



LAMPIRAN 1

Perhitungan Biaya Penyimpanan

A. Magelang

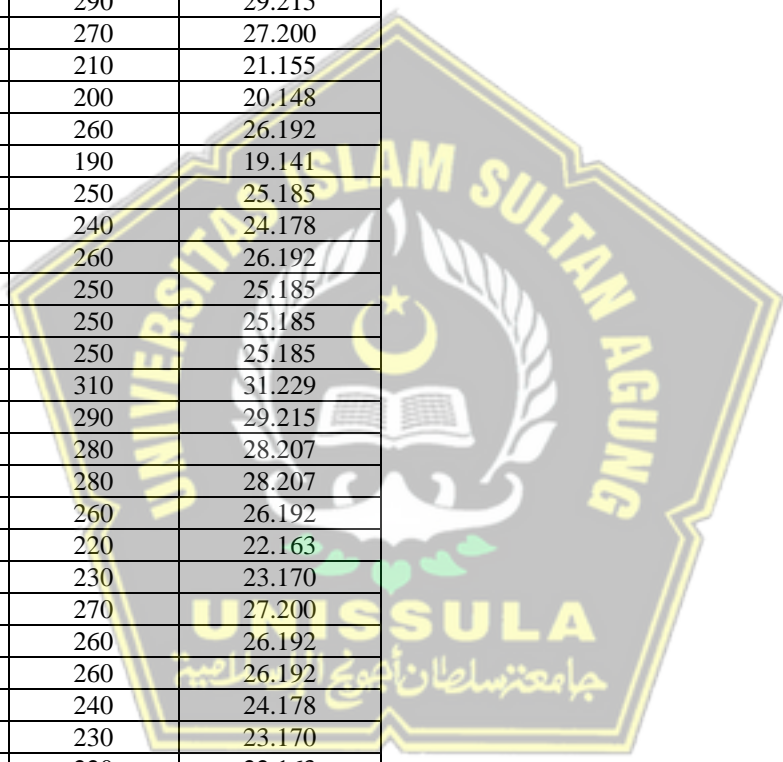
Periode	Permintaan	Biaya
1	240	24.178
2	200	20.148
3	220	22.163
4	190	19.141
5	250	25.185
6	270	27.200
7	300	30.222
8	190	19.141
9	380	38.281
10	270	27.200
11	200	20.148
12	200	20.148
13	200	20.148
14	190	19.141
15	220	22.163
16	220	22.163
17	270	27.200
18	260	26.192
19	260	26.192
20	200	20.148
21	270	27.200
22	300	30.222
23	350	35.259
24	350	35.259
25	270	27.200
26	280	28.207
27	200	20.148
28	330	33.244
29	290	29.215
30	290	29.215
31	180	18.133
32	250	25.185
33	250	25.185
34	200	20.148
35	270	27.200
36	300	30.222
37	200	20.148
38	280	28.207
39	210	21.155
40	280	28.207
41	250	25.185
42	230	23.170
43	220	22.163
44	230	23.170
45	220	22.163
46	230	23.170
47	210	21.155
48	300	30.222
Total Biaya		Rp. 1.205.858

B. Wonosobo

Periode	Permintaan	Biaya
1	260	26.192
2	230	23.170
3	240	24.178
4	230	23.170
5	300	30.222
6	290	29.215
7	300	30.222
8	300	30.222
9	330	33.244
10	260	26.192
11	250	25.185
12	240	24.178
13	280	28.207
14	270	27.200
15	300	30.222
16	290	29.215
17	280	28.207
18	250	25.185
19	260	26.192
20	250	25.185
21	180	18.133
22	170	17.126
23	260	26.192
24	270	27.200
25	210	21.155
26	290	29.215
27	210	21.155
28	280	28.207
29	210	21.155
30	250	25.185
31	220	22.163
32	260	26.192
33	300	30.222
34	300	30.222
35	200	20.148
36	200	20.148
37	200	20.148
38	200	20.148
39	250	25.185
40	290	29.215
41	250	25.185
42	300	30.222
43	270	27.200
44	280	28.207
45	270	27.200
46	250	25.185
47	260	26.192
48	210	21.155
Total Biaya		Rp. 1.234.065

C. Muntilan

Periode	Permintaan	Biaya
1	270	27.200
2	240	24.178
3	250	25.185
4	240	24.178
5	280	28.207
6	270	27.200
7	300	30.222
8	300	30.222
9	300	30.222
10	250	25.185
11	260	26.192
12	270	27.200
13	290	29.215
14	270	27.200
15	210	21.155
16	200	20.148
17	260	26.192
18	190	19.141
19	250	25.185
20	240	24.178
21	260	26.192
22	250	25.185
23	250	25.185
24	250	25.185
25	310	31.229
26	290	29.215
27	280	28.207
28	280	28.207
29	260	26.192
30	220	22.163
31	230	23.170
32	270	27.200
33	260	26.192
34	260	26.192
35	240	24.178
36	230	23.170
37	220	22.163
38	200	20.148
39	210	21.155
40	250	25.185
41	280	28.207
42	270	27.200
43	280	28.207
44	260	26.192
45	340	34.252
46	270	27.200
47	200	20.148
48	280	28.207
Total Biaya		Rp. 1.243.132





