

Lampiran 1. Kuesioner Penelitian

A. Karakteristik Rumah tangga

Karakteristik rumah tangga	Kode	Isian	Keterangan isian
Nama	A1		
No. HP	A2		
Umur	A3		Tahun
Jenis Kelamin	A4		1 = Pria ; 0 = Wanita;
Pendidikan	A5		0=Tdk sekolah; 1= SD tdk tamat; 2= SD tamat; 3=SLTP; 4=SLTA; 5=Diploma/PT
Pekerjaan utama	A6		1 = Petani; 2 = Pedagang; 3 = Jasa; 4 = Karyawan/ Pegawai/ Pekerja
Jumlah anggota keluarga	A7		Jumlah anggota keluarga yang tinggal serumah
Jumlah anggota keluarga yang tidak bekerja	A8		Jumlah anak dibawah usia 0-15 tahun yang tidak bekerja

B. Aset Kepemilikan Lahan Pertanian

Pemilihan lahan	Luas (Ha)		Sertifikasi lahan	
	Kode	Isian	Kode	Isian (1= sertifikat; 0=belum)
Sawah	B1		B5	
Tegal	B2		B6	
Pekarangan	B3		B7	
Kolam/tambak	B4		B8	

C.Sumberdaya Lahan (Jagung)

Sumberdaya Lahan	Kode	Isian	Keterangan isian
Luas lahan	C1		Hektar
Jenis lahan	C2		1=Sawah irigasi; 2= Sawah tadah hujan; 3=tegal
Status penguasaan	C3		1=milik; 2=sewa; 3= bagi hasil

D. Penggunaan benih

Penggunaan benih	Yang dilakukan petani		
	Kode	Isian	Keterangan isian
Jumlah	D1		Kg/ satuan lainnya sebutkan
Jenis benih	D2		1= lokal; 2= unggul; 3= hibrida; 4=
Nama varietas	D3		Sebutkan nama varietasnya
Harga benih/bibit	D4		Harga pembelian bibit dalam Kg atau satuan lain, sebutkan

F. Penggunaan Pupuk

Penggunaan pupuk	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Keterangan isian		
	Kode	Satuan	Kode	Harga			
a. Pupuk urea	F1		F8		F15		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
b. Pupuk TSP/ SP36	F2		F9		F16		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
c. Pupuk KCl	F3		F10		F17		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran

Penggunaan pupuk	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
d. Pupuk NPK	F4		F11		F18		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
e. Pupuk kandang	F5		F12		F19		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
f. Pupuk kompos	F6		F13		F20		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran
g. Pupuk	F7		F14		F21		Isikan jika ada anjuran (Kg/ satuan) atau 0 = jika belum ada anjuran

G. Penggunaan Pestisida dan Herbisida

Jenis pestisida dan Herbisida	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
1.....	G1		G4		G7		Isikan jika ada anjuran (liter/ satuan) atau 0 = jika belum ada anjuran
2.....	G2		G5		G8		Isikan jika ada anjuran (liter / satuan) atau 0 = jika belum ada anjuran
3.....	G3		G6		G9		Isikan jika ada anjuran (liter / satuan) atau 0 =

Jenis pestisida dan Herbisida	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
							jika belum ada anjuran

H. Penggunaan Modal

Asal Sumber modal pinjaman	Jumlah Rp	
	Kode	isian
Bank	H1	
Koperasi	H2	
Kelompok Tani	H3	
Gapoktan	H4	
KUR	H5	
.....	H6	

I. Penggunaan Tenaga Kerja

Tenaga Kerja	Tenaga Kerja Dalam Keluarga		Tenaga Kerja Luar Keluarga			
	Jumlah Orang		Jumlah Orang		Nilai Tenaga Kerja (Rp)	
Jumlah tenaga Kerja	Kode	Isian	Kode	Isian	Kode	Isian
a. Pengolahan lahan	I1		I9		I17	
b. Penanaman	I2		I10		I18	
c. Pemupukan	I3		I11		I19	
d. Penyiangan	I4		I12		I20	
e. Penyemp. pesti.	I5		I13		I21	
f. Pengairan	I6		I14		I22	
g. Panen	I7		I15		I23	
h.	I8		I16		I24	
Hari Kerja	Jam/hari		Upah/hari			
	Kode	Isian	Kode	Isian		

Hari kerja pria	I25		I28		
Hari kerja wanita	I26		I29		
Hari kerja ternak	I27		I30		

J. Produksi

Indikator	Kode	Isian	Keterangan
Produksi hasil panen (kw)	J1		Sebutkan jumlahnya ,
Bentuk yang dijual	J2		1=jagung tongkol basah ;2 = Jagung Tongkol kering; 3= , jagung pipilan
Penanganan pasca Panen	J3		Sebutkan biaya yang dikeluarkan dalam Rupiah dari jumlah produk yang diperlakukan kegiatan ini dan taksir biayanya walaupun berasal dari dalam keluarga. Isikan nol (0) jika tidak melakukan
Pengeringan	J4		
Sortir	J5		
Pengolahan	J6		
Pengemasan	J7		
Biaya Angkut	J8		Sebutkan biaya dalam satuan rupiah dari total produk yang dijual angkutan
Sistem penjualan	J9		1= Tebasan/borong; 2 = perkeatuan berat 3= ijon; 4 =.....
Lembaga pembeli	J10		1= tengkulak; 2=pedagang pengumpul; 3= pedagang besar; 4= koperasi; 5= pengecer; 6= pengolah; 7 =

Indikator	Kode	Isian	Keterangan
Jumlah produk yang dijual (Kw)	J11		Besarnya jumlah produk yang dijual
Harga jual / Kw	J12		Harga penjualan penjualan
Nilai Penjualan nilai (Rp)	J13		Nilai penjualan totat dalam satuan rupiah (juga termasuk kalau ijon dan tebasan)

Lampiran 2. Data Hasil Wawancara

No.	Nama	Umur	KEL	TP	PROD	LUS	BNH	Pkand	Pkim	HERB	TK	Hbit	Hpo	hpk	hreb	hTK
1	Kartasih	50	1	1	800,00	0,10	5,00	180,00	100,00	1,00	8,00	71.875	300,00	4.675	59.750	60.000
2	Karjo	53	1	3	900,00	0,13	5,50	240,00	100,00	1,00	13,00	71.875	300,00	4.675	59.750	60.000
3	Anwar	46	1	1	400,00	0,14	1,00	240,00	100,00	1,00	8,00	71.875	300,00	4.675	59.750	60.000
4	Salekah	65	1	4	1200,00	0,15	4,00	240,00	150,00	1,00	22,00	71.875	300,00	4.675	59.750	60.000
5	Mustaji	52	1	4	760,00	0,15	3,00	240,00	100,00	1,00	11,00	71.875	300,00	4.675	59.750	60.000
6	Sarkimin	47	1	3	850,00	0,19	3,00	280,00	100,00	2,00	24,00	71.875	300,00	4.675	59.750	60.000
7	Dohir	35	1	4	600,00	0,20	2,00	360,00	100,00	1,00	28,00	71.875	300,00	4.675	59.750	60.000
8	Darmunit	52	1	2	800,00	0,20	3,00	450,00	75,00	1,00	15,00	71.875	300,00	4.675	59.750	60.000
9	Markamah	37	3	3	800,00	0,20	5,00	500,00	150,00	1,00	29,00	71.875	300,00	4.675	59.750	60.000
10	Sukadi	51	1	3	600,00	0,20	3,00	450,00	75,00	1,00	12,00	71.875	300,00	4.675	59.750	60.000
11	M. Anam	31	1	3	450,00	0,21	5,00	360,00	100,00	1,00	12,00	71.875	300,00	4.675	59.750	60.000
12	Samiaji	43	2	3	500,00	0,22	2,00	450,00	50,00	1,00	13,00	71.875	300,00	4.675	59.750	60.000
13	Sukarni	43	2	2	400,00	0,22	3,00	450,00	25,00	1,00	16,00	71.875	300,00	4.675	59.750	60.000
14	Umi Salamah	45	1	3	600,00	0,22	2,00	450,00	100,00	1,00	19,00	71.875	300,00	4.675	59.750	60.000
15	Karmaun	64	1	2	250,00	0,27	3,00	600,00	75,00	1,00	19,00	71.875	300,00	4.675	59.750	60.000
16	Sulasmi	48	1	1	400,00	0,30	1,50	600,00	45,00	1,00	10,00	71.875	300,00	4.675	59.750	60.000
17	M. Solih	56	1	2	800,00	0,44	6,00	900,00	100,00	1,00	22,00	71.875	300,00	4.675	59.750	60.000
18	H. Ruslan	70	1	2	500,00	0,44	5,00	900,00	30,00	1,00	14,00	71.875	300,00	4.675	59.750	60.000
19	Khoirul Fatihin	31	1	3	700,00	0,45	5,00	900,00	100,00	1,00	21,00	71.875	300,00	4.675	59.750	60.000

