Alokasi Biaya Input dan Output dalam Komponen Domestik dan Asing

|  |  |  |
| --- | --- | --- |
| Komponen | Domestik | Asing |
| Penerimaan Beras | 100% | 0% |
| Biaya Sarana Produksi |  |  |
| Benih | 100% | 0% |
| Pupuk Kandang | 100% | 0% |
| Pupuk Bokashi | 100% | 0% |
| Pestisida Alami | 100% | 0% |
| Beve | 100% | 0% |
| Trico | 100% | 0% |
| Nabati | 100% | 0% |
| Biaya Tenaga Kerja | 100% | 0% |
| Biaya Tataniaga |  |  |
| Penanganan Pasca Panen | 100% | 0% |
| Pengangkutan | 80% | 20% |
| Biaya lain-lain |  |  |
| BBM | 70% | 30% |
| Biaya Sewa Lahan | 100% | 0% |
|  |  |  |

Biaya Produksi dan Pendapatan Usaha Tani Beras Organik di Kabupaten Karanganyar Tahun 2015

|  |  |  |  |
| --- | --- | --- | --- |
| Komponen | Jumlah (Rp.) | Prosentase alokasi biaya (%) | Biaya Per Kg Beras (Rp.) |
| Penerimaan Beras  | 133.966.681,67  |  | 9.000,00  |
| Biaya Sarana produksi |  |  |  |
| Bibit/Benih | 1.385.592,08  | 1,40 | 93,09  |
| Pupuk Organik |  |  |  |
| Pupuk Petroganik | 1.817.424,58  | 1,83 | 122,10  |
| Pupuk Bokasi | 18.253.939,67  | 18,43 | 1.226,32  |
| Pupuk Organik Cair  | 1.384.916,70  | 1,40 | 93,04  |
| Pestisda Organik  |  |  |  |
| Beve | 594.326,88  | 0,60 | 39,93  |
| Trico | 478.433,14  | 0,48 | 32,14  |
| Nabati | 411.166,14  | 0,42  | 27,62  |
| Sub Total Biaya Sarana Produksi  | 24.325.799,19  | 24,56  | 1.634,23  |
| Tenaga Kerja |  |  |  |
| Pengolahan Tanah |  |  |  |
| Persemaian | 1.311.706,44  | 1,32  | 88,12  |
| Mencangkul | 2.595.407,47  | 2,62 | 174,36  |
| Membajak/Menggaru | 4.352.488,69  | 4,39 | 292,40  |
| Penanaman | 3.866.186,40  | 3,90 | 259,73  |
| Pemupukan | 2.739.891,94  | 2,77 | 184,07  |
| Pemeliharaan |  |  |  |
| Penyiangan  | 1.824.538,50  | 1,84 | 122,57  |
| Memberantas Hama | 2.223.683,03  | 2,24 | 149,39  |
| Memanen | 4.665.466,01  | 4,71 | 313,43  |
| Sub Total tenaga kerja | 23.579.368,47  | 23,80 | 1.584,08  |
| Biaya Pasca Panen |  |  |  |
| Ongkos angkut  | 1.883.160,74  | 1,90 | 126,51  |
| Biayapenggilingan+jemur+sortasi | 3.411.526,34  | 3,44 | 229,19  |
| Pengemasan | 2.965.673,86  | 2,99 | 199,24  |
| Sub total Biaya Pasca Panen | 8.260.360,94  | 8,34 | 337,82  |
| Biaya Penyusutan |  |  |  |
| Cangkul | 232.204,45  | 0,23  | 15,60  |
| Sabit | 214.520,49  | 0,22  |  14,41  |
| Hand Sprayer | 316.296,71  | 0,32  | 21,25  |
| Karung | 210.031,52  | 0,21  | 14,11  |
| Sorok | 286.438,33  | 0,29  | 19,24  |
| Pompa Air | 492.748,43  | 0,50  | 33,10  |
| Sub total Biaya Penyusutan | 1.752.239,93  | 1,77  | 946.338,89  |
| Biaya Lain-Lain |  |  |  |
| BBM | 1.867.807,57  | 1,89  | 125,48  |
| Sertifikasi organik  | 3.000.000,00  | 3,03  | 201,54  |
| Pajak | 538.675,75  | 0,54 | 36,19  |
| Biaya Imbangan Penggunaan Lahan | 24.958.624,42  | 25,20 | 1.676,74  |
| Bunga Modal | 10.771.465,22  | 10,87 | 723,64  |
| Sub Total Biaya Lain-Lain | 41.136.572,96  | 41,53  | 2.763,59  |
| Total Biaya | 99.054.341,49  | 100,00  | 6.594,10  |
| Pendapatan | 34.204.479,63 | 36,49  | 2.405,90  |
| R/C |  |  | 1,35 |