LAMPIRAN 2

Peramalan Permintaan Menggunakan Minitab

A. Magelang

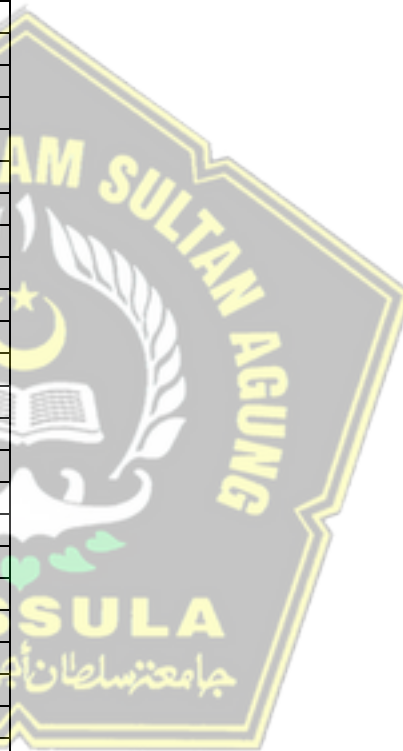
Bulan	Minggu	Metode Peramalan		
		MA	SES	DES
Januari	1	-	241	236
	2	220	240	211
	3	210	239	219
	4	205	237	200
Februari	5	220	237	235
	6	260	239	260
	7	285	241	289
Maret	8	245	239	223
	9	285	245	331
	10	325	246	291
	11	235	244	230
April	12	200	242	210
	13	200	241	204
	14	195	238	195
Mei	15	205	238	213
	16	220	237	218
	17	245	238	254
Juni	18	265	239	259
	19	260	240	261
	20	230	238	220
Juli	21	235	240	255
	22	285	242	287
	23	325	247	331
	24	350	251	345
Agustus	25	310	252	295
	26	275	253	286
	27	240	251	228
	28	265	254	298
September	29	310	256	294
	30	290	257	292
	31	235	254	216
	32	215	254	240
Oktober	33	250	254	247
	34	225	251	216
	35	235	252	253
November	36	285	254	286
	37	250	252	228
	38	240	253	264
	39	245	251	228
Desember	40	245	252	264
	41	265	252	255
	42	240	251	238
	43	225	250	226
Desember	44	225	249	229
	45	225	248	223
	46	225	247	228
	47	220	246	216
	48	255	248	274

B. Wonosobo

Bulan	Minggu	Metode Peramalan		
		MA	SES	DES
Januari	1	-	263	253
	2	245	260	232
	3	235	258	238
	4	235	255	231
Februari	5	265	260	281
	6	295	262	287
	7	295	266	296
Maret	8	300	269	299
	9	315	275	321
	10	295	274	276
	11	255	271	256
April	12	245	268	244
	13	260	269	270
	14	275	270	269
Mei	15	285	272	291
	16	295	274	290
	17	285	275	282
Juni	18	265	272	258
	19	255	271	259
	20	255	269	252
Juli	21	215	261	198
	22	175	252	176
	23	215	253	237
	24	265	254	261
Agustus	25	240	250	223
	26	250	254	272
	27	250	250	226
	28	245	253	265
September	29	245	249	224
	30	230	249	243
	31	235	246	225
	32	240	247	250
Oktober	33	280	252	287
	34	300	257	297
	35	250	251	225
November	36	200	247	206
	37	200	242	201
	38	200	238	199
	39	225	239	236
Desember	40	270	244	275
	41	270	245	257
	42	275	250	288
	43	285	252	275
Desember	44	275	254	279
	45	275	256	272
	46	260	255	256
	47	255	256	259
	48	235	251	223

C. Muntilan

Bulan	Minggu	Metode Peramalan		
		MA	SES	DES
Januari	1	-	263	263
	2	255	254	242
	3	245	252	248
	4	245	247	241
Februari	5	260	261	269
	6	275	264	269
	7	285	279	292
Maret	8	300	287	298
	9	300	292	299
	10	275	275	262
April	11	255	269	260
	12	265	269	267
	13	280	278	284
	14	280	275	273
Mei	15	240	249	225
	16	205	229	205
	17	230	241	245
Juni	18	225	221	203
	19	220	233	237
	20	245	236	239
	21	250	245	254
Juli	22	255	247	251
	23	250	248	250
	24	250	249	250
	25	280	274	295
	26	300	280	292
Agustus	27	285	280	283
	28	280	280	281
	29	270	272	265
	30	240	251	231
	31	225	243	230
September	32	250	254	260
	33	265	256	260
	34	260	258	260
	35	250	251	245
Oktober	36	235	242	233
	37	225	233	223
	38	210	220	205
	39	205	216	208
	40	230	230	239
November	41	265	250	270
	42	275	258	270
	43	275	267	278
	44	270	264	265
Desember	45	300	295	322
	46	305	285	283
	47	235	251	220
	48	240	262	265



