

LAMPIRAN

**LAMPIRAN A**  
**PERHITUNGAN BIAYA-**  
**BIAYA KUALITAS**

**Lampiran 1: Perhitungan Biaya Tenaga Kerja Langsung bulan Juni – Oktober 2004**

Nama stasiun	Jumlah (unit)	Gaji per orang / bulan (Rp)	Biaya tenaga kerja (Rp)
<i>Batch plan</i>	35	695.750,00	24.351.250,00
<i>Mixing</i>	42	695.750,00	29.221.500,00
<i>Melting</i>	51	695.750,00	35.483.250,00
<i>Forming</i>	82	695.750,00	57.051.500,00
<i>Sortiring</i>	28	695.750,00	19.481.000,00
<i>Printing and labelling</i>	37	695.750,00	25.742.750,00
<i>Packaging</i>	25	695.750,00	17.393.750,00
<b>Total</b>	<b>300</b>		<b>208.725.000,00</b>

**Perhitungan Total Biaya Tenaga Kerja Bulan Juni- Oktober 2004 (sambungan)**

Jenis biaya	Jumlah (orang)	Total biaya tenaga kerja (Rp)
Biaya tenaga kerja langsung	68	208725.00000
Biaya tenaga kerja tidak langsung	35	60408.44500
<b>Total</b>	<b>103</b>	<b>269133.44500</b>

Catatan: perhitungan biaya tenaga kerja untuk bulan Juni- Oktober 2004 sama

**Lampiran 2: Perhitungan Biaya Bahan Baku Bulan Juni – Oktober 2004**

Nama bahan baku	Harga per kilogram (Rp)	JUNI		JULI		AGUSTUS	
		Jumlah pemakaian (kilogram)	Total (Rp)	Jumlah pemakaian (kilogram)	Total (Rp)	Jumlah Pemakaian (kilogram)	Total (Rp)
Pasir UVA (hijau)	12.480,04	11.839,61	147.758.806,38	13.989,61	174.590.892,38	10.879,61	135.777.967,98
Pasir merah (amber)	9.160,10	765,94	7.016.086,99	972,94	8.912.227,69	9.922,94	90.895.122,69
Pasir Belitung ( flint)	11.506,25	12.964,62	149.174.158,88	13.964,62	160.680.408,88	11.994,62	13.8013.09,64
Dolomite	76.550,25	1.750,32	133.987.433,58	1.272,64	97.420.910,16	1.027,00	78.617.106,75
Limestone	53.247,00	1.032,65	54.985.514,55	1.231,65	65.581.667,55	1.073,65	57.168.641,55
Soda Ash	33.012,97	1.282,08	42.325.268,58	1.390,08	45.890.669,34	1.290,08	42.589.372,34
Alumina	41.743,15	467,24	19.504.069,41	487,24	20.338.932,41	587,24	24.513.247,41
Natrium Sulfat	62.850,09	257,75	16.199.610,70	257,75	16.199.610,70	257,75	1.6199.61,07
Arang	25.450,00	47,24	1.202.258,00	36,24	922.308,00	49,24	1.253.158,00
Natrium Bicromate	57.336,58	31,87	1.827.316,80	22,87	1.311.287,58	32,87	1.884.653,38
Selenium	35.750,00	46,16	1.650.220,00	17,16	613.470,00	27,16	970.970,00
<i>Cullet</i> hijau	175.000,00	7.420,23	1.298.540.250,00	7.376,23	1.290.840.250,00	7.500,23	131.2540.25,00
<i>Cullet</i> amber	147.046,00	5.765,39	847.777.537,94	6.238,39	917.330.295,94	6.438,39	946.739.495,94
<i>Cullet</i> flint	155.340,32	8.378,32	1.301.490.909,86	8.390,32	1.303.354.993,70	7.726,32	120.0209.02,12
Total			4.023.439.441,67		4.103.987.924,33		4.047.371.714,34

