



CV. ROSO INDONESIA

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SURAT KETERANGAN PENELITIAN

Saya yang bertanda tangan di bawah ini :

Nama : Yopie Kurniawan

Jabatan : Marketing

Merangkan bahwa :

Nama : Jelvi Mitra

Nomor Mahasiswa : 07 522 236

Jurusan : Teknik Industri

Fakultas : Teknologi Industri

Universitas : Universitas Islam Indonesia

Telah selesai melaksanakan penelitian yang berjudul :

***“PEMILIHAN TEKNIK LOT SIZING UNTUK MEMINIMALKAN BIAYA PADA
PENDISTRIBUSIAN PRODUK COKELAT ROSO”***

Di CV Cokelat Roso Yogyakarta

Waktu : 1 Mei – 3 Juli 2011.

Demikian surat keterangan ini diberikan agar dapat digunakan sebagai mana mestinya.

Atas perhatiannya kami ucapkan terima kasih.

Yogyakarta, 7 Juli 2011

Mengetahui,

(Yopie Kurniawan)

Metode double exponential smoothing (DES)

08-02-2011 Weeks	Actual Data	Forecast by DES	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
5	58	46,1806	11,8194	23,7234	5,93085	48,6581	10,97431	4	1
6	63	46,38352	16,61648	40,33988	8,067976	94,14797	14,05452	5	1
7	62	46,71405	15,28595	55,62583	9,270972	117,4	15,82123	6	1
8	60	47,13464	12,86536	68,4912	9,784456	124,2739	16,62424	7	1
9	65	47,60397	17,39603	85,88722	10,7359	146,5674	17,8916	8	1
10	70	48,15809	21,84191	107,7291	11,9699	183,2899	19,37061	9	1
11	74	48,82534	25,17466	132,9038	13,29038	228,3372	20,83553	10	1
12	70	49,61757	20,38243	153,2862	13,93511	245,3469	21,58846	11	1
13	73	50,46309	22,53691	175,8231	14,65193	267,2273	22,36213	12	1
14	71	51,37333	19,62667	195,4498	15,0346	276,3026	22,76836	13	1
15	75	52,3069	22,6931	218,1429	15,58164	293,3508	23,3033	14	1
16	75	53,29002	21,70998	239,8529	15,99019	305,2156	23,67953	15	1
17		54,30344							
18		54,30344							
19		54,30344							
20		54,30344							
21		54,30344							
22		54,30344							
23		54,30344							
24		54,30344							
25		54,30344							
26		54,30344							
27		54,30344							
28		54,30344							
CFE		239,8529							
MAD		15,99019							
MSE		305,2156							
MAPE		23,67953							
Trk.Signal		15							
R-square		1							
		Alpha=0,1							
		F(0)=46							
		F'(0)=46							

Metode double exponential smoothing with trend ((DEST)

08-02-2011 Weeks	Actual Data	Forecast by DEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
5	58	48,168	9,831997	20,29199	5,072998	34,31193	9,416132	4	1
6	63	50,239	12,761	33,05299	6,610598	60,01816	11,58402	5	1
7	62	52,99412	9,005882	42,05887	7,009812	63,53279	12,07428	6	1
8	60	55,12582	4,874176	46,93305	6,704721	57,85062	11,5099	7	1
9	65	56,52124	8,478756	55,4118	6,926476	59,60545	11,7017	8	1
10	70	58,68633	11,31367	66,72548	7,413942	67,20475	12,19733	9	1
11	74	61,50318	12,49682	79,2223	7,92223	76,10133	12,66635	10	1
12	70	64,6698	5,3302	84,5525	7,686591	71,76584	12,2071	11	1
13	73	66,52807	6,471931	91,02443	7,585369	69,27585	11,92865	12	1
14	71	68,66798	2,332024	93,35645	7,181266	64,36527	11,26372	13	1
15	75	70,04463	4,955368	98,31182	7,022273	61,52173	10,93111	14	1
16	75	71,96927	3,030731	101,3426	6,75617	58,03263	10,47176	15	1
17		73,55853							
18		74,57196							
19		75,58539							
20		76,59882							
21		77,61224							
22		78,62567							
23		79,6391							
24		80,65253							
25		81,66596							
26		82,67938							
27		83,69281							
28		84,70624							
CFE		101,3426							
MAD		6,75617							
MSE		58,03263							
MAPE		10,47176							
Trk.Signal		15							
R-square		1							
		Alpha=0,1							
		F(0)=46							
		F'(0)=46							