No.	Nama	Umur	KEL	TP	PROD	LUS	BNH	Pkand	Pkim	HERB	TK	Hbit	Hpo	hpk	hreb	hTK
20	Marwan	60	1	0	1000,00	0,49	6,00	900,00	250,00	11,00	55,00	71.875	300,00	4.675	59.750	60.000
21	Mat Trubus	40	3	3	1000,00	0,30	5,00	300,00	150,00	2,00	24,00	71.875	300,00	4.675	59.750	60.000
22	Muslan P. Hari	67	1	1	1400,00	0,40	10,00	600,00	100,00	10,00	34,00	71.875	300,00	4.675	59.750	60.000
23	Siti Khotimah	45	1	2	400,00	0,50	2,50	750,00	50,00	2,00	22,00	71.875	300,00	4.675	59.750	60.000
24	Mukahar	40	3	4	400,00	0,51	3,00	650,00	100,00	2,00	20,00	71.875	300,00	4.675	59.750	60.000
25	M. Muqim	42	2	4	850,00	0,56	3,00	750,00	100,00	4,00	38,00	71.875	300,00	4.675	59.750	60.000
26	Hj. Rosminah	67	1	1	1000,00	0,60	4,00	750,00	250,00	2,00	23,00	71.875	300,00	4.675	59.750	60.000
27	Sholihah	49	1	1	1400,00	0,64	5,00	800,00	300,00	2,00	35,00	71.875	300,00	4.675	59.750	60.000
28	Slamet	61	1	1	2100,00	0,64	7,50	900,00	200,00	1,00	52,00	71.875	300,00	4.675	59.750	60.000
29	Nyasuan	51	1	2	2800,00	0,66	8,00	1500,00	400,00	5,00	52,00	71.875	300,00	4.675	59.750	60.000
30	M. Alimun	58	1	1	1600,00	0,66	10,00	1500,00	150,00	4,00	40,00	71.875	300,00	4.675	59.750	60.000
31	Warkiyasih	63	1	3	1600,00	0,70	6,00	1550,00	200,00	2,00	34,00	71.875	300,00	4.675	59.750	60.000
32	Uliyatun	48	1	5	1900,00	0,70	8,00	900,00	250,00	8,00	20,00	71.875	300,00	4.675	59.750	60.000
33	Alimi	61	1	1	1300,00	0,70	5,00	450,00	150,00	1,00	89,00	71.875	300,00	4.675	59.750	60.000
34	Muntohir	49	3	3	1200,00	0,80	9,00	900,00	100,00	2,00	49,00	71.875	300,00	4.675	59.750	60.000
35	Kasiono	44	2	1	2200,00	0,80	8,00	700,00	150,00	7,00	87,00	71.875	300,00	4.675	59.750	60.000
36	M. Amin	33	1	2	1500,00	0,81	8,50	900,00	200,00	1,00	19,00	71.875	300,00	4.675	59.750	60.000
37	Hendik	33	1	5	7000,00	1,00	25,00	1500,00	250,00	15,00	95,00	71.875	300,00	4.675	59.750	60.000
38	Murtaji	52	1	2	2400,00	1,00	5,00	1800,00	200,00	1,00	36,00	71.875	300,00	4.675	59.750	60.000
39	Nur Rohim	46	1	2	1900,00	1,00	13,00	1650,00	200,00	13,00	30,00	71.875	300,00	4.675	59.750	60.000
40	Markuat	57	1	2	1200,00	1,00	5,00	600,00	250,00	4,00	30,00	71.875	300,00	4.675	59.750	60.000
41	Suwargo	58	1	4	1300,00	1,00	10,00	1800,00	300,00	1,00	25,00	71.875	300,00	4.675	59.750	60.000

No.	Nama	Umur	KEL	TP	PROD	LUS	BNH	Pkand	Pkim	HERB	TK	Hbit	Hpo	hpk	hreb	hTK
42	Muzayin	44	1	1	500,00	0,38	3,50	600,00	200,00	5,00	31,00	71.875	300,00	4.675	59.750	60.000
43	Suwanan	60	2	2	4000,00	1,03	12,00	2250,00	450,00	10,00	42,00	71.875	300,00	4.675	59.750	60.000
44	Samid	43	2	3	1800,00	1,07	7,00	1800,00	300,00	3,00	29,00	71.875	300,00	4.675	59.750	60.000
45	M. Jaiz	70	1	1	2000,00	1,11	6,00	1800,00	250,00	2,00	65,00	71.875	300,00	4.675	59.750	60.000
46	Asrofin	45	1	5	2000,00	1,15	10,00	2100,00	300,00	3,00	42,00	71.875	300,00	4.675	59.750	60.000
47	Kholiq Idris	38	1	5	3100,00	1,30	12,00	2600,00	400,00	2,00	36,00	71.875	300,00	4.675	59.750	60.000
48	Kasnawi	55	2	1	2200,00	1,40	15,00	2600,00	400,00	2,00	64,00	71.875	300,00	4.675	59.750	60.000
49	Ja'far	35	2	5	3500,00	1,47	9,00	2400,00	250,00	1,00	48,00	71.875	300,00	4.675	59.750	60.000
50	Erna	31	1	5	10000,00	1,50	30,00	2400,00	130,00	3,00	130,00	71.875	300,00	4.675	59.750	60.000
51	Agus Rozi	44	2	1	900,00	0,50	4,50	900,00	350,00	1,00	11,00	71.875	300,00	4.675	59.750	60.000
52	Mat Qadir	41	1	1	2100,00	0,80	8,00	1500,00	300,00	4,00	24,00	71.875	300,00	4.675	59.750	60.000
53	Sulkan	39	1	3	500,00	0,50	4,50	1500,00	250,00	2,00	18,00	71.875	300,00	4.675	59.750	60.000
54	Kasdim	61	1	1	3000,00	1,70	13,00	1800,00	600,00	2,00	37,00	71.875	300,00	4.675	59.750	60.000
55	Samiin	45	1	2	5300,00	2,70	12,00	4800,00	1000,00	25,00	185,00	71.875	300,00	4.675	59.750	60.000
56	Yasnan	80	1	0	7200,00	3,20	20,00	5400,00	1500,00	1,00	214,00	71.875	300,00	4.675	59.750	60.000
57	Matraji	55	1	1	6000,00	4,50	30,00	7200,00	2000,00	15,00	264,00	71.875	300,00	4.675	59.750	60.000
58	Restan	67	1	2	2000,00	0,41	5,00	270,00	200,00	2,00	60,00	71.875	300,00	4.675	59.750	60.000
59	Jari	55	1	1	1800,00	0,42	5,00	300,00	350,00	3,00	23,00	71.875	300,00	4.675	59.750	60.000
60	Sujai	59	1	1	3400,00	1,38	15,00	3000,00	1000,00	8,00	55,00	71.875	300,00	4.675	59.750	60.000
61	Usman	65	1	3	1000,00	1,31	15,00	1800,00	1000,00	7,00	35,00	71.875	300,00	4.675	59.750	60.000
62	Karso	65	2	1	2100,00	1,36	16,00	1500,00	600,00	9,00	93,00	71.875	300,00	4.675	59.750	60.000

Lampiran 3. Hasil Perhitungan Efisiensi Menggunakan Model DEA CRS

Results from DEAP Version 2.1

Cost efficiency DEA

Scale assumption CRS

EFFICIENCY SUMMARY:

firm	te	ae	ce
1	1.000	0.781	0.781
2	0.824	0.813	0.670
3	0.904	0.566	0.512
4	0.969	0.682	0.661
5	0.844	0.839	0.708
6	0.744	0.621	0.462
7	0.693	0.442	0.306
8	0.717	0.855	0.613
9	0.445	0.772	0.343
10	0.607	0.864	0.525
11	0.421	0.829	0.349
12	0.604	0.759	0.458
13	0.381	0.822	0.313
14	0.675	0.594	0.401
15	0.206	0.777	0.160
16	0.608	0.709	0.431
17	0.449	0.873	0.392
18	0.451	0.777	0.350
19	0.421	0.864	0.364
20	0.401	0.541	0.217
21	0.643	0.755	0.486
22	0.529	0.789	0.418
23	0.402	0.570	0.229
24	0.319	0.727	0.232
25	0.648	0.463	0.300
26	0.608	0.739	0.449
27	0.688	0.670	0.461
28	0.779	0.686	0.535
29	0.846	0.709	0.600
30	0.487	0.893	0.435
31	0.647	0.802	0.519
32	0.981	0.721	0.707
33	0.715	0.327	0.234
34	0.378	0.846	0.320
35	0.753	0.484	0.364

firm	te	ae	ce
36	0.933	0.729	0.680
37	1.000	0.835	0.835
38	1.000	0.764	0.764
39	0.717	0.672	0.482
40	0.625	0.701	0.438
41	0.636	0.673	0.428
42	0.337	0.556	0.188
43	1.000	0.810	0.810
44	0.749	0.759	0.569
45	0.718	0.567	0.407
46	0.591	0.817	0.483
47	1.000	0.739	0.739
48	0.442	0.842	0.373
49	1.000	0.815	0.815
50	1.000	1.000	1.000
51	0.902	0.566	0.511
52	0.945	0.758	0.716
53	0.330	0.691	0.228
54	0.954	0.710	0.677
55	0.920	0.382	0.351
56	1.000	0.427	0.427
57	0.447	0.602	0.269
58	1.000	0.490	0.490
59	1.000	0.753	0.753
60	0.702	0.708	0.497
61	0.294	0.633	0.186
62	0.358	0.737	0.264

mean 0.684 0.705 0.479

Note : te = Technical efficiency
ae = Allocative efficiency
ce = Cost efficiency

Summary of Cost Minimising Input Quantities

Firm	1	2	3	4	5
Input					
1	2.400	192.000	10.400	0.240	10.400
2	2.700	216.000	11.700	0.270	11.700
3	1.200	96.000	5.200	0.120	5.200
4	3.600	288.000	15.600	0.360	15.600

