| 23   | 0.70893605E+00 |
| 24   | 0.33780455E+00 |
| 25   | 0.52222459E+00 |

UNIVERSITAS BRAWIJAYA



Lampiran. 20 (Lanjutan)

| Firm                                     | Eff-Est        |
|------------------------------------------|----------------|
| 26                                       | 0.11847322E+00 |
| 27                                       | 0.58590986E+00 |
| 28                                       | 0.71425834E+00 |
| 29                                       | 0.88107227E+00 |
| 30                                       | 0.53213863E+00 |
| 31                                       | 0.37716566E+00 |
| 32                                       | 0.37181090E+00 |
| 33                                       | 0.75167158E+00 |
| 34                                       | 0.91055496E+00 |
| 35                                       | 0.44515314E+00 |
| 36                                       | 0.51424390E+00 |
| 37                                       | 0.82769727E+00 |
| 38                                       | 0.62310714E+00 |
| 39                                       | 0.43754841E+00 |
| Mean efficiency                          | 0.58421676E+00 |
| Error Components Frontier (see B&C 1992) |                |
| The model is a production function       |                |
| The dependent variable is logged         |                |

Lampiran 21. Hasil Perhitungan Efisiensi Alokatif

$$PM_{x_1} = \frac{b_i \cdot Y}{X_1}$$

$$NPM_{x_1} = PM_{x_1} \cdot P_y, \quad X_1 \text{ efisien jika } \frac{NPM_{x_1}}{P_x} = 1$$

### Bibit (X2)

Rata-rata produksi bawang merah (Y) = 4.694,87 Kg

Harga produksi bawang merah (Py) = Rp. 10.710,26,-

Rata-rata penggunaan bibit (X2) = 281,69 kg

Rata-rata harga input bibit = Rp. 10.000,-

Koefisien regresi bi = 0,206

$$PM_{x_1} = \frac{0,206 \times 4.694,87}{281,69}$$

$$= 3,43$$

$$NPM_{x_1} = 3,42 \cdot 10710,26$$

$$= 36.772,18$$

$$\text{Efisiensi} = \frac{36.772,18}{10000} = 3,68$$

### Pestisida Padat (X5)

Rata-rata penggunaan pestisida padat (X5) = 4,69 kg

Rata-rata harga input pestisida padat = Rp. 792.256,4

Koefisien regresi bi = 0,136

$$PM_{x_1} = \frac{0,136 \times 4.694,87}{4,69}$$

$$= 136,14$$

$$NPM_{x_1} = 136,14 \cdot 10710,26$$

$$= 1.458.107,86$$

$$\text{Efisiensi} = \frac{1.458.107,86}{792.256,4} = 1,84$$

### Tenaga Kerja (X6)

Rata-rata penggunaan tenaga kerja (X6) = 250,71 HOK

Rata-rata harga input tenaga kerja = Rp. 25000

Koefisien regresi bi = 0,871

Lampiran 21. (Lanjutan)

$$PM_{x_1} = \frac{0,871 \times 4.694,87}{250,71}$$

$$= 16,31$$

$$NPM_{x_1} = 6,31 \cdot 10.710,26$$

$$= 174.690,82$$

$$\text{Efisiensi} = \frac{174.690,82}{25000} = 6,99$$