2. Indoguna

Metode moving average with linear trend

08-02-2011 Weeks	Actual Data	Forecast by 3-MAT	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
2	29								
3	27								
4	30	28,33333	1,666666	1,666666	1,666666	2,777776	5,555553	1	1
5	30	29,66667	0,333334	2	1	1,444444	3,333333	2	1
6	34	32	2,000004	4,000004	1,333335	2,296301	4,18301	3	1
7	30	35,33332	-5,333324	1,333321	2,333332	8,833313	7,581695	-0,5714234	1
8	32	31,33332	0,666682	-0,6666374	2,000002	7,155543	6,482033	-0,3333183	1
9	33	29,99998	3,000023	2,333385	2,166672	7,462976	6,916857	1,076944	1
10	38	34,66663	3,333366	5,666752	2,333343	7,984169	7,18188	2,428598	0,8726199
11	35	40,33329	-5,33329	0,3334618	2,708336	10,54165	8,188891	0,1291742	1
12	38	37,33328	0,6667175	1,000179	2,48149	9,419743	7,473961	0,403056	1
13	40	36,99994	3,000061	4,00024	2,533347	9,377805	7,47658	1,579034	1
14	35	42,6666	-7,666595	-3,666355	3,000006	13,86681	8,788215	-1,222116	1
15	40	34,66658	5,33342	1,667065	3,194457	15,08334	9,166992	0,5218617	1
16	45	38,33324	6,666763	8,333828	3,461558	17,34199	9,601457	2,407537	0,9131748
17	49,99989								
18	54,99982								
19	59,99976								
20	64,9997								
21	69,99964								
22	74,99958								
23	79,99952								
24	84,99946								
25	89,9994								
26	94,99934								
27	99,99928								
28	104,9992								
CFE			8,333828						
MAD			3,461558						
MSE			17,34199						
MAPE			9,601457						
Trk.Signal			2,407537						
R-square			0,9131748						
			m=3						

Metode single exponential smoothing with trend (SEST)

08-02-2011 Weeks	Actual Data	Forecast by SEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
6	27,28016	6,719841	17,09345	3,41869	15,43328	10,98718	5	1	
7	30	28,12308	1,876923	18,97037	3,161729	13,4482	10,19872	6	1
8	32	28,50047	3,499527	22,4699	3,209986	13,27656	10,30405	7	1
9	33	29,07512	3,924875	26,39478	3,299347	13,54257	10,50274	8	1
10	38	29,73156	8,26844	34,66322	3,851468	19,63418	11,75344	9	1
11	35	30,91504	4,094965	38,75818	3,875818	19,34764	11,74809	10	1
12	38	31,70211	6,297888	45,05607	4,096006	21,19453	12,18675	11	1
13	40	32,78246	7,217537	52,27361	4,356134	23,76939	12,67484	12	1
14	35	34,02635	0,9730492	53,24665	4,095897	22,07381	11,91371	13	1
15	40	34,65672	5,343277	58,58993	4,184995	22,48072	12,01689	14	1
16	45	35,77695	9,223049	67,81298	4,520865	26,65298	12,58214	15	1
17	37,37739								
18	38,05552								
19	38,73365								
20	39,41178								
21	40,08991								
22	40,76804								
23	41,44617								
24	42,12431								
25	42,80244								
26	43,48057								
27	44,1587								
28	44,83683								
CFE			67,81298						
MAD			4,520865						
MSE			26,65298						
MAPE			12,58214						
Trk.Signal			15						
R-square			1						
			Alpha=0,1						
			Beta=0,1						
			F(0)=26						
			I(0)=0						

Metode double exponential smoothing (DES)

