

LAMPIRAN

Lampiran 1. Kuesioner

KUESIONER EFISIENSI USAHATANI

Hari, tanggal :

Bersamaan dengan kuisisioner ini, Peneliti bermaksud meneliti mengenai efisiensi usahatani komoditas Jagung. Tujuan penelitian yaitu menganalisis faktor-faktor produksi yang berpengaruh nyata dalam usahatani jagung. Untuk itulah, Peneliti memohon kerjasama Bapak/Ibu agar bersedia menjadi responden penelitian ini serta bersedia mengisi kuisisioner ini dengan benar demi keabsahan data-data yang dibutuhkan. Terimakasih.

A. Karakteristik Rumah tangga

Karakteristik rumah tangga	Kode	Isian	Keterangan isian
Identitas Responden	A1		
Nama	A2		
Alamat (RT, RW, dusun)	A3		
No. HP	A4		
Umur	A5		Tahun
Jenis Kelamin	A6		1 = Pria ; 0 = Wanita;
Pendidikan	A7		0 = Tdk sekolah; 1= SD tdk tamat; 2 = SD tamat; 3 = SLTP; 4 = SLTA; 5 = Diploma/PT
Pekerjaan utama	A8		1 = Petani; 2 = Pedagang; 3 = Jasa; 4 = Karyawan/ Pegawai/ Pekerja
Jumlah anggota keluarga	A9		Jumlah anggota keluarga yang tinggal serumah
Jumlah anggota keluarga yang tidak bekerja	A10		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

E. Penggunaan Pupuk

Penggunaan pupuk	Yang dilakukan petani				Yang dianjurkan/direkomendasikan		
	Jumlah		Nilai		Kode	Satuan	Keterangan isian
	Kode	Satuan	Kode	Harga			
1. Pupuk Urea	F1		F9		F17		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
2. Pupuk TSP/SP36	F2		F10		F18		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
3. Pupuk KCl	F3		F11		F19		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
4. Pupuk NPK	F4		F12		F20		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
5. Pupuk ZA	F5		F13		F21		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
6. Pupuk Kandang	F6		F14		F22		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
7. Pupuk Kompos	F7		F15		F23		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran
8. Pupuk	F8		F16		F24		Isikan jika ada anjuran (kg/satuan) atau 0 = jika belum ada anjuran

F. Penggunaan Pestisida dan Herbisida

Jenis Pestisida dan Herbisida	Yang dilakukan petani		Yang dianjurkan/direkomendasikan
	Jumlah	Nilai	

	Kode	Satuan	Kode	Harga	Kode	Satuan	Keterangan isian
1.	G1		G7		G13		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran
2.	G2		G8		G14		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran
3.	G3		G9		G15		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran
4.	G4		G10		G16		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran
5.	G5		G11		G17		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran
6.	G6		G12		G18		Isikan jika ada anjuran (liter/satuan) atau 0 = jika belum ada anjuran

G. Penggunaan Modal

Asal sumber modal pinjaman	Jumlah (Rp)		Asal sumber modal pinjaman	Jumlah (Rp)	
	Kode	Isian		Kode	Isian
Bank	H1		Gapoktan	H4	
Koperasi	H2		KUR	H5	
Kelompok Tani	H3		H6	

H. 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. Penyemprotan pestisida	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			

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
Hari kerja wanita	I26		I29			
Hari kerja ternak	I27		I30			

I. Produksi

Indikator	Kode	Isian	Keterangan
Produksi hasil panen (kw)	J1		Sebutkan jumlah, satuan lainnya disebutkan
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 = Persatuan berat; 3 = ijon; 4 =.....
Lembaga pembeli	J10		1 = Tengkulak; 2 = Pedagang pengumpul; 3 = Pedagang besar; 4 = Koperasi; 5 = Pengecer; 6 = Pengolah; 7 =
Jumlah produk yang dijual (kw)	J11		Besarnya jumlah produk yang dijual
Harga jual (kw)	J12		Harga penjualan, satuan lainnya disebutkan
Nilai penjualan (Rp)	J13		Nilai penjualan total dalam satuan rupiah (termasuk ijon dan tebasan)

Lampiran 2.Data Responden

No.	Nama	Umur	milikian	Pendidikan	lah Kelua	ber Mo	duksi dal	lahan dal	Benih dal	Pupuk Org	(Pupuk U	(Pupuk Z	(Pupuk N	7 (Pestisid	TK dlm H
01	Saikur Roz	30	1	2	4	1	13,8	0,20	7	100	150	100	100	0,5	20
02	M. Gufron	47	0	4	4	1	31,0	0,50	8	150	300	100	100	1	16
03	M.Sobikhu	32	0	4	3	0	32,5	0,50	8	200	300	100	150	1	16
04	Yunian Ru	34	0	4	2	0	63,4	1,00	15	350	600	200	300	2	54
05	Mulyanto	44	0	2	5	0	24,5	0,50	4	250	100	100	50	0,5	20
06	Fauzan	60	1	3	3	0	30,1	0,50	8	200	300	50	50	2	21
07	M. Thoyyi	47	0	3	2	0	30,0	0,50	8	100	250	100	100	1	18
08	Misjab	52	0	4	4	0	15,5	0,25	4	40	150	50	100	1	20
09	Nahrowi	55	1	2	3	1	30,2	0,50	8	50	300	100	200	2	26
10	Tutur	60	1	3	3	1	23,0	0,50	8	60	150	0	50	1	12
11	Katiman	55	0	2	4	1	26,0	0,50	8	100	200	0	50	1	15
12	Rosid	52	1	3	3	1	27,0	0,50	8	75	100	0	50	2,5	15
13	Kadim	71	0	1	2	1	16,0	0,25	4	30	150	50	50	1	19
14	Samad	65	0	2	3	1	15,0	0,25	8	60	150		50	1	19
15	Poniman	55	0	1	4	1	31,1	0,50	8	200	200	50	100	1	16
16	Imam Tau	40	1	1	4	1	14,3	0,30	7	60	150	50	100	1	16
17	Imam Buc	55	0	1	3	1	62,2	1,00	16	300	550	150	200	1,5	42
18	Suwarno	51	1	3	3	0	31,2	0,50	8	100	250	100	100	0,5	18
19	Suwandi	44	0	2	5	0	24,5	0,50	4	90	150	100	50	1,5	20
20	Sujarwo	60	1	3	3	0	30,1	0,50	8	200	250	100	50	3	21
21	Imam Baik	47	0	3	2	0	30,0	0,50	8	100	250	100	100	1	18
22	Syamsudin	52	0	4	4	0	16,0	0,25	4	40	150	50	100	2	20
23	Tumirin	55	1	2	3	1	31,2	0,50	8	100	350	100	150	2	26
24	Ngadimin	60	1	3	3	1	24,0	0,50	8	150	150	0	50	2,5	12
25	M. Ghofur	32	1	2	4	1	13,8	0,20	7	75	150	50	150	0,5	20
26	Zainudin	47	0	4	4	1	31,0	0,50	8	100	300	100	100	2	16
27	Yunus Zei	32	0	4	3	0	32,5	0,50	8	100	300	100	150	1	16
28	Sutiman	48	0	4	2	0	63,4	1,00	15	350	550	250	250	2	54
29	Sumirin	60	1	3	3	0	30,1	0,50	8	200	300	50	50	1	21
30	Parman	47	0	3	2	0	30,0	0,50	8	100	250	100	100	1	18
31	Sugeng	42	0	4	4	0	15,5	0,25	4	40	150	50	100	2,5	20
32	Kusmaji	56	1	2	3	1	30,2	0,50	8	200	300	100	200	2	26
33	Nur Ali	54	1	3	3	1	23,0	0,50	8	150	150	0	50	2	12
34	Saipul	50	0	3	4	1	26,0	0,50	8	175	200	0	50	1	15
35	Subani	44	1	3	3	1	27,0	0,50	8	200	100	0	50	1,5	15