Firm Input	1	2	3	4	5
5	2.280	182.400	9.880	0.228	9.880
6	2.550	204.000	11.050	0.255	11.050
7	1.800	144.000	7.800	0.180	7.800
8	2.400	192.000	10.400	0.240	10.400
9	2.400	192.000	10.400	0.240	10.400
10	1.800	144.000	7.800	0.180	7.800
11	1.350	108.000	5.850	0.135	5.850
12	1.500	120.000	6.500	0.150	6.500
13	1.200	96.000	5.200	0.120	5.200
14	1.800	144.000	7.800	0.180	7.800
15	0.750	60.000	3.250	0.075	3.250
16	1.200	96.000	5.200	0.120	5.200
17	2.400	192.000	10.400	0.240	10.400
18	1.500	120.000	6.500	0.150	6.500
19	2.100	168.000	9.100	0.210	9.100
20	3.000	240.000	13.000	0.300	13.000
21	3.000	240.000	13.000	0.300	13.000
22	4.200	336.000	18.200	0.420	18.200
23	1.200	96.000	5.200	0.120	5.200
24	1.200	96.000	5.200	0.120	5.200
25	2.550	204.000	11.050	0.255	11.050
26	3.000	240.000	13.000	0.300	13.000
27	4.200	336.000	18.200	0.420	18.200
28	6.300	504.000	27.300	0.630	27.300
29	8.400	672.000	36.400	0.840	36.400
30	4.800	384.000	20.800	0.480	20.800
31	4.800	384.000	20.800	0.480	20.800
32	5.700	456.000	24.700	0.570	24.700
33	3.900	312.000	16.900	0.390	16.900

Firm Input	1	2	3	4	5
34	3.600	288.000	15.600	0.360	15.600
35	6.600	528.000	28.600	0.660	28.600
36	4.500	360.000	19.500	0.450	19.500
37	21.000	1.680.000	91.000	2.100	91.000
38	7.200	576.000	31.200	0.720	31.200
39	5.700	456.000	24.700	0.570	24.700
40	3.600	288.000	15.600	0.360	15.600
41	3.900	312.000	16.900	0.390	16.900
42	1.500	120.000	6.500	0.150	6.500
43	12.000	960.000	52.000	1.200	52.000
44	5.400	432.000	23.400	0.540	23.400
45	6.000	480.000	26.000	0.600	26.000
46	6.000	480.000	26.000	0.600	26.000
47	9.300	744.000	40.300	0.930	40.300
48	6.600	528.000	28.600	0.660	28.600
49	10.500	840.000	45.500	1.050	45.500
50	30.000	2.400.000	130.000	3.000	130.000
51	2.700	216.000	11.700	0.270	11.700
52	6.300	504.000	27.300	0.630	27.300
53	1.500	120.000	6.500	0.150	6.500
54	9.000	720.000	39.000	0.900	39.000
55	15.900	1.272.000	68.900	1.590	68.900
56	21.600	1.728.000	93.600	2.160	93.600
57	18.000	1.440.000	78.000	1.800	78.000
58	6.000	480.000	26.000	0.600	26.000
59	5.400	432.000	23.400	0.540	23.400
60	10.200	816.000	44.200	1.020	44.200
61	3.000	240.000	13.000	0.300	13.000
62	6.300	504.000	27.300	0.630	27.300

Lampiran 4. Hasil Perhitungan Efisiensi Menggunakan Model DEA VRS

Results from DEAP Version 2.1

Cost efficiency DEA

Scale assumption VRS

EFFICIENCY SUMMARY:

firm	te	ae	Ce
1	1.000	1.000	1.000
2	1.000	0.835	0.835
3	1.000	1.000	1.000
4	1.000	0.779	0.779
5	1.000	0.932	0.932
6	1.000	0.583	0.583
7	1.000	0.461	0.461
8	1.000	0.785	0.785
9	1.000	0.440	0.440
10	1.000	0.790	0.790
11	1.000	0.630	0.630
12	1.000	0.772	0.772
13	1.000	0.612	0.612
14	1.000	0.603	0.603
15	1.000	0.500	0.500
16	1.000	0.842	0.842
17	1.000	0.502	0.502
18	1.000	0.590	0.590
19	1.000	0.501	0.501
20	0.446	0.593	0.264
21	0.781	0.758	0.592
22	0.758	0.633	0.480
23	0.780	0.574	0.448
24	0.608	0.745	0.453
25	0.815	0.465	0.379
26	0.661	0.828	0.548
27	0.712	0.744	0.530
28	1.000	0.584	0.584
29	0.865	0.738	0.638
30	0.562	0.873	0.490
31	0.691	0.847	0.585
32	0.986	0.792	0.781
33	1.000	0.272	0.272
34	0.570	0.662	0.377
35	0.812	0.488	0.396
36	1.000	0.774	0.774

37	1.000	0.844	0.844
38	1.000	0.823	0.823
39	0.720	0.740	0.532
40	0.649	0.796	0.517
41	1.000	0.498	0.498
42	0.459	0.688	0.316
43	1.000	0.839	0.839
44	0.791	0.799	0.632
45	0.724	0.617	0.447
46	0.618	0.857	0.530
47	1.000	0.779	0.779
48	0.500	0.810	0.405
49	1.000	0.852	0.852
50	1.000	1.000	1.000
51	1.000	0.637	0.637
52	0.958	0.816	0.782
53	0.500	0.769	0.384
54	0.964	0.743	0.716
55	1.000	0.359	0.359
56	1.000	0.431	0.431
57	0.532	0.515	0.274
58	1.000	0.538	0.538
59	1.000	0.837	0.837
60	0.706	0.737	0.521
61	0.316	0.717	0.227
62	0.362	0.796	0.288

mean 0.852 0.699 0.593

te = technical efficiency
ae = allocative efficiency
ce = cost efficiency

Summary of Cost Minimising Input Quantities:

firm					
input:	1	2	3	4	5
1	5.000	180.000	100.000	1.000	8.000
2	5.272	204.130	100.326	1.022	9.326
3	1.000	240.000	100.000	1.000	8.000
4	6.087	276.522	101.304	1.087	13.304
5	4.600	186.000	100.000	1.000	8.000
6	5.136	192.065	100.163	1.011	8.663
7	3.000	210.000	100.000	1.000	8.000

8	5.000	180.000	100.000	1.000	8.000
9	5.000	180.000	100.000	1.000	8.000
10	3.000	210.000	100.000	1.000	8.000
11	1.500	232.500	100.000	1.000	8.000
12	2.000	225.000	100.000	1.000	8.000
13	1.000	240.000	100.000	1.000	8.000
14	3.000	210.000	100.000	1.000	8.000
15	1.000	240.000	100.000	1.000	8.000
16	1.000	240.000	100.000	1.000	8.000
17	5.000	180.000	100.000	1.000	8.000
18	2.000	225.000	100.000	1.000	8.000
19	4.000	195.000	100.000	1.000	8.000
20	5.543	228.261	100.652	1.043	10.652
21	5.543	228.261	100.652	1.043	10.652
22	6.630	324.783	101.957	1.130	15.957
23	1.000	240.000	100.000	1.000	8.000
24	1.000	240.000	100.000	1.000	8.000
25	5.136	192.065	100.163	1.011	8.663
26	5.543	228.261	100.652	1.043	10.652
27	6.630	324.783	101.957	1.130	15.957
28	8.533	493.696	104.239	1.283	25.239
29	10.435	662.609	106.522	1.435	34.522
30	7.174	373.043	102.609	1.174	18.609
31	7.174	373.043	102.609	1.174	18.609
32	7.989	445.435	103.587	1.239	22.587
33	6.359	300.652	101.630	1.109	14.630
34	6.087	276.522	101.304	1.087	13.304
35	8.804	517.826	104.565	1.304	26.565
36	6.902	348.913	102.283	1.152	17.283
37	21.848	1.676.087	120.217	2.348	90.217
38	9.348	566.087	105.217	1.348	29.217
39	7.989	445.435	103.587	1.239	22.587
40	6.087	276.522	101.304	1.087	13.304
41	6.359	300.652	101.630	1.109	14.630
42	2.000	225.000	100.000	1.000	8.000
43	13.696	952.174	110.435	1.696	50.435
44	7.717	421.304	103.261	1.217	21.261
45	8.261	469.565	103.913	1.261	23.913
46	8.261	469.565	103.913	1.261	23.913
47	11.250	735.000	107.500	1.500	38.500
48	8.804	517.826	104.565	1.304	26.565
49	12.337	831.522	108.804	1.587	43.804