08-02-2011 Weeks	Actual Data	Forecast by DES	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
5	30	26,1309	3,869099	11,7751	2,943774	10,10073	9,986603	4	1
6	34	26,22378	7,776218	19,55132	3,910263	20,1745	12,56513	5	1
7	30	26,37678	3,623224	23,17454	3,862423	19,00004	12,48384	6	1
8	32	26,53693	5,463066	28,63761	4,091086	20,54933	13,13931	7	1
9	33	26,72129	6,278708	34,91631	4,364539	22,90844	13,87519	8	1
10	38	26,93341	11,06659	45,9829	5,109211	33,97076	15,56935	9	1
11	35	27,21589	7,784107	53,76701	5,376701	36,63252	16,23644	10	1
12	38	27,52254	10,47746	64,24447	5,840406	43,28239	17,26697	11	1
13	40	27,87571	12,12429	76,36876	6,364063	51,9254	18,35395	12	1
14	35	28,28301	6,71699	83,08575	6,391212	51,40175	18,41897	13	1
15	40	28,6801	11,3199	94,40565	6,74326	56,88306	19,12418	14	1
16	45	29,11494	15,88506	110,2907	7,352714	69,91321	20,20258	15	1
17		29,62601							
18		29,62601							
19		29,62601							
20		29,62601							
21		29,62601							
22		29,62601							
23		29,62601							
24		29,62601							
25		29,62601							
26		29,62601							
27		29,62601							
28		29,62601							
CFE		110,2907							
MAD		7,352714							
MSE		69,91321							
MAPE		20,20258							
Trk.Signal		15							
R-square		1							
		Alpha=0,1							
		F(0)=26							
		F(10)=26							

Metode double exponential smoothing with trend ((DEST)

08-02-2011 Weeks	Actual Data	Forecast by DEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
5	30	27,402	2,598001	9,288006	2,322001	6,683433	7,863249	4	1
6	34	27,9805	6,011501	15,29951	3,059901	12,57438	9,826777	5	1
7	30	29,28368	0,71632	16,01583	2,669305	10,56417	8,586936	6	1
8	32	29,57994	2,420061	18,43589	2,633698	9,89167	8,440616	7	1
9	33	30,22411	2,77589	21,21178	2,651472	9,618407	8,437012	8	1
10	38	30,96365	7,036352	28,24813	3,138681	14,05003	9,556979	9	1
11	35	32,58303	2,416965	30,6651	3,06651	13,22992	9,291842	10	1
12	38	33,34891	4,651093	35,31619	3,210563	13,99381	9,559831	11	1
13	40	34,58578	5,414223	40,73041	3,394201	15,27048	9,891141	12	1
14	35	36,02179	-1,021786	39,70863	3,211708	14,17614	9,354853	12,36371	1
15	40	36,22473	3,775269	43,48389	3,251962	14,1816	9,360804	13,37159	1
16	45	37,37687	7,623131	51,10703	3,543373	17,1103	9,866103	14,42327	1
17		39,33633							
18		39,8474							
19		40,35847							
20		40,86954							
21		41,38062							
22		41,89169							
23		42,40276							
24		42,91383							
25		43,4249							
26		43,93597							
27		44,44704							
28		44,95811							
CFE		51,10703							
MAD		3,543373							
MSE		17,1103							
MAPE		9,866103							
Trk.Signal		14,42327							
R-square		1							
		Alpha=0,1							
		F(0)=26							
		F(10)=26							

3. Pamela I

Metode moving average with linear trend

08-02-2011 Weeks	Actual Data	Forecast by 3-MAT	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	28								
2	26								
3	27								
4	30	26	4	4	4	16	13,33333	1	1
5	31,66667	1,333334	5,333334	2,666667	8,888889	8,68687		2	1
6	30	36	-6	-0,666666	3,777778	17,92593	12,45791	-0,1764704	1
7	32	31	0,999998	0,333332	3,083333	13,69444	10,12468	0,1081077	1
8	30,66667	-0,666667	-0,333335	2,6	11,04444	8,544191		0,1282061	1
9	34	30,66667	3,333333	2,999994	2,722222	11,05555	8,754146	1,102039	1
10	35	34,00001	0,9999924	3,999987	2,476189	9,619042	7,911713	1,61538	1
11	37	38,00001	-1,000000	2,999979	2,291666	8,541664	7,26059	1,309002	1
12	35	38,33334	-3,333336	-0,3333569	2,407407	8,82716	7,51206	-0,1384713	1
13	40	35,66667	4,333328	3,999971	2,599999	9,822218	7,044186	1,538451	1
14	39	40,33335	-1,333351	2,66662	2,48485	9,090909	7,441882	1,073152	1
15	42,00002								
16	44,00003								
17	46,00005								
18	48,00006								
19	50,00007								
20	52,00008								
21	54,00009								
22	56,0001								
23	58,00011								
24	60,00013								
25	62,00014								
26	64,00014								
CFE	2,66662								
MAD	2,48485								
MSE	9,090909								
MAPE	7,441882								
Trk.Signal	1,073152								
R-square	1								
									m=3

Metode single exponential smoothing with trend (SEST)

