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 |
| Biaya penggilingan+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