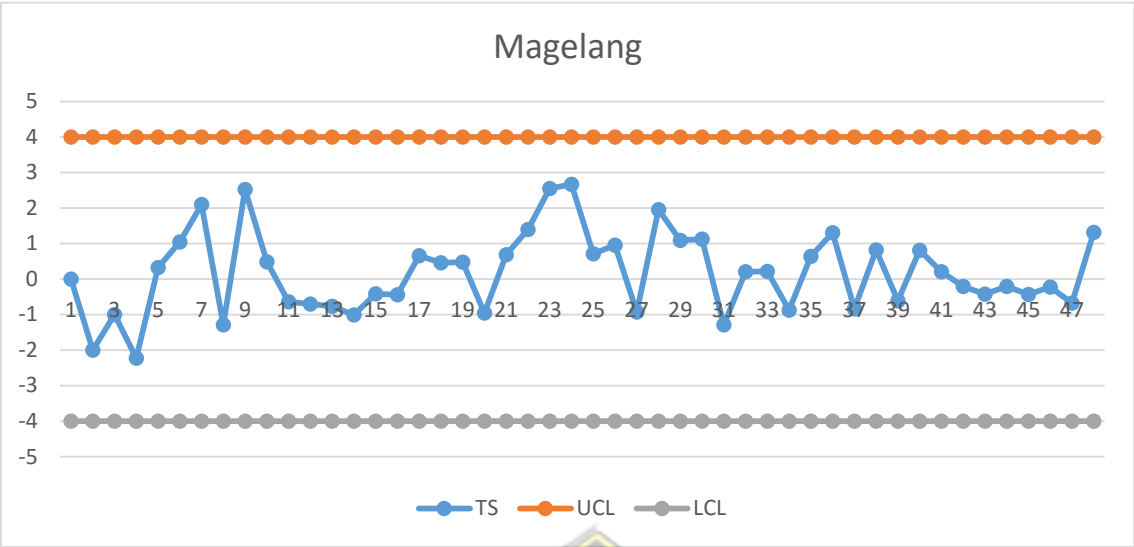


LAMPIRAN 3

Perhitungan Akurasi Peramalan

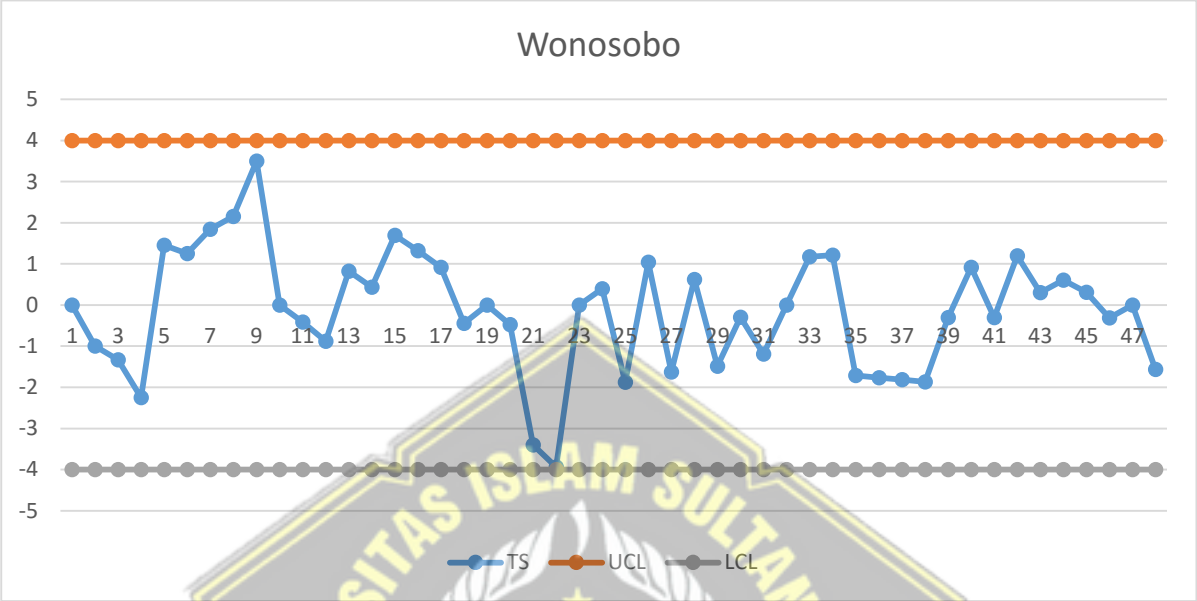
A. Magelang

Bulan	Periode	Permintaan	Peramalan	FE	CFE	AD	CAD	MAD	TS	UCL	LCL
	1	2	3	4 = 2-3	5 = kumulatif 4	6 = Absolut 4	7 = Kumulatif 6	8 = 7/1	9 = 5/8	4	-4
Jan		240									
	1	200	220	-20.00	-20.00	20.00	20.00	10	-2	4	-4
	2	220	210	10.00	-10.00	10.00	30.00	10	-1	4	-4
	3	190	205	-15.00	-25.00	15.00	45.00	11.25	-2.2222222	4	-4
Feb	4	250	220	30.00	5.00	30.00	75.00	15	0.3333333	4	-4
	5	270	260	10.00	15.00	10.00	85.00	14.166667	1.0588235	4	-4
	6	300	285	15.00	30.00	15.00	100.00	14.285714	2.1	4	-4
	7	190	245	-55.00	-25.00	55.00	155.00	19.375	-1.2903226	4	-4
Maret	8	380	285	95.00	70.00	95.00	250.00	27.777778	2.52	4	-4
	9	270	325	-55.00	15.00	55.00	305.00	30.5	0.4918033	4	-4
	10	200	235	-35.00	-20.00	35.00	340.00	30.909091	-0.6470588	4	-4
	11	200	200	0.00	-20.00	0.00	340.00	28.333333	-0.7058824	4	-4
April	12	200	200	0.00	-20.00	0.00	340.00	26.153846	-0.7647059	4	-4
	13	190	195	-5.00	-25.00	5.00	345.00	24.642857	-1.0144928	4	-4
	14	220	205	15.00	-10.00	15.00	360.00	24	-0.4166667	4	-4
	15	220	220	0.00	-10.00	0.00	360.00	22.5	-0.4444444	4	-4
Mei	16	270	245	25.00	15.00	25.00	385.00	22.647059	0.6623377	4	-4
	17	260	265	-5.00	10.00	5.00	390.00	21.666667	0.4615385	4	-4
	18	260	260	0.00	10.00	0.00	390.00	20.526316	0.4871795	4	-4
	19	200	230	-30.00	-20.00	30.00	420.00	21	-0.952381	4	-4
Juni	20	270	235	35.00	15.00	35.00	455.00	21.666667	0.6923077	4	-4
	21	300	285	15.00	30.00	15.00	470.00	21.363636	1.4042553	4	-4
	22	350	325	25.00	55.00	25.00	495.00	21.521739	2.5555556	4	-4
