

LAMPIRAN

Lampiran 1. Daftar Perusahaan Sub Sektor Pertambangan Minyak dan Gas Bumi 2016

NO.	KODE	NAMA EMITEN	NO.	KODE	NAMA EMITEN
1.	ADRO	Adaro Energy Tbk	22.	SMMT	Golden Eagle Energy Tbk
2.	ARII	Atlas Resources Tbk	23.	TKGA	Permata Prima Sakti Tbk
3.	ATPK	Bara Jaya International Tbk	24.	TOBA	Toba Bara Sejahtera Tbk
4.	BORN	Borneo Lumbang Energy & metal Tbk	25.	ARTI	RatuPrabuEnergi, Tbk
5.	BRAU	BerauConal Energy Tbk	26.	BIPI	Benakat Integra, Tbk
6.	BSSR	BaramultiSuksessaranaTbk	27.	ELSA	Elnusa, Tbk
7.	BUMI	Bumi Resources Tbk	28.	ENRG	Energi Mega Persada, Tbk
8.	BYAN	Bayan Resources Tbk	29.	ESSA	Surya Esa Perkasa, Tbk
9.	DEWA	DarmaHenwaTbk	30.	MEDC	Medco EnergiInternasional, Tbk
10.	DOID	Delta DuniaMakmurTbk	31.	RUIS	Radiant UtamaInterinsco, Tbk
11.	FIRE	Alfa EnergyInvestamaTbk	32.	ANTM	Aneka Tambang Tbk
12.	GEMS	Golden Energy Mines Tbk	33.	CITA	Cita Mineral InvestindoTbk
13.	GTBO	Garda TujuhBuanaTbk	34.	CKRA	Cakra Mineral Tbk
14.	HRUM	Harum Energy Tbk	35.	DKFT	Central Omega Resource
15.	ITMG	Indo TambangrayaMegahTbk	36.	INCO	Vale Indonesia Tbk
16.	KKGI	Resource Alam Indonesia Tbk	37.	MDKA	Merdeka Copper Gold Tbk
17.	MBAP	MitrabaraAdiperdana	38.	PSAB	J Resource Asia PasificTbk
18.	MYOH	Samindo Resource Tbk	39.	SMRU	SMR UtamaTbk
19.	PKPK	PerdanaKarya Perkasa Tbk	40.	TINS	Timah (Persero) Tbk
20.	PTBA	Bukit Asam (Persero) Tbk	41.	CTTH	CitatahTbk
21.	PTRO	PetroseaTbk	42.	MITI	MitraInvestindoTbk

Lampiran 2. Daftar Perusahaan yang dijadikan sampel penelitian dengan 4 perusahaan yang aktif dalam perdagangan saham

No.	Kode Saham	Nama Emiten
1.	BUMI	Bumi Resources Tbk
2.	DEWA	Darma Henwa Tbk
3.	DOID	Delta Dunia Makmur Tbk
4.	HRUM	Harum Energy Tbk
5.	ITMG	Indo Tambangraya Megah Tbk
6.	KKGI	Resource Alam Indonesia Tbk
7.	PKPK	Perdana Karya Perkasa Tbk
8.	PTBA	Bukit Asam (Persero) Tbk
9.	PTRO	Petrosea Tbk
10.	SMMT	Golden Eagle Energy Tbk
11.	BIPI	Benakat Integra, Tbk
12.	ELSA	Elnusa, Tbk
13.	MEDC	Medco Energi Internasional, Tbk
14.	RUIS	Radiant Utama Interinsco, Tbk
15.	ANTM	Aneka Tambang Tbk
16.	MDKA	Merdeka Copper Gold Tbk
17.	SMRU	SMR Utama Tbk
18.	TINS	Timah (Persero) Tbk
19.	CTTH	Citatah Tbk
20.	MITI	Mitra Investindo Tbk