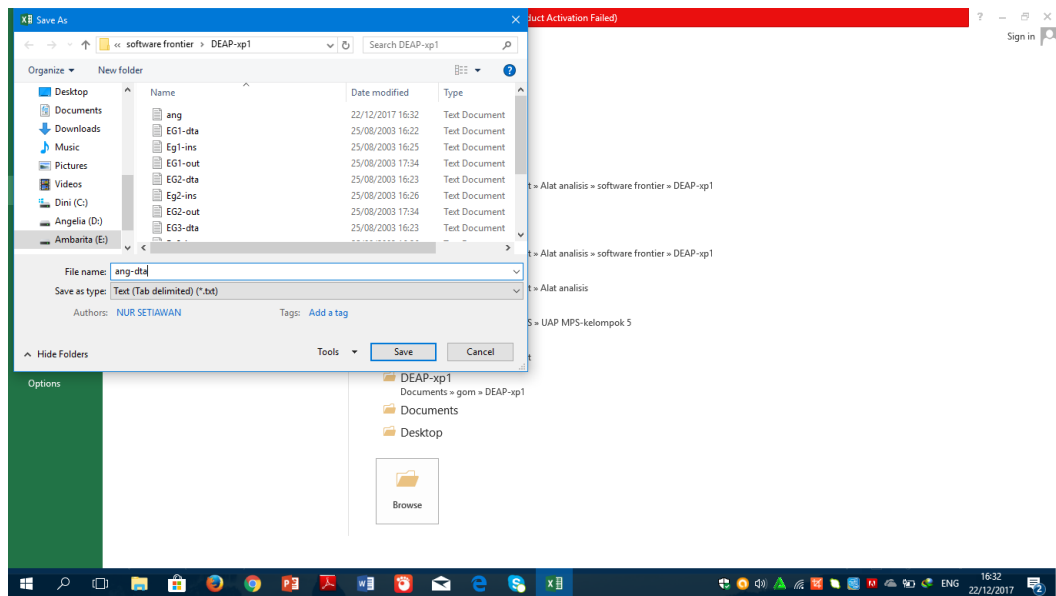
36	Sumardi	60	0	4	2	1	16,0	0,25	4	100	150	50	50	1,5	19
37	Agus Supri	57	0	2	3	1	15,0	0,25	8	90	150		50	2	19
38	Trubus	47	0	1	4	1	31,1	0,50	8	200	200	50	100	2	16
39	Imam Basri	70	1	4	4	1	14,3	0,30	7	70	150	50	100	2	16
40	Kariman	49	0	2	3	1	62,2	1,00	16	300	550	150	200	1,5	42
41	Basiran	48	1	4	3	0	31,2	0,50	8	150	200	100	100	0,5	18
42	Tugimin	58	0	3	5	0	24,5	0,50	4	200	100	100	50	1	20
43	Jayus	49	1	2	3	0	36,4	0,36	9,6	200	300	50	50	0,5	21
44	Wanto	59	0	2	2	0	12	0,14	4	100	250	100	100	1	18
45	Samsul	60	1	2	3	1	13,8	0,20	7	50	150	100	100	0,5	20
46	Haryono	45	0	4	3	0	63,4	1,00	15	300	600	200	300	2	54
47	Subur	40	1	4	2	1	30,0	0,50	8	100	250	100	100	1	18

Lampiran 3. Petunjuk penggunaan Aplikasi DEAP 2.1

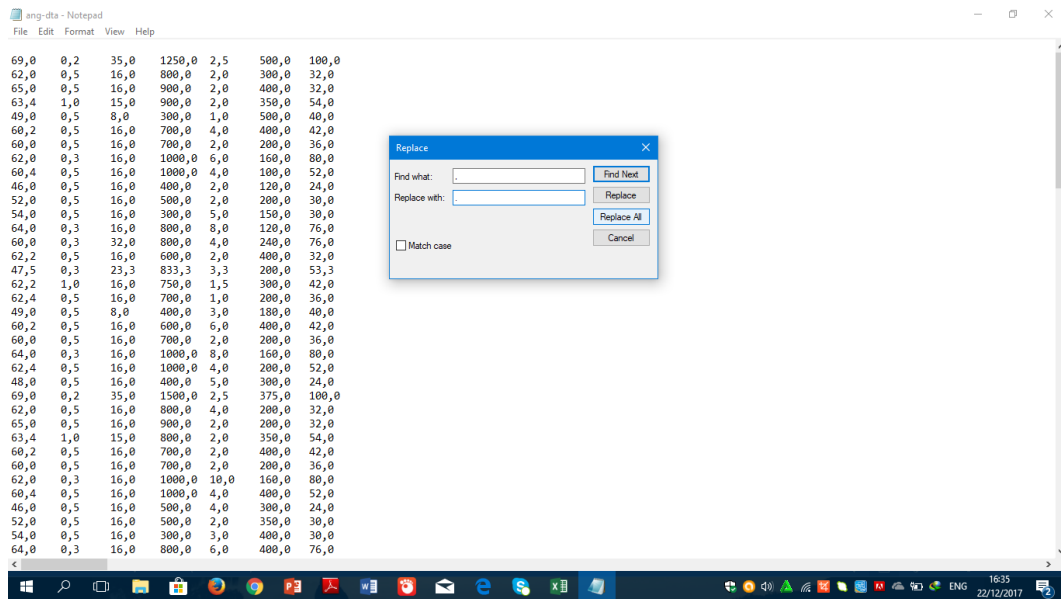
1. Data dalam bentuk excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2	69,0	0,2	35,0	1250,0	2,5	500,0	100,0													
3	62,0	0,5	16,0	800,0	2,0	300,0	32,0													
4	65,0	0,5	16,0	900,0	2,0	400,0	32,0													
5	63,4	1,0	15,0	900,0	2,0	350,0	54,0													
6	49,0	0,5	8,0	300,0	1,0	500,0	40,0													
7	60,2	0,5	16,0	700,0	4,0	400,0	42,0													
8	60,0	0,5	16,0	700,0	2,0	200,0	36,0													
9	62,0	0,3	16,0	1000,0	6,0	160,0	80,0													
10	60,4	0,5	16,0	1000,0	4,0	100,0	52,0													
11	46,0	0,5	16,0	400,0	2,0	120,0	24,0													
12	52,0	0,5	16,0	500,0	2,0	200,0	30,0													
13	54,0	0,5	16,0	300,0	5,0	150,0	30,0													
14	64,0	0,3	16,0	800,0	8,0	120,0	76,0													
15	60,0	0,3	32,0	800,0	4,0	240,0	76,0													
16	62,2	0,5	16,0	600,0	2,0	400,0	32,0													
17	47,5	0,3	23,3	833,3	3,3	200,0	53,3													
18	62,2	1,0	16,0	750,0	1,5	300,0	42,0													
19	62,4	0,5	16,0	700,0	1,0	200,0	36,0													
20	49,0	0,5	8,0	400,0	3,0	180,0	40,0													
21	60,2	0,5	16,0	600,0	6,0	400,0	42,0													
22	60,0	0,5	16,0	700,0	2,0	200,0	36,0													
23	64,0	0,3	16,0	1000,0	8,0	160,0	80,0													