	23	350	350	0.00	55.00	0.00	495.00	20.625	2.6666667	4	-4
Juli	24	270	310	-40.00	15.00	40.00	535.00	21.4	0.7009346	4	-4
	25	280	275	5.00	20.00	5.00	540.00	20.769231	0.962963	4	-4
	26	200	240	-40.00	-20.00	40.00	580.00	21.481481	-0.9310345	4	-4
	27	330	265	65.00	45.00	65.00	645.00	23.035714	1.9534884	4	-4
Agus	28	290	310	-20.00	25.00	20.00	665.00	22.931034	1.0902256	4	-4
	29	290	290	0.00	25.00	0.00	665.00	22.166667	1.1278195	4	-4
	30	180	235	-55.00	-30.00	55.00	720.00	23.225806	-1.2916667	4	-4
	31	250	215	35.00	5.00	35.00	755.00	23.59375	0.2119205	4	-4
Sept	32	250	250	0.00	5.00	0.00	755.00	22.878788	0.218543	4	-4
	33	200	225	-25.00	-20.00	25.00	780.00	22.941176	-0.8717949	4	-4
	34	270	235	35.00	15.00	35.00	815.00	23.285714	0.6441718	4	-4
	35	300	285	15.00	30.00	15.00	830.00	23.055556	1.3012048	4	-4
Okt	36	200	250	-50.00	-20.00	50.00	880.00	23.783784	-0.8409091	4	-4
	37	280	240	40.00	20.00	40.00	920.00	24.210526	0.826087	4	-4
	38	210	245	-35.00	-15.00	35.00	955.00	24.487179	-0.6125654	4	-4
	39	280	245	35.00	20.00	35.00	990.00	24.75	0.8080808	4	-4
Nov	40	250	265	-15.00	5.00	15.00	1005.00	24.512195	0.2039801	4	-4
	41	230	240	-10.00	-5.00	10.00	1015.00	24.166667	-0.2068966	4	-4
	42	220	225	-5.00	-10.00	5.00	1020.00	23.72093	-0.4215686	4	-4
	43	230	225	5.00	-5.00	5.00	1025.00	23.295455	-0.2146341	4	-4
Des	44	220	225	-5.00	-10.00	5.00	1030.00	22.888889	-0.4368932	4	-4
	45	230	225	5.00	-5.00	5.00	1035.00	22.5	-0.2222222	4	-4
	46	210	220	-10.00	-15.00	10.00	1045.00	22.234043	-0.6746411	4	-4
	47	300	255	45.00	30.00	45.00	1090.00	22.708333	1.3211009	4	-4