Lampiran 3.Perhitungan Return Market

HARI	PERIODE	PRICE	RM
21/02/2017	T-6	5,340.99	
22/02/2017	T-5	5,358.68	0.003312
23/02/2017	T-4	5,372.75	0.002626
24/02/2017	T-3	5,385.91	0.002449
27/02/2017	T-2	5,382.87	-0.00056
28/02/2017	T-1	5,386.69	0.00071
1/3/2017	T0	5,363.06	-0.00439
2/3/2017	T1	5,408.25	0.008426
3/3/2017	T2	5,391.21	-0.00315
6/3/2017	T3	5,409.82	0.003452
7/3/2017	T4	5,402.62	-0.00133
8/3/2017	T5	5,393.76	-0.00164

Lampiran 4. Perhitungan actual return, expected return, abnormal return

BUMI								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	158						
22/02/2017	T-5	150	-0.05063	0.00079	-0.01022	0.00331	0.00076	-0.0514
23/02/2017	T-4	153	0.02	0.00079	-0.01022	0.00263	0.00077	0.0192
24/02/2017	T-3	150	-0.01961	0.00079	-0.01022	0.00245	0.00080	-0.0204
27/02/2017	T-2	149	-0.00667	0.00079	-0.01022	-0.00056	0.00078	-0.0075
28/02/2017	T-1	154	0.033557	0.00079	-0.01022	0.00071	0.00084	0.0327
1/3/2017	T0	148	-0.03896	0.00079	-0.01022	-0.00439	0.00071	-0.0397
2/3/2017	T1	145	-0.02027	0.00079	-0.01022	0.00843	0.00082	-0.0211
3/3/2017	T2	143	-0.01379	0.00079	-0.01022	-0.00315	0.00076	-0.0146
6/3/2017	T3	140	-0.02098	0.00079	-0.01022	0.00345	0.00081	-0.0218
7/3/2017	T4	138	-0.01429	0.00079	-0.01022	-0.00133	0.00081	-0.0151
8/3/2017	T5	140	0.014493	0.00079	-0.01022	-0.00164	0.00000	0.0145
Rata-rata sebelum			-0.00467					
Rata-rata sesudah			-0.01097					

ANTM								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	790						
22/02/2017	T-5	785	-0.0063	0.00164	0.10519	0.00331	0.0020	0.0464
23/02/2017	T-4	785	0.0000	0.00164	0.10519	0.00263	0.0019	-0.0173
24/02/2017	T-3	765	-0.0255	0.00164	0.10519	0.00245	0.0019	0.0294
27/02/2017	T-2	740	-0.0327	0.00164	0.10519	-0.00056	0.0016	-0.0167
28/02/2017	T-1	745	0.0068	0.00164	0.10519	0.00071	0.0017	-0.0017
1/3/2017	T0	750	0.0067	0.00164	0.10519	-0.00439	0.0012	-0.0166
2/3/2017	T1	770	0.0267	0.00164	0.10519	0.00843	0.0025	-0.0181
3/3/2017	T2	755	-0.0195	0.00164	0.10519	-0.00315	0.0013	-0.0172
6/3/2017	T3	760	0.0066	0.00164	0.10519	0.00345	0.0020	0.0303
7/3/2017	T4	750	-0.0132	0.00164	0.10519	-0.00133	0.0015	0.0298
8/3/2017	T5	730	-0.0267	0.00164	0.10519	-0.00164	0.0015	-0.0015
Rata-rata sebelum			-0.0115					
Rata-rata sesudah			-0.0052					

DOID								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	665						
22/02/2017	T-5	650	-0.0226	0.00092	-0.00281	0.00331	1.9498	124.050
23/02/2017	T-4	640	-0.0154	0.00092	-0.00281	0.00263	1.9498	121.050
24/02/2017	T-3	670	0.0469	0.00092	-0.00281	0.00245	1.9498	118.050
27/02/2017	T-2	740	0.1045	0.00092	-0.00281	-0.00056	1.9497	115.050
28/02/2017	T-1	705	-0.0473	0.00092	-0.00281	0.00071	1.9498	114.050
1/3/2017	T0	705	0.0000	0.00092	-0.00281	-0.00439	1.9497	110.050
2/3/2017	T1	725	0.0284	0.00092	-0.00281	0.00843	1.9499	106.050
3/3/2017	T2	760	0.0483	0.00092	-0.00281	-0.00315	1.9497	117.050
6/3/2017	T3	750	-0.0132	0.00092	-0.00281	0.00345	1.9498	115.050
7/3/2017	T4	765	0.0200	0.00092	-0.00281	-0.00133	1.9497	115.050
8/3/2017	T5	720	-0.0588	0.00092	-0.00281	-0.00164	1.9497	111.050
Rata-rata sebelum				0.0132				
Rata-rata sesudah				0.0049				