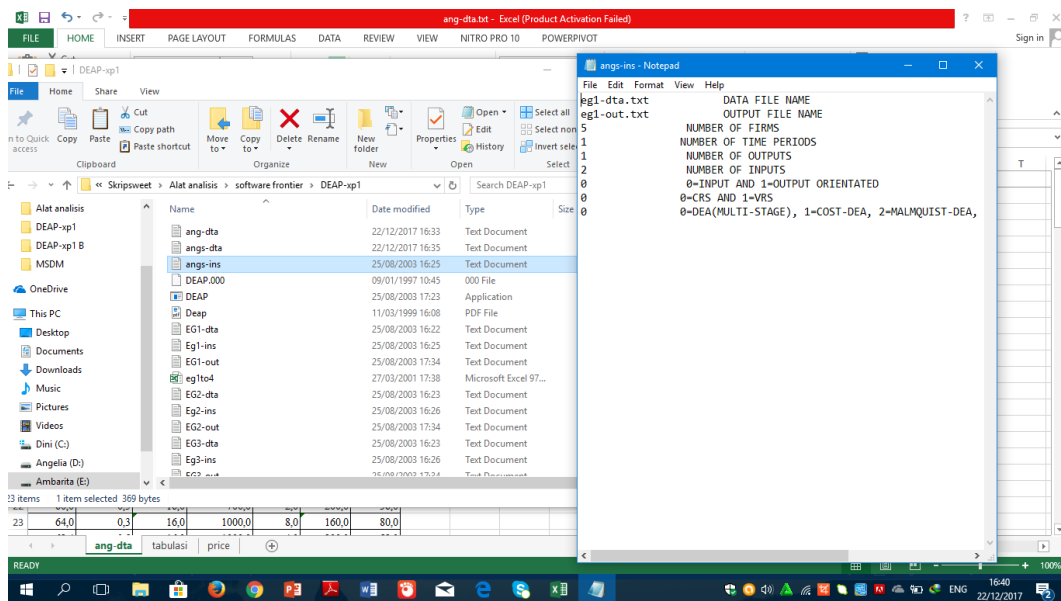
2. Save as dalam bentuk tab-delimited.txt dan ubah nama file



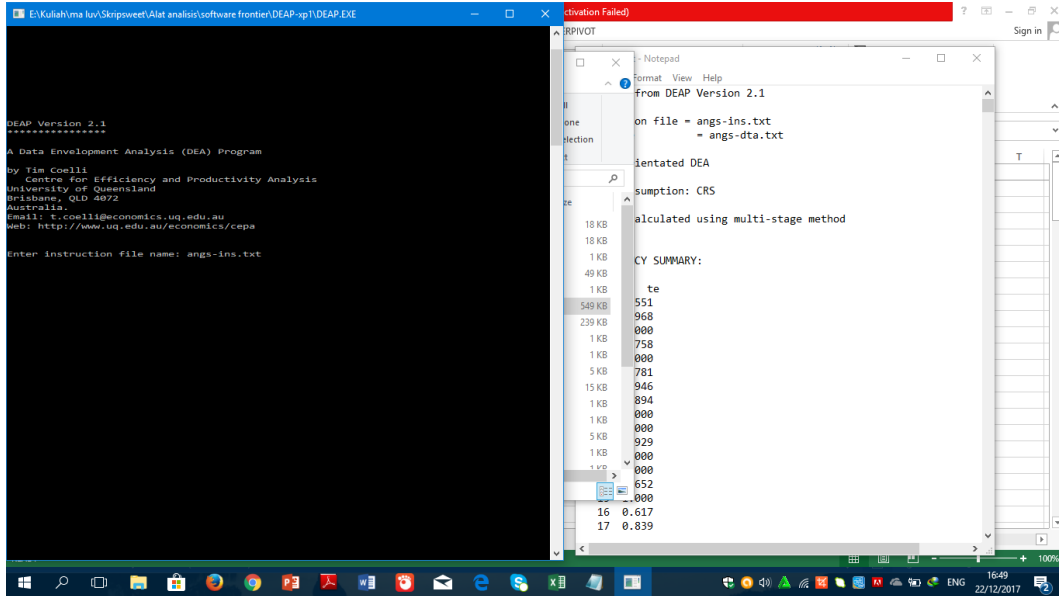
3. Harus menggunakan titik sebagai standar internasional, jika belum diubah terlebih dahulu



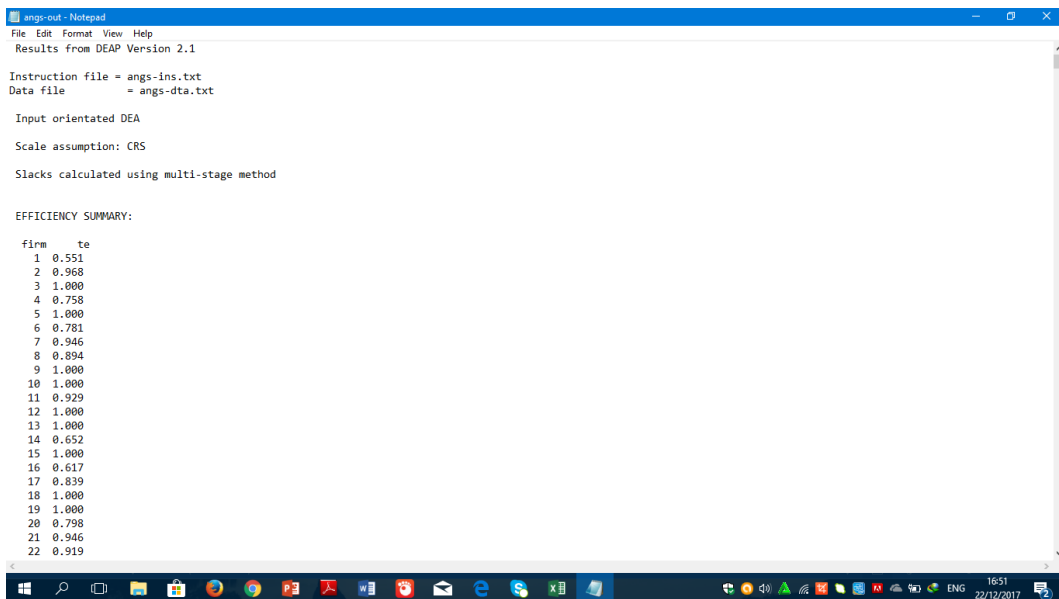
4. Buka file ins, dam edit sesuai dengan kebutuhan:



5. *Input* ke aplikasi DEA-P dengan memasukkan nama file –ins.txt lalu di enter



6. Muncul *output* sebagai berikut: untuk mengetahui tingkat efisiensi teknis dengan CRS



7. Jika ingin mengetahui *output* dengan menggunakan VRS maka gunakan cara yang sama dan pada file-ins diganti menjadi VRS lalu lanjutkan hal yang sama.

```

angs-out - Notepad
File Edit Format View Help
Results from DEAP Version 2.1

Instruction file = angs-ins.txt
Data file      = angs-dta.txt

Input orientated DEA

Scale assumption: VRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY:

firm crste vrste scale
1 0.551 0.558 0.987 dns
2 0.968 0.981 0.987 ins
3 1.000 1.000 1.000 -
4 0.758 0.809 0.937 ins
5 1.000 1.000 1.000 -
6 0.781 0.831 0.940 ins
7 0.946 0.948 0.998 ins
8 0.894 0.901 0.992 dns
9 1.000 1.000 1.000 -
10 1.000 1.000 1.000 -
11 0.929 0.944 0.983 ins
12 1.000 1.000 1.000 -
13 1.000 1.000 1.000 -
14 0.652 0.735 0.887 dns
15 1.000 1.000 1.000 -
16 0.617 0.648 0.952 ins
17 0.839 0.883 0.950 ins
18 1.000 1.000 1.000 -
19 1.000 1.000 1.000 -
20 0.798 0.836 0.955 ins
21 0.946 0.948 0.998 ins

```

8. Untuk mengetahui tingkat efisiensi teknis, alokatif dan biaya dilakukan sebagai berikut, yaitu dengan memasukkan harga masing- masing *input* di lembar kerja excel. Lakukan hal yang sama dari awal:

```

di-out - Notepad
File Edit Format View Help
Results from DEAP Version 2.1

Instruction file = di-ins.txt
Data file      = di-dta.txt

Cost efficiency DEA

Scale assumption: VRS

EFFICIENCY SUMMARY:

firm te ae ce
1 0.558 0.747 0.417
2 0.981 0.814 0.798
3 1.000 0.783 0.783
4 0.809 0.810 0.655
5 1.000 1.000 1.000
6 0.831 0.886 0.736
7 0.948 0.842 0.798
8 0.901 0.565 0.509
9 1.000 0.599 0.599
10 1.000 1.000 1.000
11 0.944 0.918 0.867
12 1.000 1.000 1.000
13 1.000 0.577 0.577
14 0.735 0.657 0.483
15 1.000 0.902 0.902
16 0.648 0.802 0.520
17 0.883 0.860 0.760
18 1.000 0.837 0.837
19 1.000 0.926 0.926
20 0.836 0.918 0.767
21 0.948 0.842 0.798
22 0.926 0.561 0.519
23 0.876 0.702 0.615
24 1.000 0.945 0.945

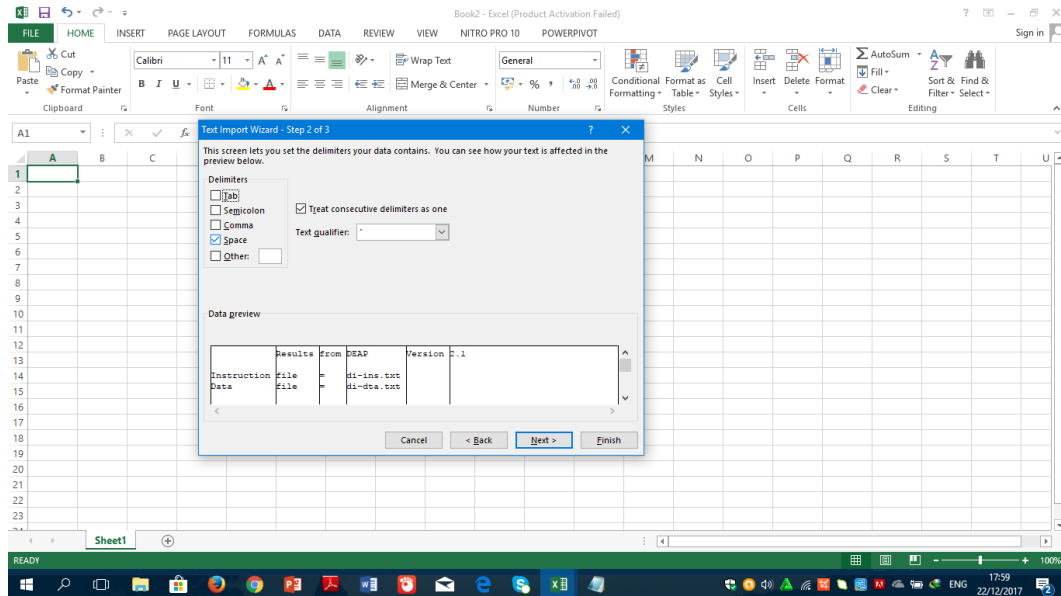
```

- ✚ Save as excel dengan format tab delimited.txt dan ganti file (saran 3 huruf, dan terdiri dari huruf kecil) cth: ang-dta.txt.
- ✚ Buka folder, lalu edit-replace “,” dengan “.” agar sesuai dengan standar internasional, lalu simpan.
- ✚ Buka folder ins.txt, copy dan rename sesuai dengan nama dta.txt.

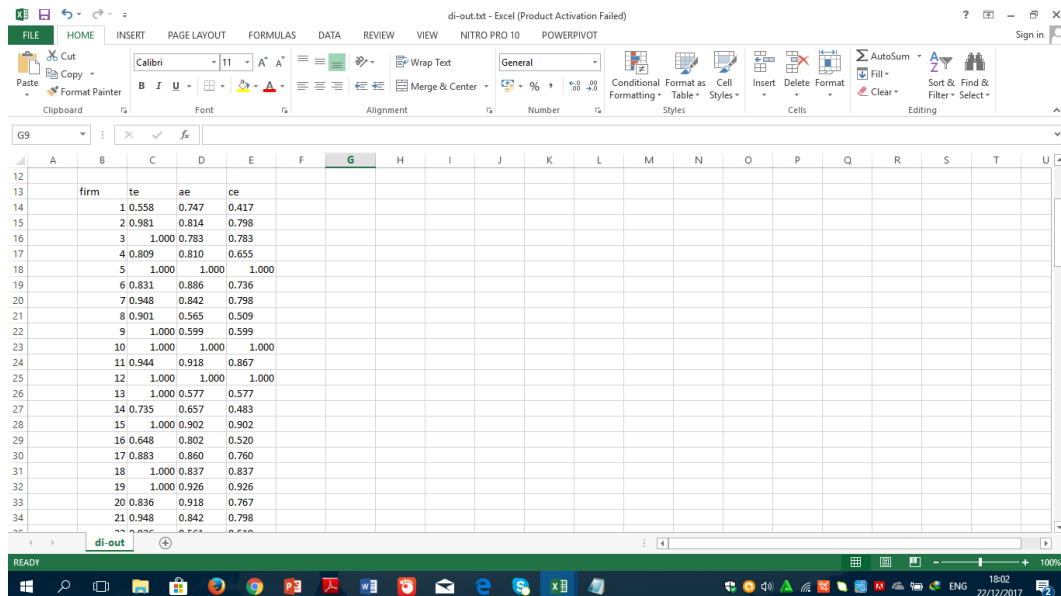
✚ Buka file dan edit sesuai dengan kebutuhan: ganti nama dta.txt dan out.txt, ganti number of firms sesuai dengan jumlah responden, ganti number of *input* sesuai jumlah *input* yang digunakan, ganti dengan VRS dan Cost-DEA.

✚ Buka aplikasi DEA-P lalu *input* nama file-ins.txt. lalu enter.

9. Setelah muncul out, maka buka file tersebut di lembar kerja excel. File-open-pilih file out tersebut- next- pilih space- next- finish.