B. Wonosobo

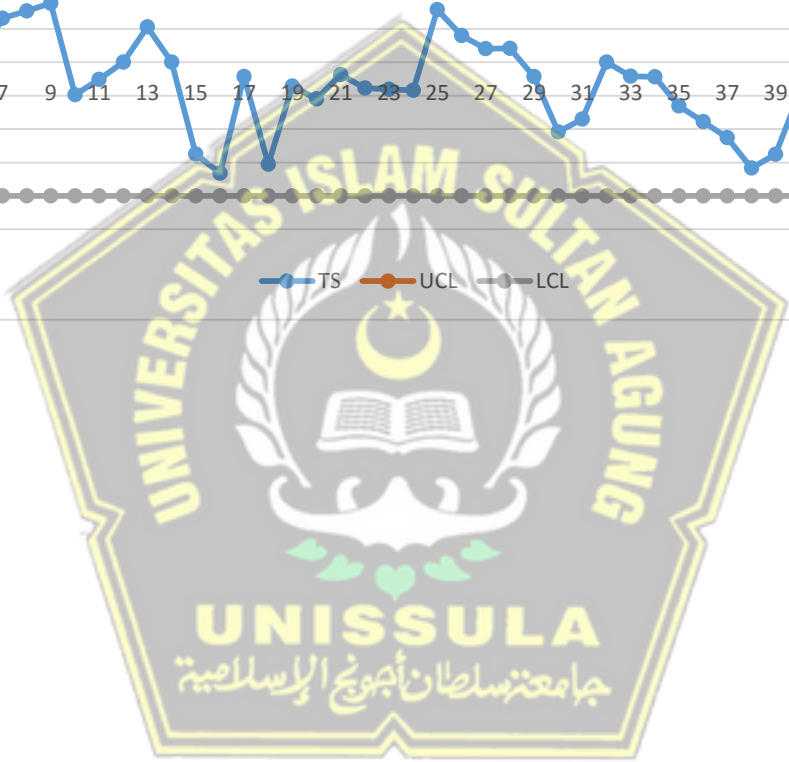
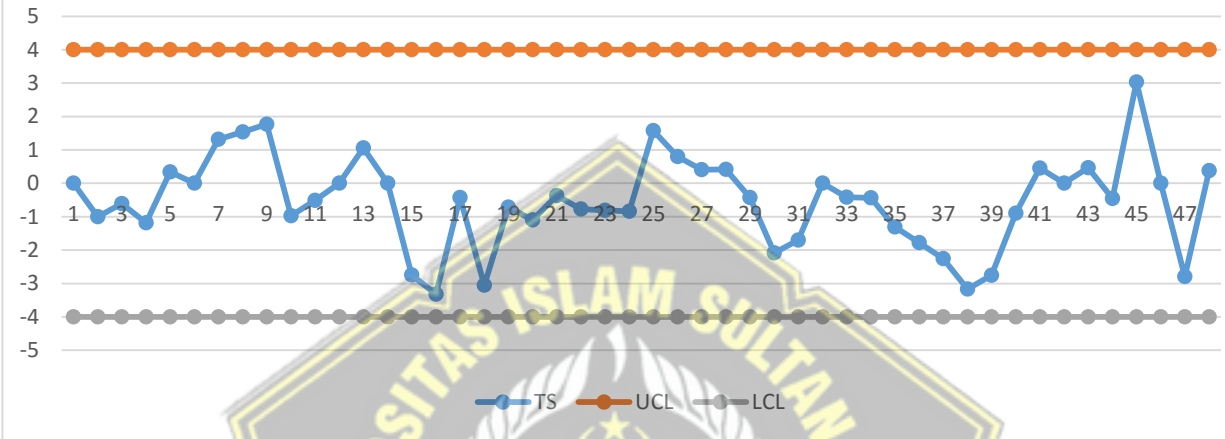
Bulan	Periode	Permintaan	Peramalan	FE	CFE	AD	CAD	MAD	TS	UCL	LCL
	1	2	3	4 = 2-3	5 = kumulatif 4	6 = Absolut 4	7 = Kumulatif 6	8 = 7/1	9 = 5/8	4	-4
Jan		260									
	1	230	245	-15	-15	15.00	15	15	-1	4	-4
	2	240	235	5	-10	0.00	15.00	7.5	-1.33333	4	-4
	3	230	235	-5	-15	5.00	20.00	6.666667	-2.25	4	-4
Feb	4	300	265	35	20	35.00	55.00	13.75	1.454545	4	-4
	5	290	295	-5	15	5.00	60.00	12	1.25	4	-4
	6	300	295	5	20	5.00	65.00	10.83333	1.846154	4	-4
	7	300	300	0	20	0.00	65.00	9.285714	2.153846	4	-4
Maret	8	330	315	15	35	15.00	80.00	10	3.5	4	-4
	9	260	295	-35	0	35.00	115.00	12.77778	0	4	-4
	10	250	255	-5	-5	5.00	120.00	12	-0.41667	4	-4
	11	240	245	-5	-10	5.00	125.00	11.36364	-0.88	4	-4
April	12	280	260	20	10	20.00	145.00	12.08333	0.827586	4	-4
	13	270	275	-5	5	5.00	150.00	11.53846	0.433333	4	-4
	14	300	285	15	20	15.00	165.00	11.78571	1.69697	4	-4
	15	290	295	-5	15	5.00	170.00	11.33333	1.323529	4	-4
Mei	16	280	285	-5	10	5.00	175.00	10.9375	0.914286	4	-4
	17	250	265	-15	-5	15.00	190.00	11.17647	-0.44737	4	-4
	18	260	255	5	0	5.00	195.00	10.83333	0	4	-4
	19	250	255	-5	-5	5.00	200.00	10.52632	-0.475	4	-4
Juni	20	180	215	-35	-40	35.00	235.00	11.75	-3.40426	4	-4
	21	170	175	-5	-45	5.00	240.00	11.42857	-3.9375	4	-4
	22	260	215	45	0	45.00	285.00	12.95455	0	4	-4
	23	270	265	5	5	5.00	290.00	12.6087	0.396552	4	-4
Juli	24	210	240	-30	-25	30.00	320.00	13.33333	-1.875	4	-4
	25	290	250	40	15	40.00	360.00	14.4	1.041667	4	-4
	26	210	250	-40	-25	40.00	400.00	15.38462	-1.625	4	-4
	27	280	245	35	10	35.00	435.00	16.11111	0.62069	4	-4
Agus	28	210	245	-35	-25	35.00	470.00	16.78571	-1.48936	4	-4
	29	250	230	20	-5	20.00	490.00	16.89655	-0.29592	4	-4
	30	220	235	-15	-20	15.00	505.00	16.83333	-1.18812	4	-4
	31	260	240	20	0	20.00	525.00	16.93548	0	4	-4
Sept	32	300	280	20	20	20.00	545.00	17.03125	1.174312	4	-4
	33	300	300	0	20	0.00	545.00	16.51515	1.211009	4	-4
	34	200	250	-50	-30	50.00	595.00	17.5	-1.71429	4	-4
	35	200	200	0	-30	0.00	595.00	17	-1.76471	4	-4
Okt	36	200	200	0	-30	0.00	595.00	16.52778	-1.81513	4	-4
	37	200	200	0	-30	0.00	595.00	16.08108	-1.86555	4	-4
	38	250	225	25	-5	25.00	620.00	16.31579	-0.30645	4	-4
	39	290	270	20	15	20.00	640.00	16.41026	0.914063	4	-4
Nov	40	250	270	-20	-5	20.00	660.00	16.5	-0.30303	4	-4
	41	300	275	25	20	25.00	685.00	16.70732	1.19708	4	-4
	42	270	285	-15	5	15.00	700.00	16.66667	0.3	4	-4
	43	280	275	5	10	5.00	705.00	16.39535	0.609929	4	-4
Des	44	270	275	-5	5	5.00	710.00	16.13636	0.309859	4	-4
	45	250	260	-10	-5	10.00	720.00	16	-0.3125	4	-4
	46	260	255	5	0	5.00	725.00	15.76087	0	4	-4
	47	210	235	-25	-25	25.00	750.00	15.95745	-1.56667	4	-4