MDKA								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	1990						
22/02/2017	T-5	1990	0.0000	0.00087	0.01536	0.00331	0.00093	-0.00093
23/02/2017	T-4	1990	0.0000	0.00087	0.01536	0.00263	0.00092	-0.00092
24/02/2017	T-3	2100	0.0553	0.00087	0.01536	0.00245	0.00091	0.05436
27/02/2017	T-2	2220	0.0571	0.00087	0.01536	-0.00056	0.00087	0.05628
28/02/2017	T-1	2120	-0.0450	0.00087	0.01536	0.00071	0.00089	-0.04593
1/3/2017	T0	2130	0.0047	0.00087	0.01536	-0.00439	0.00081	0.00391
2/3/2017	T1	2200	0.0329	0.00087	0.01536	0.00843	0.00100	0.03186
3/3/2017	T2	2290	0.0409	0.00087	0.01536	-0.00315	0.00083	0.04008
6/3/2017	T3	2290	0.0000	0.00087	0.01536	0.00345	0.00093	-0.00093
7/3/2017	T4	2270	-0.0087	0.00087	0.01536	-0.00133	0.00085	-0.00959
8/3/2017	T5	2000	-0.1189	0.00087	0.01536	-0.00164	0.00085	-0.11979
Rata-rata sebelum				0.0135				
Rata-rata sesudah				-0.0108				

SMRU								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	294						
22/02/2017	T-5	304	0.0340	0.00088	0.00733	0.00331	0.00090	0.03311
23/02/2017	T-4	300	-0.0132	0.00088	0.00733	0.00263	0.00090	-0.01406
24/02/2017	T-3	298	-0.0067	0.00088	0.00733	0.00245	0.00090	-0.00757
27/02/2017	T-2	300	0.0067	0.00088	0.00733	-0.00056	0.00088	0.00583
28/02/2017	T-1	300	0.0000	0.00088	0.00733	0.00071	0.00089	-0.00089
1/3/2017	T0	304	0.0133	0.00088	0.00733	-0.00439	0.00085	0.01248
2/3/2017	T1	304	0.0000	0.00088	0.00733	0.00843	0.00094	-0.00094
3/3/2017	T2	298	-0.0197	0.00088	0.00733	-0.00315	0.00086	-0.02059
6/3/2017	T3	300	0.0067	0.00088	0.00733	0.00345	0.00091	0.00581
7/3/2017	T4	290	-0.0333	0.00088	0.00733	-0.00133	0.00087	-0.03420
8/3/2017	T5	302	0.0414	0.00088	0.00733	-0.00164	0.00087	0.04051
Rata-rata sebelum			0.0042					
Rata-rata sesudah			-0.0010					

TINS								
DATE	PERIODE	PRICE	ACTUAL	α	B	Rm	E(Rit)	AR
21/02/2017	T-6	1040						
22/02/2017	T-5	1030	-0.0096	0.00090	0.00023	0.0033	0.0009	-0.0105
23/02/2017	T-4	990	-0.0388	0.00090	0.00023	0.0026	0.0009	-0.0397
24/02/2017	T-3	950	-0.0404	0.00090	0.00023	0.0024	0.0009	-0.0413
27/02/2017	T-2	960	0.0105	0.00090	0.00023	-0.0006	0.0009	0.0096
28/02/2017	T-1	990	0.0313	0.00090	0.00023	0.0007	0.0009	0.0303
1/3/2017	T0	1000	0.0101	0.00090	0.00023	-0.0044	0.0009	0.0092
2/3/2017	T1	1010	0.0100	0.00090	0.00023	0.0084	0.0009	0.0091
3/3/2017	T2	985	-0.0248	0.00090	0.00023	-0.0032	0.0009	-0.0257
6/3/2017	T3	1005	0.0203	0.00090	0.00023	0.0035	0.0009	0.0194
7/3/2017	T4	1010	0.0050	0.00090	0.00023	-0.0013	0.0009	0.0041
8/3/2017	T5	1005	-0.0050	0.00090	0.00023	-0.0016	0.0009	-0.0059
Rata-rata sebelum			-0.0094					
Rata-rata sesudah			0.0011					