10. File *output* terbuka di Excel dan di lakukan tabulasi



Lampiran 4. Hasil Analisis Menggunakan Aplikasi DEAP 2.1

Results from DEAP Version 2.1

Instruction file = angs-ins.txt

Data file = angs-dta.txt

Input orientated DEA

Scale assumption: VRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY:

firm	crste	vrste	scale	
1	0.551	0.558	0.987	drs
2	0.968	0.981	0.987	irs
3	1.000	1.000	1.000	-
4	0.758	0.809	0.937	irs
5	1.000	1.000	1.000	-
6	0.781	0.831	0.940	irs
7	0.946	0.948	0.998	irs
8	0.894	0.901	0.992	drs
9	1.000	1.000	1.000	-
10	1.000	1.000	1.000	-
11	0.929	0.944	0.983	irs
12	1.000	1.000	1.000	-
13	1.000	1.000	1.000	-
14	0.652	0.735	0.887	drs
15	1.000	1.000	1.000	-
16	0.617	0.648	0.952	irs
17	0.839	0.883	0.950	irs
18	1.000	1.000	1.000	-
19	1.000	1.000	1.000	-
20	0.798	0.836	0.955	irs
21	0.946	0.948	0.998	irs
22	0.919	0.926	0.992	drs
23	0.874	0.876	0.998	drs
24	1.000	1.000	1.000	-
25	0.565	0.656	0.861	drs
26	0.974	0.981	0.993	irs
27	1.000	1.000	1.000	-
28	0.775	0.809	0.958	irs
29	0.790	0.836	0.945	irs

30	0.946	0.948	0.998	irs
31	0.890	0.894	0.996	drs
32	0.654	0.732	0.894	irs
33	0.953	1.000	0.953	irs
34	0.918	0.944	0.972	irs
35	1.000	1.000	1.000	-
36	0.651	0.673	0.967	drs
37	0.619	0.630	0.982	drs
38	1.000	1.000	1.000	-
39	0.550	0.584	0.941	irs
40	0.839	0.883	0.950	irs
41	1.000	1.000	1.000	-
42	1.000	1.000	1.000	-
43	1.000	1.000	1.000	-
44	0.486	0.532	0.914	drs
45	0.780	0.914	0.853	drs
46	0.820	0.840	0.976	irs
47	0.946	0.948	0.998	irs

mean 0.864 0.886 0.973

Note: crste = technical efficiency from CRS DEA
 vrste = technical efficiency from VRS DEA
 scale = scale efficiency = crste/vrste

Note also that all subsequent tables refer to VRS results

FIRM BY FIRM RESULTS:

Results for firm: 1
 Technical efficiency = 0.558
 Scale efficiency = 0.987 (drs)

PROJECTION SUMMARY:

variable	original	radial	slack	projected
	value	movement	movement	value
output	1 69.000	0.000	0.000	69.000
input	1 35.000	-15.466	-4.947	14.586
input	2 1250.000	-552.364	0.000	697.636
input	3 2.500	-1.105	0.000	1.395
input	4 500.000	-220.946	0.000	279.054

input 5 100.000 -44.189 -16.623 39.188

LISTING OF PEERS:

peer	lambda	weight
10	0.240	
18	0.466	
43	0.283	
12	0.010	

Results for firm: 2

Technical efficiency = 0.981

Scale efficiency = 0.987 (irs)

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output 1	62.000	0.000	0.000	62.000
input 1	16.000	-0.310	0.000	15.690
input 2	800.000	-15.477	0.000	784.523
input 3	2.000	-0.039	0.000	1.961
input 4	300.000	-5.804	-93.584	200.612
input 5	32.000	-0.619	0.000	31.381

LISTING OF PEERS:

peer	lambda	weight
10	0.218	
41	0.001	
27	0.727	
5	0.014	
43	0.039	

Results for firm: 3

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output 1	65.000	0.000	0.000	65.000
input 1	16.000	0.000	0.000	16.000
input 2	900.000	0.000	0.000	900.000
input 3	2.000	0.000	0.000	2.000
input 4	400.000	0.000	-200.000	200.000
input 5	32.000	0.000	0.000	32.000

LISTING OF PEERS:

peer lambda weight
 27 1.000

Results for firm: 4

Technical efficiency = 0.809

Scale efficiency = 0.937 (irs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	63.400	0.000	0.000	63.400
input	1	15.000	-2.869	0.000	12.131
input	2	900.000	-172.134	-110.467	617.399
input	3	2.000	-0.383	0.000	1.617
input	4	350.000	-66.941	0.000	283.059
input	5	54.000	-10.328	-2.614	41.058

LISTING OF PEERS:

peer lambda weight
 18 0.455
 5 0.106
 19 0.276
 43 0.163

Results for firm: 5

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	49.000	0.000	0.000	49.000
input	1	8.000	0.000	0.000	8.000
input	2	300.000	0.000	0.000	300.000
input	3	1.000	0.000	0.000	1.000
input	4	500.000	0.000	0.000	500.000
input	5	40.000	0.000	0.000	40.000

LISTING OF PEERS:

peer lambda weight
 5 1.000

Results for firm: 6

Technical efficiency = 0.831

Scale efficiency = 0.940 (irs)

PROJECTION SUMMARY:

	Variable	original	radial	slack	projected
		value	movement	movement	value
output	1	60.200	0.000	0.000	60.200
input	1	16.000	-2.704	0.000	13.296
input	2	700.000	-118.308	-18.140	563.551
input	3	4.000	-0.676	0.000	3.324
input	4	400.000	-67.605	0.000	332.395
input	5	42.000	-7.098	0.000	34.902

LISTING OF PEERS:

peer	lambda	weight
27	0.133	
5	0.080	
19	0.141	
24	0.458	
43	0.187	

Results for firm: 7

Technical efficiency = 0.948

Scale efficiency = 0.998 (irs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	16.000	-0.829	0.000	15.171
input	2	700.000	-36.275	0.000	663.725
input	3	2.000	-0.104	0.000	1.896
input	4	200.000	-10.364	0.000	189.636
input	5	36.000	-1.866	0.000	34.134

LISTING OF PEERS:

peer	lambda	weight
12	0.094	
10	0.067	
27	0.251	
18	0.482	
43	0.005	
19	0.101	

Results for firm: 8

Technical efficiency = 0.901

Scale efficiency = 0.992 (drs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	62.000	0.000	0.000	62.000
input	1	16.000	-1.582	0.000	14.418
input	2	1000.000	-98.863	-88.187	812.950
input	3	6.000	-0.593	0.000	5.407
input	4	160.000	-15.818	0.000	144.182
input	5	80.000	-7.909	-11.592	60.499

LISTING OF PEERS:

peer	lambda	weight
43	0.050	
19	0.167	
13	0.426	
9	0.358	

Results for firm: 9

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	60.400	0.000	0.000	60.400
input	1	16.000	0.000	0.000	16.000
input	2	1000.000	0.000	0.000	1000.000
input	3	4.000	0.000	0.000	4.000
input	4	100.000	0.000	0.000	100.000
input	5	52.000	0.000	0.000	52.000

LISTING OF PEERS:

peer	lambda	weight
9	1.000	

Results for firm: 10

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

	variable	original	radial	slack	projected
		value	movement	movement	value
output	1	46.000	0.000	0.000	46.000
input	1	16.000	0.000	0.000	16.000
input	2	400.000	0.000	0.000	400.000
input	3	2.000	0.000	0.000	2.000

input	4	120.000	0.000	0.000	120.000
input	5	24.000	0.000	0.000	24.000

LISTING OF PEERS:

peer	lambda	weight
10	1.000	

Results for firm: 11

Technical efficiency = 0.944

Scale efficiency = 0.983 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	52.000	0.000	0.000	52.000
input	1	16.000	-0.890	0.000	15.110
input	2	500.000	-27.823	0.000	472.177
input	3	2.000	-0.111	0.000	1.889
input	4	200.000	-11.129	-4.879	183.992
input	5	30.000	-1.669	0.000	28.331