08-02-2011 Weeks	Actual Data	Forecast by SEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
3	27	27,78	-0,779988	-2,779999	1,389999	2,304199	5,290596	-2	1
4	30	27,6742	2,3258	-0,4541988	1,701933	3,339248	6,111286	-0,2668723	1,430915E-02
5	33	27,90224	5,097761	4,643562	2,55089	9,001226	8,445405	1,820369	0,1817076
6	30	28,45845	1,54155	6,185112	2,349022	7,676258	7,784024	2,633059	0,2603428
7	32	28,67446	3,325544	9,510656	2,511776	8,240089	8,218741	3,786427	0,4249468
8	30	29,10212	0,8978844	10,40854	2,28122	7,178105	7,472199	4,562708	0,4584414
9	34	29,29599	4,70401	15,11255	2,584069	9,046805	8,26759	5,848355	0,5837364
10	35	29,91751	5,082485	20,19504	2,86167	10,91179	8,962456	7,057079	0,6818047
11	37	30,62771	6,372286	26,56732	3,212732	13,88121	9,78845	8,269386	0,7321305
12	35	31,53061	3,469385	30,03671	3,236064	13,71352	9,799729	9,281864	0,8142846
13	40	32,17792	7,822079	37,85879	3,618232	17,66947	10,61269	10,46334	0,7903133
14	39	33,33871	5,661285	43,52007	3,77539	18,77568	10,91295	11,52731	0,8350669
15	34,34005								
16	34,77525								
17	35,21045								
18	35,64565								
19	36,08084								
20	36,51604								
21	36,95124								
22	37,38644								
23	37,82164								
24	38,25684								
25	38,69204								
26	39,12724								
CFE	43,52007								
MAD	3,77539								
MSE	18,77568								
MAPE	10,91295								
Trk.Signal	11,52731								
R-square	0,8350669								
		Alpha=0,1							
		Beta=0,1							
		F(0)=28							
		T(0)=0							

Metode double exponential smoothing (DES)

08-02-2011 Weeks	Actual Date	Forecast by DES	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
2	26	28	-2	-2	2	4	7,692307	-1	1
3	27	27,90	-0,9799995	-2,98	1,49	2,4802	5,660968	-2	1
4	30	27,954	2,046001	-0,9339981	1,675334	3,04884	6,047314	-0,5574998	3,367493E-02
5	33	27,9534	5,046602	4,112604	2,518151	8,653679	8,358668	1,633184	0,1409965
6	30	28,00338	1,996622	6,109226	2,413845	7,720243	8,018016	2,530911	0,2424303
7	32	28,06383	3,936172	10,0454	2,667566	9,015779	8,73177	3,765754	0,4507167
8	30	28,15215	1,847845	11,89324	2,550463	8,2156	8,364301	4,66317	0,5406914
9	34	28,24218	5,757822	17,65107	2,951383	11,33271	9,435609	5,980608	0,7293527
10	35	28,37267	6,627325	24,27839	3,359821	14,95368	10,49112	7,226096	0,8927268
11	37	28,54465	8,455349	32,73374	3,869374	20,60761	11,72724	8,4597	0,9918405
12	35	28,76851	6,231495	38,96524	4,084112	22,26433	12,27969	9,540688	1
13	40	29,01214	10,98786	49,95309	4,659424	30,47005	13,54552	10,72087	1
14	39	29,31937	9,680634	59,63373	5,045671	35,33502	14,41296	11,81879	1
15		29,66502							
16		29,66502							
17		29,66502							
18		29,66502							
19		29,66502							
20		29,66502							
21		29,66502							
22		29,66502							
23		29,66502							
24		29,66502							
25		29,66502							
26		29,66502							
CFE			59,63373						
MAD			5,045671						
MSE			35,33502						
MAPE			14,41296						
Trk.Signal			11,81879						
R-square			1						
			Alpha=0,1						
			F(0)=28						
			F(0)=28						

Metode double exponential smoothing with trend ((DEST))