50	30.000	2.400.000	130.000	3.000	130.000
51	5.272	204.130	100.326	1.022	9.326
52	8.533	493.696	104.239	1.283	25.239
53	2.000	225.000	100.000	1.000	8.000
54	10.978	710.870	107.174	1.478	37.174
55	17.228	1.265.870	114.674	1.978	67.674
56	22.391	1.724.348	120.870	2.391	92.870
57	19.130	1.434.783	116.957	2.130	76.957
58	8.261	469.565	103.913	1.261	23.913
59	7.717	421.304	103.261	1.217	21.261
60	12.065	807.391	108.478	1.565	42.478
61	5.543	228.261	100.652	1.043	10.652
62	8.533	493.696	104.239	1.283	25.239

Lampiran 5. Perhitungan Scale

Results From DEA Version 2.1

Input Orientated DEA

Scale assumption : VRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY :

firm	crste	vrste	scale	
1	1.000	1.000	1.000	-
2	0.824	1.000	0.824	irs
3	0.904	1.000	0.904	irs
4	0.969	1.000	0.969	irs
5	0.844	1.000	0.844	irs
6	0.744	1.000	0.744	irs
7	0.693	1.000	0.693	irs
8	0.717	1.000	0.717	irs
9	0.445	1.000	0.445	irs
10	0.607	1.000	0.607	irs
11	0.421	1.000	0.421	irs
12	0.604	1.000	0.604	irs
13	0.381	1.000	0.381	irs
14	0.675	1.000	0.675	irs
15	0.206	1.000	0.206	irs
16	0.608	1.000	0.608	irs
17	0.449	1.000	0.449	irs
18	0.451	1.000	0.451	irs
19	0.421	1.000	0.421	irs
20	0.401	0.446	0.899	irs
21	0.643	0.781	0.823	irs
22	0.529	0.758	0.698	irs
23	0.402	0.780	0.516	irs
24	0.319	0.608	0.524	irs
25	0.648	0.815	0.795	irs
26	0.608	0.661	0.919	irs
27	0.688	0.712	0.966	irs
28	0.779	1.000	0.779	irs
29	0.846	0.865	0.979	drs
30	0.487	0.562	0.867	irs
31	0.647	0.691	0.937	irs

firm	crste	vrste	scale	
32	0.981	0.986	0.995	drs
33	0.715	1.000	0.715	irs
34	0.378	0.570	0.663	irs
35	0.753	0.812	0.928	irs
36	0.933	1.000	0.933	irs
37	1.000	1.000	1.000	-
38	1.000	1.000	1.000	-
39	0.717	0.720	0.997	drs
40	0.625	0.649	0.963	irs
41	0.636	1.000	0.636	irs
42	0.337	0.459	0.735	irs
43	1.000	1.000	1.000	-
44	0.749	0.791	0.947	irs
45	0.718	0.724	0.991	irs
46	0.591	0.618	0.956	irs
47	1.000	1.000	1.000	-
48	0.442	0.500	0.885	irs
49	1.000	1.000	1.000	-
50	1.000	1.000	1.000	-
51	0.902	1.000	0.902	irs
52	0.945	0.958	0.986	irs
53	0.330	0.500	0.660	irs
54	0.954	0.964	0.990	drs
55	0.920	1.000	0.920	drs
56	1.000	1.000	1.000	-
57	0.447	0.532	0.841	drs
58	1.000	1.000	1.000	-
59	1.000	1.000	1.000	-
60	0.702	0.706	0.994	irs
61	0.294	0.316	0.929	irs
62	0.358	0.362	0.989	irs
Mean	0,684	0,852	0,810	

Note: crste = Technical efficiency from CRS DEA
vrst = Technical efficiency from VRS DEA
scale = Scale efficiency

= crste/vrste

SUMMARY OF OUTPUT SLACKS

Firm Output	1
1	0.000
2	0.000
3	0.000

Firm Output	1
4	0.000
5	0.000
6	0.000
7	0.000
8	0.000
9	0.000
10	0.000
11	209.725
12	0.000
13	0.000
14	0.000
15	209.677
16	0.000
17	0.000
18	0.000
19	0.000
20	0.000
21	0.000
22	0.000
23	0.000
24	65.566
25	0.000
26	0.000
27	0.000
28	0.000
29	0.000
30	0.000
31	0.000
32	0.000
33	0.000
34	0.000
35	0.000
36	0.000
37	0.000
38	0.000
39	0.000
40	0.000
41	0.000
42	0.000
43	0.000
44	0.000

Firm Output	1
45	0.000
46	0.000
47	0.000
48	0.000
49	0.000
50	0.000
51	0.000
52	0.000
53	0.000
54	0.000
55	0.000
56	0.000
57	0.000
58	0.000
59	0.000
60	0.000
61	0.000
62	0.000
Mean	7.822

SUMMARY OF INPUT SLACKS:

firm input:	1	2	3	4	5
1	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000
7	0.120	21.600	6.000	0.000	15.600
8	0.000	0.000	0.000	0.000	0.000
9	1.873	187.272	56.182	0.000	16.008
10	0.264	39.530	6.588	0.000	1.054
11	1.007	72.496	20.138	0.000	2.417
12	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000
14	0.203	45.743	10.165	0.000	6.649
15	0.919	183.871	22.984	0.000	6.081
16	0.000	0.000	0.000	0.000	0.000
17	1.841	276.216	30.691	0.000	6.752
18	0.000	0.000	0.000	0.000	0.000

firm input:	1	2	3	4	5
19	1.749	314.895	34.988	0.000	7.348
20	0.000	0.000	0.000	3.760	6.892
21	0.000	0.000	0.000	0.392	0.000
22	1.274	0.000	0.000	6.419	5.097
23	0.000	30.000	0.000	0.560	5.360
24	0.000	0.000	0.000	0.217	0.212
25	0.000	0.000	0.000	2.199	16.034
26	0.000	0.000	8.739	0.000	0.000
27	0.000	0.000	55.093	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	123.010	2.619	0.000
30	0.000	250.732	0.000	1.020	0.000
31	0.000	241.325	0.000	0.000	0.000
32	0.474	0.000	27.274	3.820	0.000
33	0.248	22.315	7.438	0.000	62.401
34	0.000	0.000	0.000	0.000	5.752
35	0.000	0.000	0.000	3.906	30.987
36	2.463	144.444	61.111	0.000	0.630
37	0.000	0.000	0.000	0.000	0.000
38	0.000	0.000	0.000	0.000	0.000
39	1.566	587.678	0.000	7.129	0.000
40	0.000	0.000	0.000	1.054	0.000
41	4.259	1.208.889	172.222	0.000	9.593
42	0.000	0.000	0.000	1.258	4.250
43	0.000	0.000	0.000	0.000	0.000
44	0.000	622.163	0.000	0.000	0.000
45	0.000	0.000	0.000	0.306	12.710
46	0.000	117.570	0.000	0.000	0.000
47	0.000	0.000	0.000	0.000	0.000
48	0.862	42.550	14.613	0.000	1.047
49	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000
51	0.094	553.129	239.607	0.000	0.229
52	0.000	360.012	59.714	0.000	0.000
53	0.250	525.000	25.000	0.000	1.000
54	1.186	0.000	307.476	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000
56	0.000	0.000	0.000	0.000	0.000
57	0.000	201.239	342.502	0.000	0.000
58	0.000	0.000	0.000	0.000	0.000
59	0.000	0.000	0.000	0.000	0.000

firm input:	1	2	3	4	5
60	0.000	0.000	348.003	0.000	0.000
61	0.000	189.097	184.657	0.401	0.000
62	0.000	0.000	0.000	1.191	0.000
Mean	0.333	100.609	34.906	0.585	3.615

Summary of peers:

firm peers					
1	1				
2	2				
3	3				
4	4				
5	5				
6	6				
7	4	3	12	38	
8	8				
9	2	8	4	5	
10	8	1	16	12	5
11	3	1	13	16	
12	12				
13	13				
14	3	4	38	12	
15	3	12	13		
16	16				
17	49	1	8	18	13
18	18				
19	16	8	49	18	1
20	58	38	50	3	
21	50	1	4	5	58
22	1	13	50		
23	13	16			
24	12	13	3		
25	38	3	50	16	
26	3	50	59	49	5
27	59	38	50	58	3
28	28				
29	58	38	59	50	
30	3	16	1	50	
31	43	3	49	50	38
32	43	50	1		
33	28	2	4	8	
34	50	1	13	2	5

firm peers					
35	6	50	3	58	
36	49	1			
37	37				
38	38				
39	43	50	1		
40	50	59	38	58	3
41	1	49			
42	5	12	3	6	
43	43				
44	49	1	43	59	3
45	50	38	3	58	
46	3	50	49	43	1
47	47				
48	4	49	1		
49	49				
50	50				
51	1	3	49		
52	1	49	47	43	
53	3	1			
54	1	47	50	43	
55	55				
56	56				
57	50	38	55	56	
58	58				
59	59				
60	47	1	49	50	43
61	1	43	3		
62	38	50	59	3	58