LISTING OF PEERS:

peer	lambda	weight
10	0.797	
5	0.057	
27	0.057	
43	0.087	
41	0.002	

Results for firm: 12

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	54.000	0.000	0.000	54.000
input	1	16.000	0.000	0.000	16.000
input	2	300.000	0.000	0.000	300.000
input	3	5.000	0.000	0.000	5.000
input	4	150.000	0.000	0.000	150.000
input	5	30.000	0.000	0.000	30.000

LISTING OF PEERS:

peer	lambda	weight
12	1.000	

Results for firm: 13

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	64.000	0.000	0.000	64.000
input	1	16.000	0.000	0.000	16.000
input	2	800.000	0.000	0.000	800.000
input	3	8.000	0.000	0.000	8.000
input	4	120.000	0.000	0.000	120.000
input	5	76.000	0.000	0.000	76.000

LISTING OF PEERS:

peer	lambda	weight
13	1.000	

Results for firm: 14

Technical efficiency = 0.735

Scale efficiency = 0.887 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	32.000	-8.469	-7.531	16.000
input	2	800.000	-211.718	0.000	588.282
input	3	4.000	-1.059	0.000	2.941
input	4	240.000	-63.516	0.000	176.484
input	5	76.000	-20.113	-17.601	38.286

LISTING OF PEERS:

peer	lambda	weight
13	0.103	
9	0.000	
12	0.305	
18	0.592	

Results for firm: 15

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value

output	1	62.200	0.000	0.000	62.200
input	1	16.000	0.000	0.000	16.000
input	2	600.000	0.000	0.000	600.000
input	3	2.000	0.000	0.000	2.000
input	4	400.000	0.000	0.000	400.000
input	5	32.000	0.000	0.000	32.000

LISTING OF PEERS:

peer	lambda	weight
15	1.000	

Results for firm: 16

Technical efficiency = 0.648

Scale efficiency = 0.952 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	47.500	0.000	0.000	47.500
input	1	23.300	-8.210	0.000	15.090
input	2	833.300	-293.624	-107.475	432.201
input	3	3.300	-1.163	0.000	2.137
input	4	200.000	-70.473	0.000	129.527
input	5	53.300	-18.781	-7.280	27.239

LISTING OF PEERS:

peer	lambda	weight
18	0.042	
10	0.812	
9	0.033	
19	0.114	

Results for firm: 17

Technical efficiency = 0.883

Scale efficiency = 0.950 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.200	0.000	0.000	62.200
input	1	16.000	-1.874	0.000	14.126
input	2	750.000	-87.838	0.000	662.162
input	3	1.500	-0.176	0.000	1.324
input	4	300.000	-35.135	0.000	264.865
input	5	42.000	-4.919	0.000	37.081

LISTING OF PEERS:

peer	lambda	weight
10	0.060	
5	0.146	
18	0.525	
27	0.153	
43	0.077	
19	0.041	

Results for firm: 18

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.400	0.000	0.000	62.400
input	1	16.000	0.000	0.000	16.000
input	2	700.000	0.000	0.000	700.000
input	3	1.000	0.000	0.000	1.000
input	4	200.000	0.000	0.000	200.000
input	5	36.000	0.000	0.000	36.000

LISTING OF PEERS:

peer	lambda	weight
18	1.000	

Results for firm: 19

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	49.000	0.000	0.000	49.000
input	1	8.000	0.000	0.000	8.000
input	2	400.000	0.000	0.000	400.000
input	3	3.000	0.000	0.000	3.000
input	4	180.000	0.000	0.000	180.000
input	5	40.000	0.000	0.000	40.000

LISTING OF PEERS:

peer	lambda	weight
19	1.000	

Results for firm: 20

Technical efficiency = 0.836

Scale efficiency = 0.955 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.200	0.000	0.000	60.200
input	1	16.000	-2.627	0.000	13.373
input	2	600.000	-98.529	0.000	501.471
input	3	6.000	-0.985	-1.276	3.739
input	4	400.000	-65.686	0.000	334.314
input	5	42.000	-6.897	0.000	35.103

LISTING OF PEERS:

peer	lambda	weight
42	0.092	
12	0.115	
43	0.218	
19	0.100	
24	0.475	

Results for firm: 21

Technical efficiency = 0.948

Scale efficiency = 0.998 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	16.000	-0.829	0.000	15.171
input	2	700.000	-36.275	0.000	663.725
input	3	2.000	-0.104	0.000	1.896
input	4	200.000	-10.364	0.000	189.636
input	5	36.000	-1.866	0.000	34.134

LISTING OF PEERS:

peer	lambda	weight
12	0.094	
10	0.067	
27	0.251	
18	0.482	
43	0.005	
19	0.101	

Results for firm: 22

Technical efficiency = 0.926

Scale efficiency = 0.992 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	64.000	0.000	0.000	64.000
input	1	16.000	-1.187	0.000	14.813
input	2	1000.000	-74.188	-164.979	760.834
input	3	8.000	-0.594	-0.319	7.088
input	4	160.000	-11.870	0.000	148.130
input	5	80.000	-5.935	-3.200	70.865

LISTING OF PEERS:

peer	lambda	weight
43	0.049	
13	0.833	
19	0.118	

Results for firm: 23

Technical efficiency = 0.876

Scale efficiency = 0.998 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.400	0.000	0.000	62.400
input	1	16.000	-1.992	0.000	14.008
input	2	1000.000	-124.480	-20.381	855.140
input	3	4.000	-0.498	-0.367	3.135
input	4	200.000	-24.896	0.000	175.104
input	5	52.000	-6.473	0.000	45.527

LISTING OF PEERS:

peer	lambda	weight
9	0.493	
27	0.228	
43	0.081	
19	0.198	

Results for firm: 24

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
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		value	movement	movement	value
output	1	48.000	0.000	0.000	48.000
input	1	16.000	0.000	0.000	16.000
input	2	400.000	0.000	0.000	400.000
input	3	5.000	0.000	0.000	5.000
input	4	300.000	0.000	0.000	300.000
input	5	24.000	0.000	0.000	24.000

LISTING OF PEERS:

peer	lambda	weight
24	1.000	

Results for firm: 25

Technical efficiency = 0.656

Scale efficiency = 0.861 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	69.000	0.000	0.000	69.000
input	1	35.000	-12.040	-7.887	15.072
input	2	1500.000	-516.016	-178.884	805.099
input	3	2.500	-0.860	0.000	1.640
input	4	375.000	-129.004	0.000	245.996
input	5	100.000	-34.401	-22.555	43.044

LISTING OF PEERS:

peer	lambda	weight
18	0.626	
43	0.186	
9	0.189	

Results for firm: 26

Technical efficiency = 0.981

Scale efficiency = 0.993 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.000	0.000	0.000	62.000
input	1	16.000	-0.309	0.000	15.691
input	2	800.000	-15.433	0.000	784.567
input	3	4.000	-0.077	-1.926	1.997
input	4	200.000	-3.858	0.000	196.142
input	5	32.000	-0.617	0.000	31.383