**Lampiran 2: Perhitungan Biaya Bahan Baku Bulan Juni – Oktober 2004 (sambungan)**

Nama bahan baku	Harga per kilogram (Rp)	SEPTEMBER		OKTOBER	
		Jumlah Pemakaian (unit)	Total (Rp)	Jumlah Pemakaian (unit)	Total (Rp)
Pasir UVA (hijau)	12.480,04	12.999,61	162.235.65278	13.079,61	163.234.055,98
Pasir merah (amber)	9.160,10	10.922,94	100.055.22269	11.022,94	100.971.232,69
Pasir Belitung ( flint)	11.506,25	12.994,62	149.519.34638	14.094,62	162.176.221,38
Dolomite	76.550,25	1.027,00	78.617.10675	1.100,00	84.205.275,00
Limestone	53.247,00	1.073,65	57.168.64155	1.173,65	62.493.341,55
Soda Ash	33.012,97	1.290,08	42.589.37234	1.390,08	45.890.669,34
Alumina	41.743,15	687,24	28.687.56241	687,24	28.687.562,41
Natrium Sulfat	62.850,09	457,75	28.769.62870	557,75	35.054.637,70
Arang	25.450,00	50,24	1.278.60800	50,24	1.278.608,00
Natrium Bicromate	57.336,58	35,87	2.056.66312	35,87	2.056.663,12
Selenium	35.750,00	29,16	1.042.47000	27,16	970.970,00
<i>Cullet</i> hijau	175.000,00	7.560,23	1.323.040.25000	7.250,23	1.268.790.250,00
<i>Cullet</i> amber	147.046,00	5.638,39	829.102.69594	6.035,39	887.479.957,94
<i>Cullet</i> flint	155.340,32	8.376,32	1.301.180.22922	8.276,32	1.285.646.197,22
Total			4.105.343.449,88		4.128.935.642,33

**Lampiran 3: Perhitungan Biaya Energi Listrik Bulan Mei – Oktober 2004**

Jenis mesin	Jumlah (unit)	Daya (KW)	Tarif/ kwh (Rp)	MEI		JUNI		JULI	
				Pemakaian (jam)	Total (Rp)	Pemakaian (jam)	Total (Rp)	Pemakaian (jam)	Total (Rp)
Mixing machine	3	9,21	550,00	450,00	6.838.425,00	455,00	6.914.407,50	460,13	6.992.365,54
IS machine	8	18,85	550,00	450,00	37.323.000,00	455,00	37.737.700,00	460,13	38.163.182,20
Inpection machine	5	2,48	550,00	450,00	3.069.000,00	455,00	3.103.100,00	460,13	3.138.086,60
ACL	6	10,89	550,00	450,00	16.171.650,00	455,00	16.351.335,00	460,13	16.535.691,81
Annealing	4	2,43	550,00	206,25	1.102.612,50	217,55	1.163.022,30	210,16	1.123.515,36
Mesin krat	2	3,25	550,00	192,09	686.721,75	197,19	704.954,25	226,25	808.843,75
Conveyor	8	1,17	550,00	392,95	2.022.906,60	410,16	2.111.503,68	455,00	2.342.340,00
Total					67.214.315,85		68.086.022,73		69.104.025,27

**Lampiran 3: Perhitungan Energi Listrik Bulan Juni – Oktober 2004 (sambungan)**

Jenis mesin	Jumlah (unit)	Daya (KW)	Tarif/ kwh (Rp)	AGUSTUS		SEPTEMBER		OKTOBER	
				Pemakaian (jam)	Total (Rp)	Pemakaian (jam)	Total (Rp)	Pemakaian (jam)	Total (Rp)
Mixing machine	3	9,21	550,00	410,18	6.233.300,37	462,13	7.022.758,55	465,12	7.068.196,08
IS machine	8	18,85	550,00	410,18	34.020.329,20	462,13	38.329.062,20	465,12	38.577.052,80
Inpection machine	5	2,48	550,00	410,18	2.797.427,60	462,13	3.151.726,60	465,12	3.172.118,40
ACL	6	10,89	550,00	410,18	14.740.638,66	462,13	16.607.565,81	465,12	16.715.017,44
Annealing	4	2,43	550,00	200,55	1.072.140,30	211,16	1.128.861,36	231,00	1.234.926,00
Mesin krat	2	3,25	550,00	292,09	1.044.221,75	230,25	823.143,75	235,19	840.804,25
Conveyor	8	1,17	550,00	390,11	2.008.286,28	465,00	2.393.820,00	448,23	2.307.488,04
Total					61.916.344,16		69.456.938,27		69.915.603,01

**Lampiran 4: Perhitungan Energi Solar Bulan Mei – Oktober 2004**

Periode	Pemakaian/ bulan (liter)	Harga/ liter (Rp)	Total Biaya/ bulan (Rp)
MEI	350	1.600,00	560.000,00
JUNI	350	1.600,00	560.000,00
JULI	350	1.600,00	560.000,00
AGUSTUS	350	1.600,00	560.000,00
SEPTEMBER	350	1.600,00	560.000,00
OKTOBER	350	1.600,00	560.000,00