C. Muntilan

Bulan	Periode	Permintaan	Peramalan	FE	CFE	AD	CAD	MAD	TS	UCL	LCL
	1	2	3	4 = 2-3	5 = kumulatif 4	6 = Absolut 4	7 = Kumulatif 6	8 = 7/1	9 = 5/8	4	-4
Jan		270									
	1	240	255	-15.00	-15.00	15.00	15.00	15.00	-1.00	4	-4
	2	250	245	5.00	-10.00	17.98	32.98	16.49	-0.61	4	-4
	3	240	245	-5.00	-15.00	5.00	37.98	12.66	-1.18	4	-4
Feb	4	280	260	20.00	5.00	20.00	57.98	14.50	0.34	4	-4
	5	270	275	-5.00	0.00	-5.00	52.98	10.60	0.00	4	-4
	6	300	285	15.00	15.00	15.00	67.98	11.33	1.32	4	-4
	7	300	300	0.00	15.00	0.00	67.98	9.71	1.54	4	-4
Maret	8	300	300	0.00	15.00	0.00	67.98	8.50	1.77	4	-4
	9	250	275	-25.00	-10.00	25.00	92.98	10.33	-0.97	4	-4
	10	260	255	5.00	-5.00	5.00	97.98	9.80	-0.51	4	-4
	11	270	265	5.00	0.00	5.00	102.98	9.36	0.00	4	-4
April	12	290	280	10.00	10.00	10.00	112.98	9.42	1.06	4	-4
	13	270	280	-10.00	0.00	10.00	122.98	9.46	0.00	4	-4
	14	210	240	-30.00	-30.00	30.00	152.98	10.93	-2.75	4	-4
	15	200	205	-5.00	-35.00	5.00	157.98	10.53	-3.32	4	-4
Mei	16	260	230	30.00	-5.00	30.00	187.98	11.75	-0.43	4	-4
	17	190	225	-35.00	-40.00	35.00	222.98	13.12	-3.05	4	-4
	18	250	220	30.00	-10.00	30.00	252.98	14.05	-0.71	4	-4
	19	240	245	-5.00	-15.00	5.00	257.98	13.58	-1.10	4	-4
Juni	20	260	250	10.00	-5.00	10.00	267.98	13.40	-0.37	4	-4
	21	250	255	-5.00	-10.00	5.00	272.98	13.00	-0.77	4	-4
	22	250	250	0.00	-10.00	0.00	272.98	12.41	-0.81	4	-4
	23	250	250	0.00	-10.00	0.00	272.98	11.87	-0.84	4	-4
Juli	24	310	280	30.00	20.00	30.00	302.98	12.62	1.58	4	-4
	25	290	300	-10.00	10.00	10.00	312.98	12.52	0.80	4	-4
	26	280	285	-5.00	5.00	5.00	317.98	12.23	0.41	4	-4
	27	280	280	0.00	5.00	0.00	317.98	11.78	0.42	4	-4
Agus	28	260	270	-10.00	-5.00	10.00	327.98	11.71	-0.43	4	-4
	29	220	240	-20.00	-25.00	20.00	347.98	12.00	-2.08	4	-4
	30	230	225	5.00	-20.00	5.00	352.98	11.77	-1.70	4	-4
	31	270	250	20.00	0.00	20.00	372.98	12.03	0.00	4	-4
Sept	32	260	265	-5.00	-5.00	5.00	377.98	11.81	-0.42	4	-4
	33	260	260	0.00	-5.00	0.00	377.98	11.45	-0.44	4	-4
	34	240	250	-10.00	-15.00	10.00	387.98	11.41	-1.31	4	-4
	35	230	235	-5.00	-20.00	5.00	392.98	11.23	-1.78	4	-4
Okt	36	220	225	-5.00	-25.00	5.00	397.98	11.06	-2.26	4	-4
	37	200	210	-10.00	-35.00	10.00	407.98	11.03	-3.17	4	-4
	38	210	205	5.00	-30.00	5.00	412.98	10.87	-2.76	4	-4
	39	250	230	20.00	-10.00	20.00	432.98	11.10	-0.90	4	-4
Nov	40	280	265	15.00	5.00	15.00	447.98	11.20	0.45	4	-4
	41	270	275	-5.00	0.00	5.00	452.98	11.05	0.00	4	-4
	42	280	275	5.00	5.00	5.00	457.98	10.90	0.46	4	-4
	43	260	270	-10.00	-5.00	10.00	467.98	10.88	-0.46	4	-4
Des	44	340	300	40.00	35.00	40.00	507.98	11.55	3.03	4	-4
	45	270	305	-35.00	0.00	35.00	542.98	12.07	0.00	4	-4
	46	200	235	-35.00	-35.00	35.00	577.98	12.56	-2.79	4	-4
	47	280	240	40.00	5.00	40.00	617.98	13.15	0.38	4	-4