LISTING OF PEERS:

peer	lambda weight
19	0.013
12	0.003
27	0.724
43	0.040
10	0.219

Results for firm: 27

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	65.000	0.000	0.000	65.000
input	1	16.000	0.000	0.000	16.000
input	2	900.000	0.000	0.000	900.000
input	3	2.000	0.000	0.000	2.000
input	4	200.000	0.000	0.000	200.000
input	5	32.000	0.000	0.000	32.000

LISTING OF PEERS:

peer	lambda weight
27	1.000

Results for firm: 28

Technical efficiency = 0.809

Scale efficiency = 0.958 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	63.400	0.000	0.000	63.400
input	1	15.000	-2.869	0.000	12.131
input	2	800.000	-153.008	-29.593	617.399
input	3	2.000	-0.383	0.000	1.617
input	4	350.000	-66.941	0.000	283.059
input	5	54.000	-10.328	-2.614	41.058

LISTING OF PEERS:

peer	lambda weight
19	0.276
18	0.455
43	0.163

5 0.106

Results for firm: 29

Technical efficiency = 0.836

Scale efficiency = 0.945 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.200	0.000	0.000	60.200
input	1	16.000	-2.619	0.000	13.381
input	2	700.000	-114.563	0.000	585.437
input	3	2.000	-0.327	0.000	1.673
input	4	400.000	-65.465	-38.748	295.787
input	5	42.000	-6.874	0.000	35.126

LISTING OF PEERS:

peer	lambda	weight
10	0.384	
27	0.220	
5	0.220	
43	0.172	
41	0.004	

Results for firm: 30

Technical efficiency = 0.948

Scale efficiency = 0.998 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	16.000	-0.829	0.000	15.171
input	2	700.000	-36.275	0.000	663.725
input	3	2.000	-0.104	0.000	1.896
input	4	200.000	-10.364	0.000	189.636
input	5	36.000	-1.866	0.000	34.134

LISTING OF PEERS:

peer	lambda	weight
12	0.094	
10	0.067	
27	0.251	
18	0.482	
43	0.005	

19 0.101

Results for firm: 31

Technical efficiency = 0.894

Scale efficiency = 0.996 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.000	0.000	0.000	62.000
input	1	16.000	-1.700	0.000	14.300
input	2	1000.000	-106.233	-167.989	725.778
input	3	10.000	-1.062	-2.091	6.847
input	4	160.000	-16.997	0.000	143.003
input	5	80.000	-8.499	-3.040	68.461

LISTING OF PEERS:

peer	lambda	weight
19	0.196	
13	0.778	
43	0.026	

Results for firm: 32

Technical efficiency = 0.732

Scale efficiency = 0.894 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.400	0.000	0.000	60.400
input	1	16.000	-4.286	0.000	11.714
input	2	1000.000	-267.874	-156.596	575.530
input	3	4.000	-1.071	0.000	2.929
input	4	400.000	-107.149	0.000	292.851
input	5	52.000	-13.929	0.000	38.071

LISTING OF PEERS:

peer	lambda	weight
19	0.376	
27	0.162	
5	0.049	
24	0.236	
43	0.177	

Results for firm: 33

Technical efficiency = 1.000

Scale efficiency = 0.953 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	46.000	0.000	0.000	46.000
input	1	16.000	0.000	0.000	16.000
input	2	500.000	0.000	-100.000	400.000
input	3	4.000	0.000	-2.000	2.000
input	4	300.000	0.000	-180.000	120.000
input	5	24.000	0.000	0.000	24.000

LISTING OF PEERS:

peer	lambda	weight
10	1.000	

Results for firm: 34

Technical efficiency = 0.944

Scale efficiency = 0.972 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	52.000	0.000	0.000	52.000
input	1	16.000	-0.890	0.000	15.110
input	2	500.000	-27.823	0.000	472.177
input	3	2.000	-0.111	0.000	1.889
input	4	350.000	-19.476	-146.532	183.992
input	5	30.000	-1.669	0.000	28.331

LISTING OF PEERS:

peer	lambda	weight
10	0.797	
5	0.057	
41	0.002	
27	0.057	
43	0.087	

Results for firm: 35

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	54.000	0.000	0.000	54.000

input	1	16.000	0.000	0.000	16.000
input	2	300.000	0.000	0.000	300.000
input	3	3.000	0.000	0.000	3.000
input	4	400.000	0.000	0.000	400.000
input	5	30.000	0.000	0.000	30.000

LISTING OF PEERS:

peer	lambda	weight
35	1.000	

Results for firm: 36

Technical efficiency = 0.673

Scale efficiency = 0.967 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	64.000	0.000	0.000	64.000
input	1	16.000	-5.230	0.000	10.770
input	2	800.000	-261.518	0.000	538.482
input	3	6.000	-1.961	-0.877	3.162
input	4	400.000	-130.759	0.000	269.241
input	5	76.000	-24.844	-7.579	43.577

LISTING OF PEERS:

peer	lambda	weight
13	0.030	
43	0.264	
19	0.489	
12	0.217	

Results for firm: 37

Technical efficiency = 0.630

Scale efficiency = 0.982 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	32.000	-11.840	-5.354	14.805
input	2	800.000	-296.012	0.000	503.988
input	3	4.000	-1.480	0.000	2.520
input	4	360.000	-133.205	0.000	226.795
input	5	76.000	-28.121	-14.805	33.074

LISTING OF PEERS:

peer	lambda weight
10	0.545
12	0.221
43	0.226
5	0.008

Results for firm: 38

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.200	0.000	0.000	62.200
input	1	16.000	0.000	0.000	16.000
input	2	600.000	0.000	0.000	600.000
input	3	4.000	0.000	-2.000	2.000
input	4	400.000	0.000	0.000	400.000
input	5	32.000	0.000	0.000	32.000

LISTING OF PEERS:

peer	lambda weight
15	1.000

Results for firm: 39

Technical efficiency = 0.584

Scale efficiency = 0.941 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	47.500	0.000	0.604	48.104
input	1	23.300	-9.692	0.000	13.608
input	2	833.300	-346.607	-36.399	450.294
input	3	6.700	-2.787	-1.447	2.467
input	4	233.300	-97.040	0.000	136.260
input	5	53.300	-22.170	0.000	31.130

LISTING OF PEERS:

peer	lambda weight
10	0.617
9	0.084
19	0.299

Results for firm: 40

Technical efficiency = 0.883

Scale efficiency = 0.950 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.200	0.000	0.000	62.200
input	1	16.000	-1.874	0.000	14.126
input	2	750.000	-87.838	0.000	662.162
input	3	1.500	-0.176	0.000	1.324
input	4	300.000	-35.135	0.000	264.865
input	5	42.000	-4.919	0.000	37.081

LISTING OF PEERS:

peer	lambda	weight
10	0.060	
5	0.146	
18	0.525	
27	0.153	
43	0.077	
19	0.041	

Results for firm: 41

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	62.400	0.000	0.000	62.400
input	1	16.000	0.000	0.000	16.000
input	2	600.000	0.000	0.000	600.000
input	3	1.000	0.000	0.000	1.000
input	4	300.000	0.000	0.000	300.000
input	5	36.000	0.000	0.000	36.000

LISTING OF PEERS:

peer	lambda	weight
41	1.000	

Results for firm: 42

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value

output	1	49.000	0.000	0.000	49.000
input	1	8.000	0.000	0.000	8.000
input	2	300.000	0.000	0.000	300.000
input	3	2.000	0.000	0.000	2.000
input	4	400.000	0.000	0.000	400.000
input	5	40.000	0.000	0.000	40.000