**Lampiran 5: Perhitungan Energi Oli Bulan Mei – Oktober 2004**

Periode	Pemakaian per bulan (liter)	Harga/ liter (Rp)	Total Biaya/ bulan (Rp)
MEI	280	2500,00	700.000,00
JUNI	280	2500,00	700.000,00
JULI	280	2500,00	700.000,00
AGUSTUS	280	2500,00	700.000,00
SEPTEMBER	280	2500,00	700.000,00
OKTOBER	280	2500,00	700.000,00

**Lampiran 6: Perhitungan Total Biaya Energi**

Jenis energi	JUNI	JULI	AGUSTUS	SEPTEMBER	OKTOBER
Listrik	68.086.022,73	69.456.938,27	67.214.316,85	69.104.025,27	69.915.603,01
Air	2.645.378,89	2.782.593,83	2.275.275,00	2.136.238,28	2.972.970,00
Oli	700.000,00	700.000,00	700.000,00	700.000,00	700.000,00
Solar	560.000,00	560.000,00	560.000,00	560.000,00	560.000,00
Total	71.991.401,62	73.499.532,10	70.749.591,85	72.500.263,55	74.148.573,01

**Lampiran 7 :Perhitungan Biaya Penyusutan Bangunan, Mesin dan Peralatan Bulan Juni – Oktober 2004**

Jenis	Jumlah (unit)	Harga beli (Rp)	Umur (tahun)	Penyusutan per tahun (Rp)	Penyusutan per bulan (Rp)
Bangunan					
a. Surabaya	1	1.094.933.686,00	15	91.244.473,83	6.082.964,92
b. Gresik	1	3.149.770.810,00	10	314.977.081,00	26.248.090,08
Batch plan	2	362.227.923,12	12	21.089.906,25	3.053.613,28
Mixing machine	3	253.078.875,00	12	36.643.359,38	76.727,59
IS machine	8	439.720.312,50	12	36.643.359,38	3.053.613,28
Annealing Lehr	12	11.048.772,32	12	920.731,03	76.727,59
Receiving hopper	3	57.002.349,54	12	4.750.195,80	395.849,65
Front and loader	2	95.069.312,78	12	7.922.442,73	660.203,56
Hammer mill	3	46.501.006,52	12	3.875.083,88	322.923,66
Inpection machine	5	126.539.437,50	12	10.544.953,13	878.746,09
ACL	6	190.057.344,75	8	23.757.168,09	1.979.764,01
Annealing	4	21.676.528,13	12	1.806.377,34	150.531,45
Mesin krat	2	2.342.171,34	8	292.771,42	24.397,62
Conveyor	8	16.216.200,84	10	1.621.620,08	135.135,01
Vacum pump	6	84.585.268,39	10	8.458.526,84	704.877,24
Genset compressor	2	182.238.097,50	10	18.223.809,75	1.518.650,81
Total					46.505.438,84

Catatan: Biaya penyusutan bangunan, mesin dan peralatan bulan Juni – Oktober sama

**Lampiran 8: Biaya Perawatan Mesin dan Peralatan Bulan Juni – Oktober 2004**

Nama stasiun	Jumlah orang per regu	Rata-rata gaji per orang per bulan (Rp)	Biaya perawatan per bulan (Rp)
Batch plan	15	695.750,00	326.132,81
Mixing	15	695.750,00	326.132,81
Melting	15	695.750,00	326.132,81
Forming	15	695.750,00	326.132,81
Sortiring	15	695.750,00	326.132,81
ACL	15	695.750,00	326.132,81
Packaging	15	695.750,00	326.132,81
Total	105		2.282.929,67

Catatan: Biaya perawatan mesin dan peralatan bulan Juni – Oktober sama

**Lampiran 9: Perhitungan Biaya Penyimpanan Bulan Juni – Oktober 2004**

Nama Bulan	Biaya bahan baku per bulan (Rp)	Bunga per tahun (%)	Bunga/ per bulan	Biaya penyimpanan per bulan (Rp)
JUNI	4.023.439.441,67	20	0,0167	6.7191.438,68
JULI	4.116.467.964,33	20	0,0167	6.8745.015,00
AGUSTUS	4.047.371.714,34	20	0,0167	6.7591.107,63
SEPTEMBER	4.116.817.413,98	20	0,0167	6.8750.850,81
OKTOBER	4.129.152.667,16	20	0,0167	6.8956.849,54