08-02-2011 Weeks	Actual Date	Forecast by DEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
2	26	28	2	2	2	4	7,692307	-1	1
3	27	27,6	0,5999995	-2,599998	1,299999	2,179999	4,957262	2	1
4	30	27,46	2,539999	-5,999947E-02	1,713333	3,603864	6,127062	-3,501916E-02	1,826152E-02
5	33	27,942	5,057997	4,997997	2,549499	9,098731	8,427113	1,960384	0,2150319
6	30	28,953	1,046999	6,044996	2,248999	7,498226	7,43969	2,687861	0,2815317
7	32	29,21238	2,787619	8,832615	2,338769	7,540658	7,651626	3,776609	0,4180025
8	30	29,83035	0,1696453	9,00226	2,028994	6,470104	6,63932	4,437028	0,4402168
9	34	29,95261	4,047388	13,04965	2,281206	7,70901	7,297415	5,720505	0,5274645
10	35	30,85211	4,147886	17,19753	2,488615	8,764115	7,80338	6,910485	0,6012862
11	37	31,81219	5,187811	22,38535	2,758534	10,57904	8,425154	8,114943	0,6391476
12	35	33,02173	1,978271	24,36362	2,687601	9,973089	8,173067	9,06519	0,7212616
13	40	33,64124	6,358765	30,72238	2,993531	12,51149	8,016721	10,26292	0,694318
14	39	35,15663	3,843372	34,56575	3,058904	12,60534	8,896573	11,30005	0,7454798
15		36,23253							
16		36,57819							
17		36,92384							
18		37,2695							
19		37,61516							
20		37,96082							
21		38,30647							
22		38,65213							
23		38,99779							
24		39,34344							
25		39,6891							
26		40,03476							
CFE			34,56575						
MAD			3,058904						
MSE			12,60534						
MAPE			8,896573						
Trk.Signal			11,30005						
R-square			0,7454798						
			Alpha=0,1						
			F(0)=28						
			F(0)=28						

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Metode moving average with linear trend

08-02-2011 Weeks	Actual Data	Forecast by 3-MAT	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	40								
2	38								
3	45								
4	47	46	1	1	1	1	2,12766	1	1
5	52	52,33333	-0,3333321	0,6666679	0,666666	0,5555551	1,304341	1,000003	1
6	43	55	-12	-11,33334	4,444445	48,3704	10,22522	-2,55	1
7	50	43,33334	6,666664	-4,666672	5	47,3889	11,00225	-0,9333344	1
8	55	46,33334	8,666666	3,999989	5,733332	52,93333	11,96331	0,6976725	1
9	45	61,33334	-16,33334	-12,33335	7,5	88,57413	16,01048	-1,644447	1
10	50	45,00002	4,999985	7,33337	7,142856	79,49209	15,15184	-1,026672	1
11	57	45,00002	11,99998	4,666615	7,749997	87,55553	15,88943	0,6021441	1
12	65	62,66668	2,333317	6,999931	7,148143	70,43208	14,5228	0,9792657	1
13	65	72,33334	-7,333344	-0,3334122	7,166663	75,96666	14,19872	-4,652265E-02	1
14	65	70,33334	-5,333344	-5,666756	6,999998	71,64648	13,65385	-0,8095368	1
15	65								
16	65								
17	65								
18	65								
19	65								
20	65								
21	65								
22	65								
23	65								
24	65								
25	65								
26	65								
CFE		-5,666756							
MAD		6,999998							
MSE		71,64648							
MAPE		13,65385							
Trk Signal		-0,8095368							
R-square		1							
		m=3							

Metode single exponential smoothing with trend (SEST)

08-02-2011 Weeks	Actual Data	Forecast by SEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
3	45	39,78	5,220001	3,220001	3,610001	15,62421	8,431581	0,8919669	0,2125875
4	47	40,3342	6,665802	9,885803	4,628601	25,22711	10,34857	2,135808	0,7328075
5	52	41,09964	10,90036	20,78617	6,196542	48,62482	13,00199	3,354479	1
6	43	42,39753	0,6024666	21,38863	5,077727	38,97245	10,68181	4,212246	0,9056962
7	50	42,67167	7,328335	28,71697	5,452828	41,42779	11,34429	5,266436	1
8	55	43,69167	11,30833	40,0253	6,289329	53,77787	12,6609	6,364002	1
9	45	45,22276	-0,2227554	39,80254	5,531007	47,06184	11,14017	7,196257	1
10	50	45,5985	4,401497	44,20404	5,405506	43,98532	10,88048	8,177596	1
11	57	46,48069	10,51931	54,72335	5,916886	50,65237	11,63793	9,248673	1
12	65	48,07985	16,92015	71,64349	6,917182	72,0741	12,94638	10,35732	0,9866092
13	65	50,4883	14,5117	86,1552	7,550059	83,61704	13,728	11,4112	0,9729247
14	65	52,80102	12,19898	98,35418	7,907669	88,63229	14,11566	12,43782	0,9981976
15	65	55,00445							
16	65	55,988							
17	65	56,97153							
18	65	57,95507							
19	65	58,93861							
20	65	59,92215							
21	65	60,90569							
22	65	61,88923							
23	65	62,87277							
24	65	63,85631							
25	65	64,83985							
26	65	65,82339							
CFE		98,35418							
MAD		7,907669							
MSE		88,63229							
MAPE		14,11566							
Trk Signal		12,43782							
R-square		0,9981976							
		Alpha=0,1							
		Beta=0,1							
		f(t)=40							
		T(t)=0							