SUMMARY OF PEER WEIGHTS:

(in same order as above)

Firm peer weights					
1	1.000				
2	1.000				
3	1.000				
4	1.000				
5	1.000				
6	1.000				
7	0.160	0.500	0.320	0.020	

8	1.000				
9	0.031	0.346	0.050	0.573	
10	0.107	0.219	0.307	0.240	0.127
11	0.043	0.649	0.161	0.146	
12	1.000				
13	1.000				
14	0.500	0.067	0.054	0.379	
15	0.161	0.597	0.242		
16	1.000				
17	0.047	0.160	0.409	0.280	0.105
18	1.000				
19	0.256	0.468	0.020	0.175	0.081
20	0.060	0.042	0.044	0.854	
21	0.002	0.253	0.009	0.569	0.166
22	0.565	0.355	0.081		
23	0.300	0.700			
24	0.656	0.085	0.259		
25	0.081	0.389	0.030	0.500	
26	0.703	0.002	0.159	0.112	0.024
27	0.114	0.159	0.033	0.130	0.563
28	1.000				
29	0.175	0.561	0.188	0.077	
30	0.247	0.348	0.292	0.113	
31	0.029	0.665	0.029	0.059	0.217
32	0.340	0.001	0.658		
33	0.226	0.098	0.492	0.184	
34	0.070	0.079	0.601	0.032	0.219
35	0.314	0.144	0.368	0.174	
36	0.259	0.741			
37	1.000				
38	1.000				
39	0.119	0.078	0.803		
40	0.036	0.207	0.037	0.057	0.663
41	0.815	0.185			
42	0.183	0.162	0.615	0.039	
43	1.000				
44	0.183	0.222	0.080	0.328	0.188
45	0.004	0.674	0.187	0.135	
46	0.258	0.006	0.350	0.094	0.292
47	1.000				
48	0.274	0.478	0.248		
49	1.000				
50	1.000				
51	0.713	0.218	0.069		

52	0.575	0.102	0.009	0.314	
53	0.750	0.250			
54	0.346	0.534	0.098	0.022	
55	1.000				
56	1.000				
57	0.215	0.267	0.273	0.245	
58	1.000				
59	1.000				
60	0.165	0.109	0.227	0.002	0.498
61	0.688	0.090	0.222		
62	0.061	0.084	0.372	0.326	0.157

SUMMARY OF INPUT TARGET:

Firm Input	1	2	3	4	5
1	5.000	180.000	100.000	1.000	8.000
2	5.500	240.000	100.000	1.000	13.000
3	1.000	240.000	100.000	1.000	8.000
4	4.000	240.000	150.000	1.000	22.000
5	3.000	240.000	100.000	1.000	11.000
6	3.000	280.000	100.000	2.000	24.000
7	1.880	338.400	94.000	1.000	12.400
8	3.000	450.000	75.000	1.000	15.000
9	3.127	312.728	93.818	1.000	12.992
10	2.736	410.470	68.412	1.000	10.946
11	3.993	287.504	79.862	1.000	9.583
12	2.000	450.000	50.000	1.000	13.000
13	3.000	450.000	25.000	1.000	16.000
14	1.797	404.257	89.835	1.000	12.351
15	2.081	416.129	52.016	1.000	12.919
16	1.500	600.000	45.000	1.000	10.000
17	4.159	623.784	69.309	1.000	15.248
18	5.000	900.000	30.000	1.000	14.000
19	3.251	585.105	65.012	1.000	13.652
20	2.677	401.516	111.532	1.148	17.645
21	3.906	234.335	117.167	1.171	18.747
22	6.306	454.839	75.806	1.161	20.677
23	1.950	555.000	39.000	1.000	11.800
24	1.825	395.519	60.849	1.000	11.958
25	2.444	611.087	81.478	1.060	14.928
26	2.645	496.006	156.596	1.323	15.211
27	3.561	569.715	158.550	1.424	24.925
28	7.500	900.000	200.000	1.000	52.000

Firm Input	1	2	3	4	5
29	6.917	1.296.845	222.815	1.704	44.957
30	5.615	591.545	84.228	1.226	22.461
31	4.145	829.367	138.154	1.382	23.486
32	7.412	887.210	219.174	4.066	19.716
33	4.752	427.685	142.562	1.000	26.599
34	5.132	513.199	57.022	1.140	22.189
35	6.494	568.184	121.754	1.776	39.631
36	6.037	755.556	138.889	1.000	18.370
37	25.000	1.500.000	250.000	15.000	95.000
38	5.000	1.800.000	200.000	1.000	36.000
39	7.788	599.525	143.903	2.225	21.585
40	3.246	389.548	162.312	1.543	19.477
41	5.741	591.111	127.778	1.000	15.407
42	1.608	275.656	91.885	1.039	9.992
43	12.000	2.250.000	450.000	10.000	42.000
44	5.534	800.786	237.158	2.372	22.925
45	4.345	1.303.411	181.029	1.143	34.358
46	6.182	1.180.576	185.449	1.854	25.963
47	12.000	2.600.000	400.000	2.000	36.000
48	6.638	1.257.450	185.387	1.000	30.953
49	9.000	2.400.000	250.000	1.000	48.000
50	30.000	2.400.000	130.000	3.000	130.000
51	4.406	346.871	110.393	1.000	10.771
52	7.666	1.077.410	227.771	3.833	22.999
53	2.000	225.000	100.000	1.000	8.000
54	11.341	1.734.557	270.710	1.927	35.655
55	12.000	4.800.000	1.000.000	25.000	185.000
56	20.000	5.400.000	1.500.000	1.000	214.000
57	15.956	3.628.231	721.240	7.978	140.414
58	5.000	270.000	200.000	2.000	60.000
59	5.000	300.000	350.000	3.000	23.000
60	10.588	2.117.510	357.834	5.647	38.821
61	4.744	380.144	131.588	1.812	11.069
62	5.795	543.319	217.328	2.069	33.686

FIRM BY FIRM RESULTS:

Results for firm: 1

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	800.000	0.000	0.000	800.000
input	1	5.000	0.000	0.000	5.000
input	2	180.000	0.000	0.000	180.000
input	3	100.000	0.000	0.000	100.000
input	4	1.000	0.000	0.000	1.000
input	5	8.000	0.000	0.000	8.000

LISTING OF PEERS:

peer	lambda	weight
1	1.000	

Results for firm: 2

Technical efficiency = 1.000

Scale efficiency = 0.824 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	900.000	0.000	0.000	900.000
input	1	5.500	0.000	0.000	5.500
input	2	240.000	0.000	0.000	240.000
input	3	100.000	0.000	0.000	100.000
input	4	1.000	0.000	0.000	1.000
input	5	13.000	0.000	0.000	13.000

LISTING OF PEERS:

peer	lambda	weight
2	1.000	

Results for firm: 3

Technical efficiency = 1.000

Scale efficiency = 0.904 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	400.000	0.000	0.000	400.000
input	1	1.000	0.000	0.000	1.000
input	2	240.000	0.000	0.000	240.000
input	3	100.000	0.000	0.000	100.000
input	4	1.000	0.000	0.000	1.000
input	5	8.000	0.000	0.000	8.000

LISTING OF PEERS:

peer	lambda	weight
3	1.000	

Results for firm: 4

Technical efficiency = 1.000

Scale efficiency = 0.969 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1200.000	0.000	0.000	1200.000
input	1	4.000	0.000	0.000	4.000
input	2	240.000	0.000	0.000	240.000
input	3	150.000	0.000	0.000	150.000
input	4	1.000	0.000	0.000	1.000
input	5	22.000	0.000	0.000	22.000

LISTING OF PEERS:

peer	lambda	weight
4	1.000	

Results for firm: 5

Technical efficiency = 1.000

Scale efficiency = 0.844 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	760.000	0.000	0.000	760.000
input	1	3.000	0.000	0.000	3.000
input	2	240.000	0.000	0.000	240.000
input	3	100.000	0.000	0.000	100.000
input	4	1.000	0.000	0.000	1.000
input	5	11.000	0.000	0.000	11.000

LISTING OF PEERS:

peer	lambda	weight
5	1.000	

Results for firm: 6

Technical efficiency = 1.000

Scale efficiency = 0.744 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	850.000	0.000	0.000	850.000
input	1	3.000	0.000	0.000	3.000
input	2	280.000	0.000	0.000	280.000
input	3	100.000	0.000	0.000	100.000
input	4	2.000	0.000	0.000	2.000
input	5	24.000	0.000	0.000	24.000

LISTING OF PEERS:

peer	lambda	weight
6	1.000	

Results for firm: 7

Technical efficiency = 1.000

Scale efficiency = 0.693 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	600.000	0.000	0.000	600.000
input	1	2.000	0.000	-0.120	1.880
input	2	360.000	0.000	-21.600	338.400
input	3	100.000	0.000	-6.000	94.000
input	4	1.000	0.000	0.000	1.000
input	5	28.000	0.000	-15.600	12.400