**Lampiran 10: Perhitungan Modal Kerja Bulan Juni – Oktober 2004**

Jenis Biaya	JUNI	JULI	AGUSTUS	SEPTEMBER	OKTOBER
Biaya tenaga kerja	269.133.445,00	269.133.445,00	269.133.445,00	269.133.445,00	269.133.445,00
Biaya bahan baku	4.023.439.441,67	4.116.467.964,33	4.047.371.714,34	4.116.817.413,98	4.129.152.667,16
Biaya energi	71.991.401,62	73.499.532,10	70.749.591,85	72.500.263,55	74.148.573,01
Biaya perawatan	2.282.929,67	2.282.929,67	2.282.929,67	2.282.929,67	2.282.929,67
Biaya penyimpanan	67.191.438,68	68.745.015,00	67.591.107,63	68.750.850,81	68.956.849,54
Uang tunai	3.500.000,00	3.500.000,00	3.500.000,00	3.500.000,00	3.500.000,00
Total	4.437.538.656,64	4.533.628.886,11	4.460.628.788,49	4.532.984.903,01	4.547.174.464,38

**LAMPIRAN B**  
**PERHITUNGAN**  
***OUTPUT – INPUT***

### Lampiran 1: Perhitungan *Output – Input* Bulan Juli dan Agustus 2004

Deskripsi	JULI			AGUSTUS		
	Jumlah (unit)	Harga/ kg (Rp)	Nilai total (Rp)	Jumlah (unit)	Harga/ kg (Rp)	Nilai total (Rp)
<i>Output:</i>						
Botol hijau	4.782.400	970,38	4.640.745.312,00	4.640.000	970,38	4.502.563.200,00
Botol putih	4.754.850	731,85	3.479.836.972,50	4.715.200	731,85	3.450.819.120,00
Botol coklat	1.529.200	501,88	767.474.896,00	1.532.600	501,88	769.181.288,00
<i>Output total</i>			8.888.057.180,50			8.722.563.608,00
<i>Input Tenaga Kerja:</i>						
Langsung	300		208.725.000,00	300		208.725.000,00
Tidak langsung	35		60.408.445,00	35		60.408.445,00
Sub total	335		269.133.445,00	335		269.133.445,00
<i>Input bahan baku:</i>						
Pasir UVA (hijau)	14.989,61	12.480,04	187.070.932,38	10.879,61	12.480,04	135.777.967,98
Pasir merah (amber)	972,94	9.160,10	8.912.227,69	9.922,94	9.160,10	90.895.122,69
Pasir Belitung ( flint)	13.964,62	11.506,25	160.680.408,88	11.994,62	11.506,25	138.013.096,38
Dolomite	1.272,64	76.550,25	97.420.910,16	1.027,00	76.550,25	78.617.106,75
Limestone	1.231,65	53.247,00	65.581.667,55	1.073,65	53.247,00	57.168.641,55
Soda Ash	1.390,08	33.012,97	45.890.669,34	1.290,08	33.012,97	42.589.372,34
Alumina	487,24	41.743,15	20.338.932,41	587,24	41.743,15	24.513.247,41
Natrium Sulfat	257,75	62.850,09	16.199.610,70	257,75	62.850,09	16.199.610,70
Arang	36,24	25.450,00	922.308,00	49,24	25.450,00	1.253.158,00
Natrium Bicromate	22,87	57.336,58	1.311.287,58	32,87	57.336,58	1.884.653,38
Selenium	17,16	35.750,00	613.470,00	27,16	35.750,00	970.970,00
<i>Cullet</i> hijau	7.376,23	175.000,00	1.290.840.250,00	7.500,23	175.000,00	1.312.540.250,00
<i>Cullet</i> amber	6.238,39	147.046,00	917.330.295,94	6.438,39	147.046,00	946.739.495,94
<i>Cullet</i> flint	8390,32	155.340,32	1.303.354.993,70	7.726,32	155.340,32	1.200.209.021,22
Sub total			4.116.467.964,33			4.047.371.714,34
<i>Input energi:</i>						
Listrik			69.456.938,27			67.214.316,85
Air			2.782.593,83			2.275.275,00
Oli			700.000,00			700.000,00
Solar			560.000,00			560.000,00
Sub total			73.499.532,10			70.49.591,85
<i>Input modal:</i>						
Penyusutan			48.026.180,07			48.026.180,07
Modal kerja			4.533.628.886,11			4.460.628.788,49
Margin/ <i>gross profit</i>			0.95619			0.95090
Sub total			4.581.656.022,36			4.508.655.919,46
<i>Input total</i>			9.040.756.963,79			8.895.910.670,65