Metode double exponential smoothing (DES)

08-02-2011 Weeks	Actual Data	Forecast by DES	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
2	38	40	-2	-2	2	4	5,263158	-1	1
3	45	39,98	5,02	3,02	3,51	14,6002	8,209357	0,8603989	0,1861388
4	47	40,014	6,986	10,006	4,668667	26,00153	10,42752	2,143224	0,7471771
5	52	40,1114	11,8886	21,8946	6,47365	54,83585	13,53631	3,382111	1
6	43	40,30918	2,690819	24,58542	5,717084	45,31678	12,08059	4,300343	1
7	50	40,49629	9,503708	34,08913	6,348188	52,81739	13,23506	5,369899	1
8	55	40,74289	14,25711	48,34624	7,478034	74,30994	15,04748	6,4651	1
9	45	41,0852	3,914799	52,26104	7,032629	66,9369	14,25399	7,431223	1
10	50	41,40162	8,598377	60,85941	7,206602	67,71414	14,58097	8,444953	1
11	57	41,74391	15,25609	76,11551	8,011551	84,21756	15,79938	9,500721	1
12	65	42,17372	22,82628	98,94179	9,358344	123,9286	17,55566	10,57257	1
13	65	42,75013	22,24987	121,1917	10,43264	154,8559	18,94514	11,61659	1
14	65	43,43953	21,56047	142,7521	11,20862	178,7019	20,03936	12,64566	1
15		44,21354							
16		44,21354							
17		44,21354							
18		44,21354							
19		44,21354							
20		44,21354							
21		44,21354							
22		44,21354							
23		44,21354							
24		44,21354							
25		44,21354							
26		44,21354							
CFE			142,7521						
MAD			11,28862						
MSE			178,7019						
MAPE			20,03936						
Trk.Signal			12,64566						
R-square			1						
			Alpha=0,1						
			F(0)=40						
			F'(0)=40						

Metode double exponential smoothing with trend (DEST)

08-02-2011 Weeks	Actual Data	Forecast by DEST	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
2	38	40	-2	-2	2	4	5,263158	-1	1
3	45	39,6	5,400002	3,400002	3,700001	16,58001	8,63158	0,9189191	0,2391839
4	47	40,66	6,34	9,740002	4,58	24,45187	10,25084	2,126638	0,7207967
5	52	41,962	10,038	19,778	5,944501	43,52927	12,51409	3,327109	1
6	43	44,067	-1,066998	18,71101	4,969	35,05112	10,50755	3,765547	0,7839202
7	50	44,05138	5,948624	24,65963	5,132271	35,10695	10,73917	4,804819	0,953441
8	55	45,42821	9,571793	34,23142	5,766488	43,18013	11,69118	5,936269	0,9994211
9	45	47,58916	-2,589157	31,64227	5,369322	38,62058	10,94899	5,893158	0,8942257
10	50	47,41364	2,586361	34,22863	5,060104	35,07266	10,30719	6,764412	0,9661337
11	57	48,24733	8,752666	42,98129	5,42936	39,22631	10,81202	7,916456	0,9406378
12	65	50,34015	14,65985	57,64114	6,268495	55,19765	11,87944	9,195372	0,7848021
13	65	53,70193	11,29007	68,93921	6,687626	61,23504	12,33796	10,30847	0,7900583
14	65	56,53796	8,46204	77,40125	6,824119	62,03282	12,39031	11,34231	0,8315398
15		58,91975							
16		59,69376							
17		60,46777							
18		61,24178							
19		62,01579							
20		62,7898							
21		63,56381							
22		64,33782							
23		65,11183							
24		65,88584							
25		66,65985							
26		67,43386							
CFE			77,40125						
MAD			6,824119						
MSE			62,03282						
MAPE			12,39031						
Trk.Signal			11,34231						
R-square			0,8315398						
			Alpha=0,1						
			F(0)=40						
			F'(0)=40						