LISTING OF PEERS:

peer	lambda	weight
4	0.160	
3	0.500	
12	0.320	
38	0.020	

Results for firm: 8

Technical efficiency = 1.000

Scale efficiency = 0.717 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	800.000	0.000	0.000	800.000
input	1	3.000	0.000	0.000	3.000
input	2	450.000	0.000	0.000	450.000
input	3	75.000	0.000	0.000	75.000
input	4	1.000	0.000	0.000	1.000
input	5	15.000	0.000	0.000	15.000

LISTING OF PEERS:

peer	lambda	weight
8	1.000	

Results for firm: 9

Technical efficiency = 1.000

Scale efficiency = 0.445 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	800.000	0.000	0.000	800.000
input	1	5.000	0.000	-1.873	3.127
input	2	500.000	0.000	-187.272	312.728
input	3	150.000	0.000	-56.182	93.818
input	4	1.000	0.000	0.000	1.000
input	5	29.000	0.000	-16.008	12.992

LISTING OF PEERS:

peer	lambda	weight
2	0.031	
8	0.346	
4	0.050	
5	0.573	

Results for firm: 10

Technical efficiency = 1.000

Scale efficiency = 0.607 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	600.000	0.000	0.000	600.000
input	1	3.000	0.000	-0.264	2.736
input	2	450.000	0.000	-39.530	410.470
input	3	75.000	0.000	-6.588	68.412
input	4	1.000	0.000	0.000	1.000
input	5	12.000	0.000	-1.054	10.946

LISTING OF PEERS:

peer	lambda	weight
8	0.107	
1	0.219	
16	0.307	
12	0.240	
5	0.127	

Results for firm: 11

Technical efficiency = 1.000

Scale efficiency = 0.421 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	450.000	0.000	209.725	659.725
input	1	5.000	0.000	-1.007	3.993
input	2	360.000	0.000	-72.496	287.504
input	3	100.000	0.000	-20.138	79.862
input	4	1.000	0.000	0.000	1.000
input	5	12.000	0.000	-2.417	9.583

LISTING OF PEERS:

peer	lambda	weight
3	0.043	
1	0.649	
13	0.161	
16	0.146	

Results for firm: 12

Technical efficiency = 1.000

Scale efficiency = 0.604 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	500.000	0.000	0.000	500.000
input	1	2.000	0.000	0.000	2.000
input	2	450.000	0.000	0.000	450.000
input	3	50.000	0.000	0.000	50.000
input	4	1.000	0.000	0.000	1.000
input	5	13.000	0.000	0.000	13.000

LISTING OF PEERS:

peer	lambda	weight
12	1.000	

Results for firm: 13

Technical efficiency = 1.000

Scale efficiency = 0.381 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	400.000	0.000	0.000	400.000
input	1	3.000	0.000	0.000	3.000
input	2	450.000	0.000	0.000	450.000
input	3	25.000	0.000	0.000	25.000
input	4	1.000	0.000	0.000	1.000
input	5	16.000	0.000	0.000	16.000

LISTING OF PEERS:

peer	lambda	weight
13	1.000	

Results for firm: 14

Technical efficiency = 1.000

Scale efficiency = 0.675 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	600.000	0.000	0.000	600.000
input	1	2.000	0.000	-0.203	1.797
input	2	450.000	0.000	-45.743	404.257
input	3	100.000	0.000	-10.165	89.835
input	4	1.000	0.000	0.000	1.000
input	5	19.000	0.000	-6.649	12.351

LISTING OF PEERS:

peer	lambda	weight
3	0.500	
4	0.067	

38 0.054
12 0.379

Results for firm: 15

Technical efficiency = 1.000

Scale efficiency = 0.206 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	250.000	0.000	209.677	459.677
input	1	3.000	0.000	-0.919	2.081
input	2	600.000	0.000	-183.871	416.129
input	3	75.000	0.000	-22.984	52.016
input	4	1.000	0.000	0.000	1.000
input	5	19.000	0.000	-6.081	12.919

LISTING OF PEERS:

peer	lambda	weight
3	0.161	
12	0.597	
13	0.242	

Results for firm: 16

Technical efficiency = 1.000

Scale efficiency = 0.608 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	400.000	0.000	0.000	400.000
input	1	1.500	0.000	0.000	1.500
input	2	600.000	0.000	0.000	600.000
input	3	45.000	0.000	0.000	45.000
input	4	1.000	0.000	0.000	1.000
input	5	10.000	0.000	0.000	10.000

LISTING OF PEERS:

peer	lambda	weight
16	1.000	

Results for firm: 17

Technical efficiency = 1.000

Scale efficiency = 0.449 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	800.000	0.000	0.000	800.000
input	1	6.000	0.000	-1.841	4.159
input	2	900.000	0.000	-276.216	623.784
input	3	100.000	0.000	-30.691	69.309
input	4	1.000	0.000	0.000	1.000

input 5 22.000 0.000 -6.752 15.248

LISTING OF PEERS:

peer	lambda	weight
49	0.047	
1	0.160	
8	0.409	
18	0.280	
13	0.105	

Results for firm: 18

Technical efficiency = 1.000

Scale efficiency = 0.451 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output 1	1	500.000	0.000	0.000	500.000
input 1	1	5.000	0.000	0.000	5.000
input 2	2	900.000	0.000	0.000	900.000
input 3	3	30.000	0.000	0.000	30.000
input 4	4	1.000	0.000	0.000	1.000
input 5	5	14.000	0.000	0.000	14.000

LISTING OF PEERS:

peer	lambda	weight
18	1.000	

Results for firm: 19

Technical efficiency = 1.000

Scale efficiency = 0.421 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output 1	1	700.000	0.000	0.000	700.000
input 1	1	5.000	0.000	-1.749	3.251
input 2	2	900.000	0.000	-314.895	585.105
input 3	3	100.000	0.000	-34.988	65.012
input 4	4	1.000	0.000	0.000	1.000
input 5	5	21.000	0.000	-7.348	13.652

LISTING OF PEERS:

peer	lambda	weight
16	0.256	
8	0.468	
49	0.020	
18	0.175	
1	0.081	

Results for firm: 20

Technical efficiency = 0.446

Scale efficiency = 0.899 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1000.000	0.000	0.000	1000.000
input	1	6.000	-3.323	0.000	2.677
input	2	900.000	-498.484	0.000	401.516
input	3	250.000	-138.468	0.000	111.532
input	4	11.000	-6.093	-3.760	1.148
input	5	55.000	-30.463	-6.892	17.645

LISTING OF PEERS:

peer	lambda	weight
58	0.060	
38	0.042	
50	0.044	
3	0.854	

Results for firm: 21

Technical efficiency = 0.781

Scale efficiency = 0.823 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1000.000	0.000	0.000	1000.000
input	1	5.000	-1.094	0.000	3.906
input	2	300.000	-65.665	0.000	234.335
input	3	150.000	-32.833	0.000	117.167
input	4	2.000	-0.438	-0.392	1.171
input	5	24.000	-5.253	0.000	18.747

LISTING OF PEERS:

peer	lambda	weight
50	0.002	
1	0.253	
4	0.009	
5	0.569	
58	0.166	

Results for firm: 22

Technical efficiency = 0.758

Scale efficiency = 0.698 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1400.000	0.000	0.000	1400.000
input	1	10.000	-2.419	-1.274	6.306
input	2	600.000	-145.161	0.000	454.839

input	3	100.000	-24.194	0.000	75.806
input	4	10.000	-2.419	-6.419	1.161
input	5	34.000	-8.226	-5.097	20.677

LISTING OF PEERS:

peer	lambda	weight
1	0.565	
13	0.355	
50	0.081	

Results for firm: 23

Technical efficiency = 0.780

Scale efficiency = 0.516 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	400.000	0.000	0.000	400.000
input	1	2.500	-0.550	0.000	1.950
input	2	750.000	-165.000	-30.000	555.000
input	3	50.000	-11.000	0.000	39.000
input	4	2.000	-0.440	-0.560	1.000
input	5	22.000	-4.840	-5.360	11.800

LISTING OF PEERS:

peer	lambda	weight
13	0.300	
16	0.700	

Results for firm: 24

Technical efficiency = 0.608

Scale efficiency = 0.524 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	400.000	0.000	65.566	465.566
input	1	3.000	-1.175	0.000	1.825
input	2	650.000	-254.481	0.000	395.519
input	3	100.000	-39.151	0.000	60.849
input	4	2.000	-0.783	-0.217	1.000
input	5	20.000	-7.830	-0.212	11.958

LISTING OF PEERS:

peer	lambda	weight
12	0.656	
13	0.085	
3	0.259	

Results for firm: 25

Technical efficiency = 0.815

Scale efficiency = 0.795 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	850.000	0.000	0.000	850.000
input	1	3.000	-0.556	0.000	2.444
input	2	750.000	-138.913	0.000	611.087
input	3	100.000	-18.522	0.000	81.478
input	4	4.000	-0.741	-2.199	1.060
input	5	38.000	-7.038	-16.034	14.928