Perhitungan *Standar Convertion Factor dan Shadow Price Exchange Rate,* Tahun 2015

|  |  |
| --- | --- |
| Uraian | Nilai (Rp Milyar) |
| Total Nilai Ekspor (Xt)1 | Rp.150.283.682.737 |
| Total Nilai Impor (Mt)1 | Rp.142.694.804.223 |
| Penerimaan Pajak Ekspor (TXt)2 | Rp.14.300.000.000 |
| Penerimaan Pajak Impor (TMt)2 | Rp.37.204.000.000 |
| Nilai Tukar Rupiah /US$ (OER)3 | Rp.13.864 |
| Xt + Mt | Rp.292.978.486.960 |
| Xt –TXt | Rp.7.588.878.514 |
| Xt-TXt | Rp.135.983.682.737 |
| Mt + TMt | Rp.179.898.804.223 |
| SCFt | Rp.0,9275 |
| SER (Rp/US $) | Rp.14.947,8374 |

|  |
| --- |
| Sumber:  |
| 1. Badan Pusat Statistik, 2015  |
| 2. Indikator Ekonomi, Badan Pusat Statistik, 2015 |
| 3. Nilai Tukar Valuta Asing di Indonesia, Bank Indonesia, 2015  |
|  |

Lampiran 5. Perhitungan Harga Bayangan Output

|  |  |  |
| --- | --- | --- |
| Keterangan | Satuan  | Harga/Nilai  |
| FOB Indonesia (US Dollar/kg)1 | $/Kg  | 0,7087 |
| Nilai Tukar (Rp/US Dollar)2 | Rp/$  | 14.947,83745 |
| Premium nilai tukar (%) | %  | 0.00 |
| Nilai tukar ekuilibrium (Rp/US Dollar)2 | Rp/$  | 14.947,83745 |
| FOB Indonesia dalam mata uang domestik (Rp/kg) | Rp/Kg  | 10.594,09839 |
| Biaya angkut dan penanganan (Rp/kg)3 | Rp/Kg | 162,5 |
| Biaya bongkar muat di pelabuhan (Rp/kg)4 | Rp/Kg | 138,5 |
| Biaya asuransi (Rp/Kg)6 | Rp/Kg | 247 |
| Harga paritas ekspor di tingkat petani (Rp/Kg) | Rp/Kg | 10.046,09839 |