Muntilan





LAMPIRAN 4

A. Lot For Lot
1. Magelang

Kegiatan	Periode															
	Januari				Februari				Maret				April			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Gross Requirement		220	210	205	220	260	285	245	285	325	235	200	200	195	205	220
Schedule Requirement																
Project On Hand	290	290	70	60	46	46	46	46	46	46	46	46	46	46	46	46
Net Requirement			186	191	220	260	285	245	285	325	235	200	200	195	205	220
Planned Order Receipt			200	191	220	260	285	245	285	325	235	200	200	195	205	220
Planned Order Released		200	191	220	260	285	245	285	325	235	200	200	195	205	220	245
Biaya simpan	29000	7000	6000	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
Biaya pesan		267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000
Total Biaya	29000	274000	273000	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600

Periode															
Mei				Juni				Juli				Agustus			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
245	265	260	230	235	285	325	350	310	275	240	265	310	290	235	215
46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
245	265	260	230	235	285	325	350	310	275	240	265	310	290	235	215
245	265	260	230	235	285	325	350	310	275	240	265	310	290	235	215
265	260	230	235	285	325	350	310	275	240	265	310	290	235	215	250
4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000
271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600

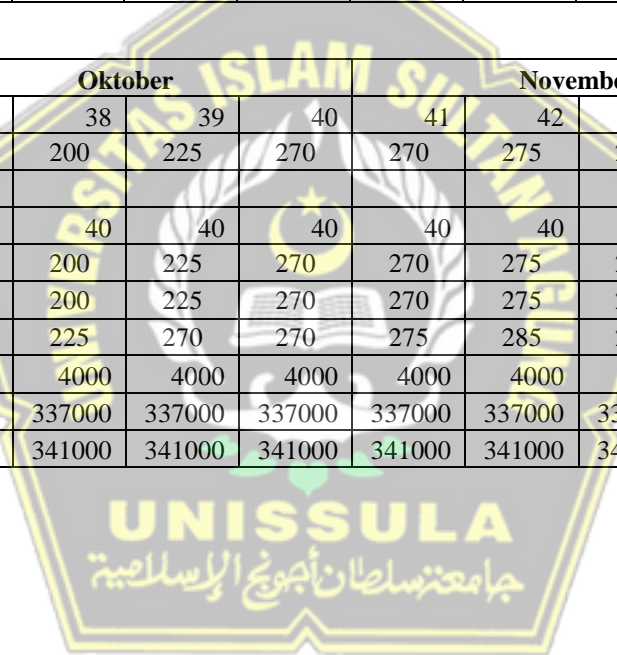
Periode															
September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
225	235	285	250	240	245	245	265	240	225	225	225	225	220	255	
4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600
267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000
271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	271600	4600

2. Wonosobo

Kegiatan	Periode															
	Januari				Februari				Maret				April			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Gross Requirement		245	235	235	265	295	295	300	315	295	255	245	260	275	285	295
Schedule Requirement																
Project On Hand	260	260	115	40	40	40	40	40	40	40	40	40	40	40	40	40
Net Requirement		25	160	235	265	295	295	300	315	295	255	245	260	275	285	295
Planned Order Receipt		100	160	235	265	295	295	300	315	295	255	245	260	275	285	295
Planned Order Released	100	160	235	265	295	295	300	315	295	255	245	260	275	285	295	285
Biaya simpan	26000	11500	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Biaya pesan		337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000
Total Biaya	26000	348500	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000

Mei				Juni				Juli				Agustus			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
285	265	255	255	215	175	215	265	240	250	250	245	245	230	235	240
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
285	265	255	255	215	175	215	265	240	250	250	245	245	230	235	240
285	265	255	255	215	175	215	265	240	250	250	245	245	230	235	240
265	255	255	215	175	215	265	240	250	250	245	245	230	235	240	280
4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000
341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000

September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
280	300	250	200	200	200	225	270	270	275	285	275	275	260	255	235
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
280	300	250	200	200	200	225	270	270	275	285	275	275	260	255	235
280	300	250	200	200	200	225	270	270	275	285	275	275	260	255	235
300	250	200	200	200	225	270	270	275	285	275	275	260	255	235	
4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000	337000
341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000	341000



September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
225	235	285	250	240	245	245	265	240	225	225	225	225	220	255	
3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300
267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000	267000
270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300	270300