## Lampiran 2: Perhitungan Output – Input Bulan September dan Oktober 2004

Deskripsi	SEPTEMBER			OKTOBER		
	Jumlah (unit)	Harga/ kg (Rp)	Nilai total (Rp)	Jumlah (unit)	Harga/ kg (Rp)	Nilai total (Rp)
<i>Output:</i>						
Botol hijau	4.676.250	970,38	4.537.739.475,00	4.237.080	970,38	4.111.577.690,40
Botol putih	4.384.760	731,85	3.208.986.606,00	5.125.000	731,85	3.750.731.250,00
Botol coklat	2.514.920	501,88	1.262.188.049,60	2.352.320	501,88	1.180.582.361,60
<i>Output total</i>			9.008.914.130,60			9.042.891.302,00
<i>Input Tenaga Kerja:</i>						
Langsung	300		208.725.000,00	300		208.725.000,00
Tidak langsung	35		60.408.445,00	35		60.408.445,00
Sub total	335		269.133.445,00	335		269.133.445,00
<i>Input bahan baku:</i>						
Pasir UVA (hijau)	12.999,01	12.480,04	162.228.164,76	13.079,61	12.480,04	163.234.055,98
Pasir merah (amber)	10.922,33	9.160,10	100.049.635,03	11.022,94	9.160,10	100.971.232,69
Pasir Belitung ( flint)	13.994,28	11.506,25	161.021.684,25	14.094,62	11.506,25	162.176.221,38
Dolomite	1.027,00	76.550,25	78.617.106,75	1.100,77	76.550,25	84.264.218,69
Limestone	1.073,65	53.247,00	57.168.641,55	1.173,28	53.247,00	62.473.640,16
Soda Ash	1.290,08	33.012,97	42.589.372,34	1.390,17	33.012,97	45.893.640,50
Alumina	687,24	41.743,15	28.687.562,41	687,24	41.743,15	28.687.562,41
Natrium Sulfat	457,75	62.850,09	28.769.628,70	557,54	62.850,09	35.041.439,18
Arang	50,24	25.450,00	1.278.608,00	50,75	25.450,00	1.291.587,50
Natrium Bicromate	35,67	57.336,58	2.045.195,81	35,65	57.336,58	2.044.049,08
Selenium	29,16	35.750,00	1.042.470,00	27,06	35.750,00	967.395,00
Cullet hijau	7.560,23	175.000,00	1.323.040.250,00	7.250,93	175.000,00	1.268.912.750,00
Cullet amber	5.638,29	147.046,00	829.087.991,34	6.035,72	147.046,00	887.528.483,12
Cullet flint	8.376,39	155.340,32	1.301.191.103,04	8.276,45	155.340,32	1.285.666.391,46
Sub total			4.116.817.413,98			4.029.152.667,16
<i>Input energi:</i>						
Listrik			69.104.025,27			69.915.603,01
Air			2.136.238,28			2.972.970,00
Oli			700.000,00			700.000,00
Solar			560.000,00			550.000,00
Sub total			72.500.263,55			74.138.573,01
<i>Input modal:</i>						
Penyusutan			48.026.180,07			48.026.180,07
Modal kerja			4.532.984.903,01			4.547.174.464,38
Margin/ gross profit			0.98285			0.98416
Sub total			4.581.012.065,93			4.595.201.628,61
<i>Input total</i>			9.039.463.188,45			8.967.626.313,78