LISTING OF PEERS:

peer	lambda	weight
38	0.081	
3	0.389	
50	0.030	
16	0.500	

Results for firm: 26

Technical efficiency = 0.661

Scale efficiency = 0.919 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1000.000	0.000	0.000	1000.000
input	1	4.000	-1.355	0.000	2.645
input	2	750.000	-253.994	0.000	496.006
input	3	250.000	-84.665	-8.739	156.596
input	4	2.000	-0.677	0.000	1.323
input	5	23.000	-7.789	0.000	15.211

LISTING OF PEERS:

peer	lambda	weight
3	0.703	
50	0.002	
59	0.159	
49	0.112	
5	0.024	

Results for firm: 27

Technical efficiency = 0.712

Scale efficiency = 0.966 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1400.000	0.000	0.000	1400.000
input	1	5.000	-1.439	0.000	3.561
input	2	800.000	-230.285	0.000	569.715

input	3	300.000	-86.357	-55.093	158.550
input	4	2.000	-0.576	0.000	1.424
input	5	35.000	-10.075	0.000	24.925

LISTING OF PEERS:

peer	lambda	weight
59	0.114	
38	0.159	
50	0.033	
58	0.130	
3	0.563	

Results for firm: 28

Technical efficiency = 1.000

Scale efficiency = 0.779 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	2100.000	0.000	0.000	2100.000
input	1	7.500	0.000	0.000	7.500
input	2	900.000	0.000	0.000	900.000
input	3	200.000	0.000	0.000	200.000
input	4	1.000	0.000	0.000	1.000
input	5	52.000	0.000	0.000	52.000

LISTING OF PEERS:

peer	lambda	weight
28	1.000	

Results for firm: 29

Technical efficiency = 0.865

Scale efficiency = 0.979 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	2800.000	0.000	0.000	2800.000
input	1	8.000	-1.083	0.000	6.917
input	2	1500.000	-203.155	0.000	1296.845
input	3	400.000	-54.175	-123.010	222.815
input	4	5.000	-0.677	-2.619	1.704
input	5	52.000	-7.043	0.000	44.957

LISTING OF PEERS:

peer	lambda	weight
58	0.175	
38	0.561	
59	0.188	
50	0.077	

Results for firm: 30

Technical efficiency = 0.562

Scale efficiency = 0.867 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1600.000	0.000	0.000	1600.000
input	1	10.000	-4.385	0.000	5.615
input	2	1500.000	-657.723	-250.732	591.545
input	3	150.000	-65.772	0.000	84.228
input	4	4.000	-1.754	-1.020	1.226
input	5	40.000	-17.539	0.000	22.461

LISTING OF PEERS:

peer	lambda	weight
3	0.247	
16	0.348	
1	0.292	
50	0.113	

Results for firm: 31

Technical efficiency = 0.691

Scale efficiency = 0.937 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1600.000	0.000	0.000	1600.000
input	1	6.000	-1.855	0.000	4.145
input	2	1550.000	-479.308	-241.325	829.367
input	3	200.000	-61.846	0.000	138.154
input	4	2.000	-0.618	0.000	1.382
input	5	34.000	-10.514	0.000	23.486

LISTING OF PEERS:

peer	lambda	weight
43	0.029	
3	0.665	
49	0.029	
50	0.059	
38	0.217	

Results for firm: 32

Technical efficiency = 0.986

Scale efficiency = 0.995 (drs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1900.000	0.000	0.000	1900.000
input	1	8.000	-0.114	-0.474	7.412
input	2	900.000	-12.790	0.000	887.210

input	3	250.000	-3.553	-27.274	219.174
input	4	8.000	-0.114	-3.820	4.066
input	5	20.000	-0.284	0.000	19.716

LISTING OF PEERS:

peer	lambda	weight
43	0.340	
50	0.001	
1	0.658	

Results for firm: 33

Technical efficiency = 1.000

Scale efficiency = 0.715 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	1300.000	0.000	0.000	1300.000
input	1	5.000	0.000	-0.248	4.752
input	2	450.000	0.000	-22.315	427.685
input	3	150.000	0.000	-7.438	142.562
input	4	1.000	0.000	0.000	1.000
input	5	89.000	0.000	-62.401	26.599

LISTING OF PEERS:

peer	lambda	weight
28	0.226	
2	0.098	
4	0.492	
8	0.184	

Results for firm: 34

Technical efficiency = 0.570

Scale efficiency = 0.663 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	1200.000	0.000	0.000	1200.000
input	1	9.000	-3.868	0.000	5.132
input	2	900.000	-386.801	0.000	513.199
input	3	100.000	-42.978	0.000	57.022
input	4	2.000	-0.860	0.000	1.140
input	5	49.000	-21.059	-5.752	22.189

LISTING OF PEERS:

peer	lambda	weight
50	0.070	
1	0.079	
13	0.601	
2	0.032	
5	0.219	

Results for firm: 35

Technical efficiency = 0.812

Scale efficiency = 0.928 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2200.000	0.000	0.000	2200.000
input	1	8.000	-1.506	0.000	6.494
input	2	700.000	-131.816	0.000	568.184
input	3	150.000	-28.246	0.000	121.754
input	4	7.000	-1.318	-3.906	1.776
input	5	87.000	-16.383	-30.987	39.631

LISTING OF PEERS:

peer	lambda	weight
6	0.314	
50	0.144	
3	0.368	
58	0.174	

Results for firm: 36

Technical efficiency = 1.000

Scale efficiency = 0.933 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1500.000	0.000	0.000	1500.000
input	1	8.500	0.000	-2.463	6.037
input	2	900.000	0.000	-144.444	755.556
input	3	200.000	0.000	-61.111	138.889
input	4	1.000	0.000	0.000	1.000
input	5	19.000	0.000	-0.630	18.370

LISTING OF PEERS:

peer	lambda	weight
49	0.259	
1	0.741	

Results for firm: 37

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	7000.000	0.000	0.000	7000.000
input	1	25.000	0.000	0.000	25.000
input	2	1500.000	0.000	0.000	1500.000
input	3	250.000	0.000	0.000	250.000
input	4	15.000	0.000	0.000	15.000
input	5	95.000	0.000	0.000	95.000

LISTING OF PEERS:

peer lambda weight
37 1.000

Results for firm: 38

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2400.000	0.000	0.000	2400.000
input	1	5.000	0.000	0.000	5.000
input	2	1800.000	0.000	0.000	1800.000
input	3	200.000	0.000	0.000	200.000
input	4	1.000	0.000	0.000	1.000
input	5	36.000	0.000	0.000	36.000

LISTING OF PEERS:

peer lambda weight
38 1.000

Results for firm: 39

Technical efficiency = 0.720

Scale efficiency = 0.997 (drs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1900.000	0.000	0.000	1900.000
input	1	13.000	-3.646	-1.566	7.788
input	2	1650.000	-462.798	-587.678	599.525
input	3	200.000	-56.097	0.000	143.903
input	4	13.000	-3.646	-7.129	2.225
input	5	30.000	-8.415	0.000	21.585

LISTING OF PEERS:

peer lambda weight
43 0.119
50 0.078
1 0.803

Results for firm: 40

Technical efficiency = 0.649

Scale efficiency = 0.963 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1200.000	0.000	0.000	1200.000
input	1	5.000	-1.754	0.000	3.246
input	2	600.000	-210.452	0.000	389.548
input	3	250.000	-87.688	0.000	162.312

input	4	4.000	-1.403	-1.054	1.543
input	5	30.000	-10.523	0.000	19.477

LISTING OF PEERS:

peer	lambda	weight
50	0.036	
59	0.207	
38	0.037	
58	0.057	
3	0.663	

Results for firm: 41

Technical efficiency = 1.000

Scale efficiency = 0.636 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	1300.000	0.000	0.000	1300.000
input	1	10.000	0.000	-4.259	5.741
input	2	1800.000	0.000	-1208.889	591.111
input	3	300.000	0.000	-172.222	127.778
input	4	1.000	0.000	0.000	1.000
input	5	25.000	0.000	-9.593	15.407

LISTING OF PEERS:

peer	lambda	weight
1	0.815	
49	0.185	

Results for firm: 42

Technical efficiency = 0.459

Scale efficiency = 0.735 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	500.000	0.000	0.000	500.000
input	1	3.500	-1.892	0.000	1.608
input	2	600.000	-324.344	0.000	275.656
input	3	200.000	-108.115	0.000	91.885
input	4	5.000	-2.703	-1.258	1.039
input	5	31.000	-16.758	-4.250	9.992

LISTING OF PEERS:

peer	lambda	weight
5	0.183	
12	0.162	
3	0.615	
6	0.039	

Results for firm: 43

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	4000.000	0.000	0.000	4000.000
input	1	12.000	0.000	0.000	12.000
input	2	2250.000	0.000	0.000	2250.000
input	3	450.000	0.000	0.000	450.000
input	4	10.000	0.000	0.000	10.000
input	5	42.000	0.000	0.000	42.000