LISTING OF PEERS:

peer	lambda	weight
42	1.000	

Results for firm: 43

Technical efficiency = 1.000

Scale efficiency = 1.000 (crs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	100.000	0.000	0.000	100.000
input	1	11.000	0.000	0.000	11.000
input	2	961.500	0.000	0.000	961.500
input	3	1.400	0.000	0.000	1.400
input	4	549.500	0.000	0.000	549.500
input	5	57.700	0.000	0.000	57.700

LISTING OF PEERS:

peer	lambda	weight
43	1.000	

Results for firm: 44

Technical efficiency = 0.532

Scale efficiency = 0.914 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	85.700	0.000	0.000	85.700
input	1	28.600	-13.381	-2.259	12.960
input	2	2500.000	-1169.702	-421.650	908.649
input	3	7.100	-3.322	0.000	3.778
input	4	714.300	-334.207	0.000	380.093
input	5	128.600	-60.169	-4.812	63.619

LISTING OF PEERS:

peer	lambda	weight
9	0.052	

13 0.340
 43 0.608

Results for firm: 45
 Technical efficiency = 0.914
 Scale efficiency = 0.853 (drs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	69.000	0.000	0.000	69.000
input	1	35.000	-2.997	-16.987	15.015
input	2	1250.000	-107.045	-270.743	872.212
input	3	2.500	-0.214	0.000	2.286
input	4	250.000	-21.409	0.000	228.591
input	5	100.000	-8.564	-44.725	46.712

LISTING OF PEERS:

peer	lambda	weight
9	0.402	
18	0.401	
43	0.197	

Results for firm: 46
 Technical efficiency = 0.840
 Scale efficiency = 0.976 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	63.400	0.000	0.000	63.400
input	1	15.000	-2.404	0.000	12.596
input	2	900.000	-144.268	-120.332	635.400
input	3	2.000	-0.321	0.000	1.679
input	4	300.000	-48.089	0.000	251.911
input	5	54.000	-8.656	-4.843	40.501

LISTING OF PEERS:

peer	lambda	weight
5	0.024	
19	0.311	
43	0.146	
18	0.520	

Results for firm: 47
 Technical efficiency = 0.948

Scale efficiency = 0.998 (irs)

PROJECTION SUMMARY:

variable		original	radial	slack	projected
		value	movement	movement	value
output	1	60.000	0.000	0.000	60.000
input	1	16.000	-0.829	0.000	15.171
input	2	700.000	-36.275	0.000	663.725
input	3	2.000	-0.104	0.000	1.896
input	4	200.000	-10.364	0.000	189.636
input	5	36.000	-1.866	0.000	34.134

LISTING OF PEERS:

peer	lambda	weight
12	0.094	
10	0.067	
27	0.251	
18	0.482	
43	0.005	
19	0.101	

Results from DEAP Version 2.1

Instruction file = di-ins.txt
Data file = di-dta.txt
Cost efficiency DEA
Scale assumption: VRS

EFFICIENCY SUMMARY:

firm	te	ae	ce
1	0.558	0.747	0.417
2	0.981	0.814	0.798
3	1.000	0.783	0.783
4	0.809	0.810	0.655
5	1.000	1.000	1.000
6	0.831	0.886	0.736
7	0.948	0.842	0.798
8	0.901	0.565	0.509
9	1.000	0.599	0.599
10	1.000	1.000	1.000
11	0.944	0.918	0.867
12	1.000	1.000	1.000
13	1.000	0.577	0.577
14	0.735	0.657	0.483
15	1.000	0.902	0.902
16	0.648	0.802	0.520
17	0.883	0.860	0.760
18	1.000	0.837	0.837

19	1.000	0.926	0.926
20	0.836	0.918	0.767
21	0.948	0.842	0.798
22	0.926	0.561	0.519
23	0.876	0.702	0.615
24	1.000	0.945	0.945
25	0.656	0.596	0.391
26	0.981	0.805	0.790
27	1.000	0.794	0.794
28	0.809	0.851	0.688
29	0.836	0.896	0.749
30	0.948	0.842	0.798
31	0.894	0.557	0.498
32	0.732	0.804	0.589
33	1.000	0.882	0.882
34	0.944	0.905	0.855
35	1.000	0.999	0.999
36	0.673	0.855	0.576
37	0.630	0.763	0.481
38	1.000	0.884	0.884
39	0.584	0.868	0.507
40	0.883	0.860	0.760
41	1.000	0.886	0.886
42	1.000	0.998	0.998
43	1.000	1.000	1.000
44	0.532	0.663	0.353
45	0.914	0.460	0.421
46	0.840	0.783	0.657
47	0.948	0.842	0.798

mean 0.886 0.815 0.727

Note: te = technical efficiency
 ae = allocative efficiency = ce/te
 ce = cost efficiency

SUMMARY OF COST MINIMISING INPUT QUANTITIES:

firm input:	1	2	3	4	5
1	14.370	515.707	3.826	280.272	39.033
2	15.130	415.043	4.374	219.478	34.817
3	14.804	458.185	4.139	245.533	36.624
4	14.978	435.176	4.264	231.637	35.660
5	8.000	300.000	1.000	500.000	40.000
6	15.326	389.159	4.515	203.846	33.733
7	15.348	386.283	4.530	202.109	33.613
8	15.13	415.043	4.374	219.478	34.817
9	15.304	392.035	4.499	205.583	33.854
10	8.000	300.000	1.000	500.000	40.000
11	12.80	300.000	3.400	290.000	34.000
12	16.000	300.000	5.000	150.000	30.000
13	14.913	443.804	4.217	236.848	36.022
14	15.34	386.283	4.530	202.109	33.613
15	15.10	417.920	4.358	221.215	34.938
16	8.000	300.000	1.000	500.000	40.000
17	15.109	417.920	4.358	221.215	34.938

18	15.087	420.796	4.343	222.952	35.058
19	8.000	300.000	1.000	500.000	40.000
20	15.326	389.159	4.515	203.846	33.733
21	15.34	386.283	4.530	202.109	33.613
22	14.913	443.804	4.217	236.848	36.022
23	15.087	420.796	4.343	222.952	35.058
24	8.00	300.000	1.000	500.000	40.000
25	14.370	515.707	3.826	280.272	39.033
26	15.1	415.043	4.374	219.478	34.817
27	14.804	458.185	4.139	245.533	36.624
28	14.978	435.176	4.264	231.637	35.660
29	15.326	389.159	4.515	203.846	33.733
30	15.348	386.283	4.530	202.109	33.613
31	15.130	415.043	4.374	219.478	34.817
32	15.304	392.035	4.499	205.583	33.854
33	8.000	300.000	1.000	500.000	40.000
34	12.800	300.000	3.400	290.000	34.000
35	16.000	300.000	5.000	150.000	30.000
36	14.913	443.804	4.217	236.848	36.022
37	15.348	386.283	4.530	202.109	33.613
38	15.109	417.920	4.358	221.215	34.938
39	8.000	300.000	1.000	500.000	40.000
40	15.109	417.920	4.358	221.215	34.938
41	15.087	420.796	4.343	222.952	35.058
42	8.000	300.000	1.000	500.000	40.000
43	11.000	961.500	1.400	549.500	57.700
44	12.554	755.860	2.519	425.308	49.089
45	14.370	515.707	3.826	280.272	39.033
46	14.978	435.176	4.264	231.637	35.660
47	15.348	386.283	4.530	202.109	33.613