B. Economic Order Quantity

1. Magelang

Kegiatan	Periode															
	Januari				Februari				Maret				April			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Gross Requirement		220	210	205	220	260	285	245	285	325	235	200	200	195	205	220
Schedule Requirement																
Project On Hand	290	290	70	1001	796	576	316	1172	927	642	317	82	1023	823	628	423
Net Requirement			186					15				164				
Planned Order Receipt			1141				1141				1141					
Planned Order Released		1141				1141				1141						1141
Biaya simpan		29000	7000	100100	79600	57600	31600	117200	92700	64200	31700	8200	102300	82300	62800	42300
Biaya pesan			267000				267000				267000					267000
Total Biaya		29000	274000	100100	79600	57600	298600	117200	92700	64200	31700	275200	102300	82300	62800	42300

Mei				Juni				Juli				Agustus			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
245	265	260	230	235	285	325	350	310	275	240	265	310	290	235	215
1099	834	574	344	109	965	640	290	1121	846	606	341	1171	882	647	432
88					222			66				15			
1141					1141			1141				1141			
				1141			1141				1141				
109900	83400	57400	34400	10900	96500	64000	29000	112100	84600	60600	34100	117100	88200	64700	43200
				267000			267000				267000				
109900	83400	57400	34400	277900	96500	64000	296000	112100	84600	60600	301100	117100	88200	64700	43200

September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
182	1098	863	578	328	88	984	739	474	234	1150	925	700	475	225	1141
	89					203				37					46
	1141					1141				1141					1141
1141					1141			1141						1141	
18200	109800	86300	57800	32800	8800	98400	73900	47400	23400	115000	92500	70000	47500	22500	114100
267000					267000			267000						267000	
285200	109800	86300	57800	32800	275800	98400	73900	47400	290400	115000	92500	70000	47500	289500	114100

2. Wonosobo

Kegiatan	Periode																
	Januari				Februari				Maret				April				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Gross Requirement		245	235	235	265	295	295	300	315	295	255	245	260	275	285	295	
Schedule Requirement																	
Project On Hand	260	260	1323	1088	853	588	293	1296	996	681	386	131	1184	924	649	364	69
Net Requirement		25						42									
Planned Order Receipt		1298						1298				1298					
Planned Order Released	1298						1298				1298						1298
Biaya simpan	26000	132300	108800	85300	58800	29300	129600	99600	68100	38600	13100	118400	92400	64900	36400	6900	
Biaya pesan	337000					337000					337000					337000	
Total Biaya	363000	132300	108800	85300	58800	366300	129600	99600	68100	38600	350100	118400	92400	64900	36400	343900	

Periode															
Mei				Juni				Juli				Agustus			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
285	265	255	255	215	175	215	265	240	250	250	245	245	230	235	240
1082	817	562	307	92	1215	1000	735	495	245	1293	1048	803	573	338	98
					123					45					
1298					1298					1298					
				1298					1298						1298
108200	81700	56200	30700	9200	121500	100000	73500	49500	24500	129300	104800	80300	57300	33800	9800
				337000					337000						337000
108200	81700	56200	30700	346200	121500	100000	73500	49500	361500	129300	104800	80300	57300	33800	346800

Periode															
September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
280	300	250	200	200	200	225	270	270	275	285	275	275	260	255	235
1116	816	566	366	166	1264	1039	769	499	224	1237	962	687	427	172	1235
222					74					101					103
1298					1298					1298					1298
				1298					1298					1298	
111600	81600	56600	36600	16600	126400	103900	76900	49900	22400	123700	96200	68700	42700	17200	123500
				337000					337000					337000	
111600	81600	56600	36600	353600	126400	103900	76900	49900	359400	123700	96200	68700	42700	354200	123500

3. Muntilan

Kegiatan	Periode																
	Januari				Februari				Maret				April				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Gross Requirement		220	210	205	220	260	285	245	285	325	235	200	200	195	205	220	
Schedule Requirement																	
Project On Hand	250	250	50	1081	876	656	396	111	1107	822	497	262	62	1103	908	703	483
Net Requirement			193					167					171				
Planned Order Receipt			1241					1241					1241				
Planned Order Released		1241					1241					1241					
Biaya simpan	25000	5000	108100	87600	65600	39600	11100	110700	82200	49700	26200	6200	110300	90800	70300	48300	
Biaya pesan		307000					307000					307000					
Total Biaya	25000	312000	108100	87600	65600	39600	318100	110700	82200	49700	26200	313200	110300	90800	70300	48300	

Periode															
Mei				Juni				Juli				Agustus			
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
245	265	260	230	235	285	325	350	310	275	240	265	310	290	235	215
238	1214	954	724	489	204	1120	770	460	185	1186	921	611	321	86	1112
	60					154				88					162
	1241					1241				1241					1241
1241					1241				1241					1241	
23800	121400	95400	72400	48900	20400	112000	77000	46000	18500	118600	92100	61100	32100	8600	111200
307000					307000				307000					307000	
330800	121400	95400	72400	48900	327400	112000	77000	46000	325500	118600	92100	61100	32100	315600	111200

Periode															
September				Oktober				November				Desember			
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
250	225	235	285	250	240	245	245	265	240	225	225	225	225	220	255
862	637	402	117	1108	868	623	378	113	1114	889	664	439	214	1235	980
				166					160					39	
				1241					1241					1241	
			1241										1241		
86200	63700	40200	11700	110800	86800	62300	37800	11300	111400	88900	66400	43900	21400	123500	98000
			307000					307000					307000		
86200	63700	40200	318700	110800	86800	62300	37800	318300	111400	88900	66400	43900	328400	123500	98000