LISTING OF PEERS:

peer	lambda	weight
43	1.000	

Results for firm: 44

Technical efficiency = 0.791

Scale efficiency = 0.947 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1800.000	0.000	0.000	1800.000
input	1	7.000	-1.466	0.000	5.534
input	2	1800.000	-377.051	-622.163	800.786
input	3	300.000	-62.842	0.000	237.158
input	4	3.000	-0.628	0.000	2.372
input	5	29.000	-6.075	0.000	22.925

LISTING OF PEERS:

peer	lambda	weight
49	0.183	
1	0.222	
43	0.080	
59	0.328	
3	0.188	

Results for firm: 45

Technical efficiency = 0.724

Scale efficiency = 0.991 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2000.000	0.000	0.000	2000.000
input	1	6.000	-1.655	0.000	4.345
input	2	1800.000	-496.589	0.000	1303.411
input	3	250.000	-68.971	0.000	181.029
input	4	2.000	-0.552	-0.306	1.143
input	5	65.000	-17.932	-12.710	34.358

LISTING OF PEERS:

peer	lambda	weight
50	0.004	
38	0.674	
3	0.187	
58	0.135	

Results for firm: 46

Technical efficiency = 0.618

Scale efficiency = 0.956 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	2000.000	0.000	0.000	2000.000
input	1	10.000	-3.818	0.000	6.182
input	2	2100.000	-801.854	-117.570	1180.576
input	3	300.000	-114.551	0.000	185.449
input	4	3.000	-1.146	0.000	1.854
input	5	42.000	-16.037	0.000	25.963

LISTING OF PEERS:

peer	lambda	weight
3	0.258	
50	0.006	
49	0.350	
43	0.094	
1	0.292	

Results for firm: 47

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	3100.000	0.000	0.000	3100.000
input	1	12.000	0.000	0.000	12.000
input	2	2600.000	0.000	0.000	2600.000
input	3	400.000	0.000	0.000	400.000
input	4	2.000	0.000	0.000	2.000
input	5	36.000	0.000	0.000	36.000

LISTING OF PEERS:

peer	lambda	weight
47	1.000	

Results for firm: 48

Technical efficiency = 0.500

Scale efficiency = 0.885 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2200.000	0.000	0.000	2200.000
input	1	15.000	-7.500	-0.862	6.638
input	2	2600.000	-1300.000	-42.550	1257.450
input	3	400.000	-200.000	-14.613	185.387
input	4	2.000	-1.000	0.000	1.000
input	5	64.000	-32.000	-1.047	30.953

LISTING OF PEERS:

peer	lambda	weight
4	0.274	
49	0.478	
1	0.248	

Results for firm: 49

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	3500.000	0.000	0.000	3500.000
input	1	9.000	0.000	0.000	9.000
input	2	2400.000	0.000	0.000	2400.000
input	3	250.000	0.000	0.000	250.000
input	4	1.000	0.000	0.000	1.000
input	5	48.000	0.000	0.000	48.000

LISTING OF PEERS:

peer	lambda	weight
49	1.000	

Results for firm: 50

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	10000.000	0.000	0.000	10000.000
input	1	30.000	0.000	0.000	30.000
input	2	2400.000	0.000	0.000	2400.000
input	3	130.000	0.000	0.000	130.000
input	4	3.000	0.000	0.000	3.000
input	5	130.000	0.000	0.000	130.000

LISTING OF PEERS:

peer	lambda	weight
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50 1.000

Results for firm: 51

Technical efficiency = 1.000

Scale efficiency = 0.902 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	900.000	0.000	0.000	900.000
input	1	4.500	0.000	-0.094	4.406
input	2	900.000	0.000	-553.129	346.871
input	3	350.000	0.000	-239.607	110.393
input	4	1.000	0.000	0.000	1.000
input	5	11.000	0.000	-0.229	10.771

LISTING OF PEERS:

peer	lambda	weight
1	0.713	
3	0.218	
49	0.069	

Results for firm: 52

Technical efficiency = 0.958

Scale efficiency = 0.986 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2100.000	0.000	0.000	2100.000
input	1	8.000	-0.334	0.000	7.666
input	2	1500.000	-62.578	-360.012	1077.410
input	3	300.000	-12.516	-59.714	227.771
input	4	4.000	-0.167	0.000	3.833
input	5	24.000	-1.001	0.000	22.999

LISTING OF PEERS:

peer	lambda	weight
1	0.575	
49	0.102	
47	0.009	
43	0.314	

Results for firm: 53

Technical efficiency = 0.500

Scale efficiency = 0.660 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	500.000	0.000	0.000	500.000
input	1	4.500	-2.250	-0.250	2.000
input	2	1500.000	-750.000	-525.000	225.000

input	3	250.000	-125.000	-25.000	100.000
input	4	2.000	-1.000	0.000	1.000
input	5	18.000	-9.000	-1.000	8.000

LISTING OF PEERS:

peer	lambda	weight
3	0.750	
1	0.250	

Results for firm: 54

Technical efficiency = 0.964

Scale efficiency = 0.990 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	3000.000	0.000	0.000	3000.000
input	1	13.000	-0.473	-1.186	11.341
input	2	1800.000	-65.443	0.000	1734.557
input	3	600.000	-21.814	-307.476	270.710
input	4	2.000	-0.073	0.000	1.927
input	5	37.000	-1.345	0.000	35.655

LISTING OF PEERS:

peer	lambda	weight
1	0.346	
47	0.534	
50	0.098	
43	0.022	

Results for firm: 55

Technical efficiency = 1.000

Scale efficiency = 0.920 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	5300.000	0.000	0.000	5300.000
input	1	12.000	0.000	0.000	12.000
input	2	4800.000	0.000	0.000	4800.000
input	3	1000.000	0.000	0.000	1000.000
input	4	25.000	0.000	0.000	25.000
input	5	185.000	0.000	0.000	185.000

LISTING OF PEERS:

peer	lambda	weight
55	1.000	

Results for firm: 56

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	7200.000	0.000	0.000	7200.000
input	1	20.000	0.000	0.000	20.000
input	2	5400.000	0.000	0.000	5400.000
input	3	1500.000	0.000	0.000	1500.000
input	4	1.000	0.000	0.000	1.000
input	5	214.000	0.000	0.000	214.000

LISTING OF PEERS:

peer	lambda	weight
56	1.000	

Results for firm: 57

Technical efficiency = 0.532

Scale efficiency = 0.841 (drs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	6000.000	0.000	0.000	6000.000
input	1	30.000	-14.044	0.000	15.956
input	2	7200.000	-3370.530	-201.239	3628.231
input	3	2000.000	-936.258	-342.502	721.240
input	4	15.000	-7.022	0.000	7.978
input	5	264.000	-123.586	0.000	140.414

LISTING OF PEERS:

peer	lambda	weight
50	0.215	
38	0.267	
55	0.273	
56	0.245	

Results for firm: 58

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	2000.000	0.000	0.000	2000.000
input	1	5.000	0.000	0.000	5.000
input	2	270.000	0.000	0.000	270.000
input	3	200.000	0.000	0.000	200.000
input	4	2.000	0.000	0.000	2.000
input	5	60.000	0.000	0.000	60.000

LISTING OF PEERS:

peer lambda weight
58 1.000

Results for firm: 59

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1800.000	0.000	0.000	1800.000
input	1	5.000	0.000	0.000	5.000
input	2	300.000	0.000	0.000	300.000
input	3	350.000	0.000	0.000	350.000
input	4	3.000	0.000	0.000	3.000
input	5	23.000	0.000	0.000	23.000

LISTING OF PEERS:

peer lambda weight
59 1.000

Results for firm: 60

Technical efficiency = 0.706

Scale efficiency = 0.994 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	3400.000	0.000	0.000	3400.000
input	1	15.000	-4.412	0.000	10.588
input	2	3000.000	-882.490	0.000	2117.510
input	3	1000.000	-294.163	-348.003	357.834
input	4	8.000	-2.353	0.000	5.647
input	5	55.000	-16.179	0.000	38.821

LISTING OF PEERS:

peer lambda weight
47 0.165
1 0.109
49 0.227
50 0.002
43 0.498

Results for firm: 61

Technical efficiency = 0.316

Scale efficiency = 0.929 (irs)

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	1	1000.000	0.000	0.000	1000.000
input	1	15.000	-10.256	0.000	4.744
input	2	1800.000	-1230.758	-189.097	380.144

input	3	1000.000	-683.755	-184.657	131.588
input	4	7.000	-4.786	-0.401	1.812
input	5	35.000	-23.931	0.000	11.069

LISTING OF PEERS:

peer	lambda	weight
1	0.688	
43	0.090	
3	0.222	

Results for firm: 62

Technical efficiency = 0.362

Scale efficiency = 0.989 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	2100.000	0.000	0.000	2100.000
input	1	16.000	-10.205	0.000	5.795
input	2	1500.000	-956.681	0.000	543.319
input	3	600.000	-382.672	0.000	217.328
input	4	9.000	-5.740	-1.191	2.069
input	5	93.000	-59.314	0.000	33.686

LISTING OF PEERS:

peer	lambda	weight
38	0.061	
50	0.084	
59	0.372	
3	0.326	
58	0.157	