Lampiran 6. Analisis Finansial Dan Ekonomi Usahatani Beras Organik Di Kabupaten Karanganyar Tahun 2015 (Per Hektar Per Tahun)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Komponen Biaya | Satuan | Jumlah/Volume | Analisis Finansial | Analisis Ekonomi |
| Harga Privat | Jumlah | Domestik | Asing | Harga Sosial | Jumlah | Domestik | Asing |
| Penerimaan  | Satuan | 14.885,19 | 9.000,00 | 133.966.681,67 | 133.966.681,67  | 0,00 |  10.046,00  | 149.536.587,12  | 149.536.587,12 | 0,00 |
| Biaya Sarana Produksi |  |  |  |  |  |  |  |  |  |
| Bibit/Benih | Kg | 116,22  | 11.922,55  | 1.385.592,08  | 1.385.592,08  | 0,00 | 11.525,84 | 1.385.592,08  | 1.385.592,08  | 0,00 |
| Pupuk Organik |  |  |  |  |  |  |  |  |  |  |
| Pupuk Petroganik | Kg | 3.885,49  | 506,88  | 1.817.424,58  | 1.817.424,58  | 0,00 | 506,88  | 1.817.424,58  | 1.817.424,58  | 0,00 |
| Pupuk Bokasi | Kg | 35.203,06  | 518,53  | 18.253.939,67  | 18.253.939,67  | 0,00 | 518,53  | 18.253.939,67  | 18.253.939,67  | 0,00 |
| POC | Liter | 58,30  | 23.755,06  | 1.384.916,70  | 3.484.916,70  | 0,00 | 23.755,06  | 1.384.916,70  | 1.384.916,70  | 0,00 |
| Pestisda Organik |  |  |  |  |  |  |  |  |  |  |
| Beve | Liter | 23,87  | 24.895,28  | 594.326,88  | 594.326,88  | 0,00 | 24.895,28 |  594.326,88  |  594.326,88  | 0,00 |
| Trico | Liter | 19,18  | 24.943,66  | 478.433,14  | 478.433,14  | 0,00 | 24.943,66 | 478.433,14  | 478.433,14  | 0,00 |
| Nabati | Liter | 16,48  | 24.950,82  | 411.166,14  | 411.166,14  | 0,00 | 24.950,82 | 411.166,14  |  411.166,14  | 0,00 |
| Sub Total Biaya Sarana Produksi |  | 24.325.799,19  | 24.325.799,19 |  |  | 24.325.799,19 |  24.325.799,19 |  |
| Tenaga Kerja |  |  |  |  |  |  |  |  |  |  |
| Persemaian | HOK | 18,02  | 72.794,28 | 1.311.706,44  | 1.311.706,44  | 0,00 | 58.235,43  |  1.049.365,15  | 1.049.365,15  | 0,00 |
| Mencangkul | HOK | 35,99  | 72.112,69  | 2.595.407,47  | 2.595.407,47  | 0,00 | 57.690,15  |  2.076.325,98  | 2.076.325,98  | 0,00 |
| Membajak& Menggaru | 23,80  | 199.642,25  | 4.352.488,69  | 4.352.488,69  | 0,00 |  159.713,80  | 3.481.990,95 |  3.481.990,95  | 0,00 |
| Penanaman | HOK | 50,32  | 76.826,31  | 3.866.186,40  | 3.866.186,40  | 0,00 | 61.461,05  | 3.092.949,12 |  3.092.949,12  | 0,00 |
| Pemupukan | HOK | 38,14  | 71.837,17  | 2.739.891,94  |  2.739.891,94  | 0,00 | 57.470,20  | 2.191.913,55 |  2.191.913,55  | 0,00 |
| Pemeliharaan |  |  |  |  |  |  |  |  |  |  |
| Penyiangan  | HOK | 25,37  | 71.917,17  | 1.824.538,50  |  1.824.538,50  | 0,00 | 57.533,73  |  1.459.630,80  |  1.459.630,80  | 0,00 |
| Memberantas Hama | HOK | 30,48  | 72.955,48  | 2.223.683,03  |  2.223.683,03  | 0,00 | 58.364,38  |  1.778.946,42  |  1.778.946,42  | 0,00 |
| Memanen | HOK | 53,56  | 87.107,28  |  4.665.466,01  |  4.665.466,01  | 0,00 |  69.685,83  |  3.732.372,81  |  3.732.372,81  | 0,00 |
| Sub Total Biaya Tenaga Kerja |  | 23.579.368,47  | 23.579.368,47  |  | 529.869,59 | 18.863.494,78  |  18.863.494,78  |  |
| Biaya Pasca Panen |  |  |  |  |  |  |  |  |  |