**LAMPIRAN C**  
**PERHITUNGAN DAN**  
**INDEKS PRODUKTIFITAS**

**Lampiran 1: Perhitungan dan Indeks Produktifitas Bulan Mei dan Juli 2004**

Deskripsi	Produktifitas		Angka-angka Indeks		Perubahan (%)
	MEI	JULI	MEI	JULI	
<i>Output:</i>					
<i>Output total</i>	8.844.567.314,00	8.888.057.180,50	1	1,0062	
<i>Input:</i>					
Tenaga kerja	269.133.445,00	269.133.445,00	1	1,0000	
Bahan baku	4.022.598.973,52	4.116.467.964,33	1	1,0233	
Energi	72.501.208,92	73.499.532,10	1	1,0138	
Modal	4.485.221.128,92	4.581.656.022,36	1	1,0323	
<i>Input total</i>	8.849.454.756,36	9.040.756.963,79	1	1,0271	
<i>Produktifitas:</i>					
Tenaga kerja	32,8207	33,0247	1	1,0062	0,6215
Bahan baku	2,1959	2,1591	1	0,9833	-1,6730
Energi	121,8347	121,9267	1	1,0008	0,0755
Modal	1,9902	1,9399	1	0,9747	-2,5254
<i>Produktifitas total</i>	1,0035	0,9831	1	0,9797	-2,0291

**Lampiran 2: Perhitungan dan Indeks Produktifitas Bulan Mei dan Agustus 2004**

Deskripsi	Produktifitas		Angka-angka Indeks		Perubahan (%)
	MEI	AGUSTUS	MEI	AGUSTUS	
<i>Output:</i>					
<i>Output total</i>	8.844.567.314,00	8.722.563.608,00	1	0,9875	
<i>Input:</i>					
Tenaga kerja	269.133.445,00	269.133.445,00	1	1,0000	
Bahan baku	4.022.598.973,52	4.047.371.714,34	1	1,0062	
Energi	72.501.208,92	70.749.591,85	1	0,9758	
Modal	4.485.221.128,92	4.508.655.919,46	1	1,0158	
<i>Input total</i>	8.849.454.756,36	8.895.910.670,65	1	1,0106	
<i>Produktifitas:</i>					
Tenaga kerja	32,8207	32,4098	1	0,9875	-1,252
Bahan baku	2,1959	2,1551	1	0,9814	-1,856
Energi	121,8347	120,2878	1	0,9873	-1,270
Modal	1,9902	1,9346	1	0,9721	-2,792
<i>Produktifitas total</i>	1,0035	0,9805	1	0,9771	-2,288

**Lampiran 3: Perhitungan dan Indeks Produktifitas Bulan Mei dan September 2004**

Deskripsi	Produktifitas		Angka-angka Indeks		Perubahan (%)
	MEI	SEPTEMBER	MEI	SEPTEMBER	
<i>Output:</i>					
<i>Output total</i>	8.844.567.314,00	9.008.914.130,60	1	1,0199	
<i>Input:</i>					
Tenaga kerja	269.133.445,00	269.133.445,00	1	1,0000	
Bahan baku	4.022.598.973,52	4.116.817.413,98	1	1,0234	
Energi	72.501.208,92	72.500.263,55	1	1,0000	
Modal	4.485.221.128,92	4.581.012.065,93	1	1,0321	
<i>Input total</i>	8.849.454.756,36	9.039.463.188,45	1	1,0269	
Produktifitas:					
Tenaga kerja	32,8207	33,4738	1	1,0199	1,9897
Bahan baku	2,1959	2,1883	1	0,9966	-0,3445
Energi	121,8347	124,2604	1	1,0199	1,9910
Modal	1,9902	1,9666	1	0,9881	-1,1861
Produktifitas total	1,0035	0,9966	1	0,9932	-0,6827

**Lampiran 4: Perhitungan dan Indeks Produktifitas Bulan Mei dan Oktober 2004**

Deskripsi	Produktifitas		Angka-angka Indeks		Perubahan (%)
	MEI	OKTOBER	MEI	OKTOBER	
<i>Output:</i>					
Output total	8.844.567.314,00	9.042.891.302,00	1	1,0237	
<i>Input:</i>					
Tenaga kerja	269.133.445,00	269.133.445,00	1	1,0000	
Bahan baku	4.022.598.973,52	4.029.152.667,16	1	1,0016	
Energi	72.501.208,92	74.138.573,01	1	1,0226	
Modal	4.485.221.128,92	4.595.201.628,61	1	1,0353	
<i>Input total</i>	8.849.454.756,36	8.967.626.313,78	1	1,0187	
Produktifitas:					
Tenaga kerja	32,8207	33,6000	1	1,0237	2,3743
Bahan baku	2,1959	2,2444	1	1,0221	2,2078
Energi	121,8347	123,9782	1	1,0176	1,7594
Modal	1,9902	1,9679	1	0,9888	-1,1197
Produktifitas total	1.0035	1,0084	1	1,0049	0,4904

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