| Ongkos angkut  | Unit | 14.885,19  |  126,51  | 1.883.160,74  | 1.694.844,66  | 169.484,47 |  139,16  |  2.071.476,81  |  1.657.181,45  | 414.295,36  |
| Biaya penggilingan, jemur,sortasi | 14.885,19  |  229,19 |  3.411.526,34  | 2.729.221,07  | 545.844,21 |  252,11  |  3.752.678,97  |  3.002.143,18  | 750.535,79  |
| Pengemasan | Unit | 14.885,19  |  199,24  | 2.965.673,86  |  2.965.673,86  | 0,00 |  199,24  |  2.965.673,86  |  2.965.673,86  | 0,00 |
| Sub Total Biya Pasca Panen |  |  8.260.360,94  |  7.389.739,60  | 715.328,68 |  |  8.789.829,65  | 7.624.998,49  | 1.164.831,16  |
| Biaya Penyusutan |  |  |  |  |  |  |  |  |  |  |
| Cangkul | Unit | 9,64  | 24.086,97  |  232.204,45  |  232.204,45  | 0,00 |  24.086,97  | 232.204,45  |  232.204,45  | 0,00 |
| Sabit | Unit | 11,10  | 19.326,25  |  214.520,49  |  214.520,49  | 0,00 |  19.326,25  |  214.520,49  | 214.520,49  | 0,00 |
| Hand Sprayer | Unit | 8,45  | 37.431,56  |  316.296,71  |  316.296,71  | 0,00 |  37.431,56  |  316.296,71  |  316.296,71  | 0,00 |
| Karung | Unit | 62,53  | 3.358,89  |  210.031,52  |  210.031,52  | 0,00 |  3.358,89  |  210.031,52  |  210.031,52  | 0,00 |
| Sorok | Unit | 10,74  |  26.670,24  |  286.438,33 |  286.438,33  | 0,00 |  26.670,24  |  286.438,33  |  286.438,33  | 0,00 |
| Pompa Air | Unit | 7,24  |  68.059,18  |  492.748,43  |  344.923,90  | 147.824,53 |  74.865,09  |  542.023,27  |  379.416,29  |  113.824,89  |
| Sub Total Biaya Penyusutan |  | 1.752.239,93  |  1.604.415,40  | 147.824,53 |  |  1.801.514,77  |  1.638.907,79  | 113.824,89  |
| Biaya Lain-Lain |  |  |  |  |  |  |  |  |  |  |
| BBM | Liter | 245,85  |  7.597,44  | 1.867.807,57  |  1.307.465,30  | 560.342,27 |  8.700,00  |  2.138.868,90  |  1.497.208,23  |  449.162,47  |
| Sertifikasi organik  | Rp/Ha |  |  |  3.000.000,00  |  3.000.000,00  | 0,00 |  |  3.000.000,00  |  3.000.000,00  | 0,00 |
| Pajak | Rp/Ha |  |  | 538.675,75 |  538.675,75  | 0,00 |  |  |   | 0,00 |
| Biaya Imbangan Penggunaan Lahan | Rp/Ha |  |  | 24.958.624,42  |  24.958.624,42  | 0,00 |  |  24.958.624,42  |  24.958.624,42  | 0,00 |
| Bunga Modal | Rp/Ha |  |  | 10.771.465,22  |  10.771.465,22  | 0,00 |  |   |   | 0,00 |
| Sub Total Biaya Lain-Lain |  |  | 41.136.572,96  |  40.576.230,69  |  |  | 41.407.634,30  | 29.455.832,65  | 449.162,47  |
| Total Biaya  |  |  |  |  |  97.475.553,35  | 2.286.648,69 |  |  | 81.909.032,90  | 3.455.637,03  |

Matrik Analisis Kebijakan Usahatani Beras Organik di Kabupaten Karanganyar Tahun 2015 (Per Hektar Per Tahun)

|  |  |  |  |
| --- | --- | --- | --- |
| Uraian |  | Biaya Input | Keuntungan |
| Penerimaan | Tradable | Non Tradable |
| Harga Privat | 133.966.681,67  | 2.286.648,69 | 97.475.553,35  | 34.204.479,63  |
| Harga Sosial | 149.536.587,12  | 3.455.637,03 | 81.319.909,90  | 64.171.917,20 |
| Dampak Kebijakan |  -15.569.905,45 | -1.168.988,34 | 15.566.520,45 | -29.967.437,56 |

Hasil Analisis Matriks:

KP : 34.204.479,63 TI : -1.168.988,337

KS : 64.171.917,22 NPCI : 0,662

TB : -15.569.905,45 TF : 15.566.520

PCR : 0,740 EPC : 0,900

DRC : 0,560 SRP : -0,227

TO : -15.569.905,45 PC : 0,533

NPCO : 0,896