CTTH								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	94						
22/02/2017	T-5	85	-0.096	0.0009	-0.0088	0.0033	0.00086	-0.09660
23/02/2017	T-4	89	0.047	0.0009	-0.0088	0.0026	0.00086	0.04620
24/02/2017	T-3	93	0.045	0.0009	-0.0088	0.0024	0.00089	0.04406
27/02/2017	T-2	89	-0.043	0.0009	-0.0088	-0.0006	0.00087	-0.04389
28/02/2017	T-1	89	0.000	0.0009	-0.0088	0.0007	0.00092	-0.00092
1/3/2017	T0	90	0.011	0.0009	-0.0088	-0.0044	0.00081	0.01043
2/3/2017	T1	89	-0.011	0.0009	-0.0088	0.0084	0.00091	-0.01202
3/3/2017	T2	88	-0.011	0.0009	-0.0088	-0.0032	0.00085	-0.01209
6/3/2017	T3	89	0.011	0.0009	-0.0088	0.0035	0.00089	0.01047
7/3/2017	T4	89	0.000	0.0009	-0.0088	-0.0013	0.00090	-0.00090
8/3/2017	T5	91	0.022	0.0009	-0.0088	-0.0016	0.00000	0.02247
Rata-rata sebelum			-0.009					
Rata-rata sesudah			0.002					

MITI								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	62						
22/02/2017	T-5	65	0.048	0.0007	0.0328	0.0033	0.0008	0.0476
23/02/2017	T-4	64	-0.015	0.0007	0.0328	0.0026	0.0008	-0.0162
24/02/2017	T-3	66	0.031	0.0007	0.0328	0.0024	0.0007	0.0306
27/02/2017	T-2	65	-0.015	0.0007	0.0328	-0.0006	0.0007	-0.0159
28/02/2017	T-1	65	0.000	0.0007	0.0328	0.0007	0.0006	-0.0006
1/3/2017	T0	64	-0.015	0.0007	0.0328	-0.0044	0.0010	-0.0164
2/3/2017	T1	63	-0.016	0.0007	0.0328	0.0084	0.0006	-0.0162
3/3/2017	T2	62	-0.016	0.0007	0.0328	-0.0032	0.0008	-0.0167
6/3/2017	T3	64	0.032	0.0007	0.0328	0.0035	0.0007	0.0316
7/3/2017	T4	66	0.031	0.0007	0.0328	-0.0013	0.0007	0.0306
8/3/2017	T5	66	0.000	0.0007	0.0328	-0.0016	0.0000	0.0000
Rata-rata sebelum			0.010					
Rata-rata sesudah			0.006					

HRUM								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	2110						
22/02/2017	T-5	2070	-0.019	0.0011	-0.0189	0.0033	0.0011	-0.0200
23/02/2017	T-4	2080	0.005	0.0011	-0.0189	0.0026	0.0011	0.0037
24/02/2017	T-3	2160	0.038	0.0011	-0.0189	0.0024	0.0011	0.0373
27/02/2017	T-2	2210	0.023	0.0011	-0.0189	-0.0006	0.0011	0.0220
28/02/2017	T-1	2180	-0.014	0.0011	-0.0189	0.0007	0.0012	-0.0148
1/3/2017	T0	2150	-0.014	0.0011	-0.0189	-0.0044	0.0010	-0.0147
2/3/2017	T1	2200	0.023	0.0011	-0.0189	0.0084	0.0012	0.0221
3/3/2017	T2	2330	0.059	0.0011	-0.0189	-0.0032	0.0011	0.0580
6/3/2017	T3	2310	-0.009	0.0011	-0.0189	0.0035	0.0012	-0.0097
7/3/2017	T4	2360	0.022	0.0011	-0.0189	-0.0013	0.0012	0.0205
8/3/2017	T5	2400	0.017	0.0011	-0.0189	-0.0016	0.0000	0.0169
Rata-rata sebelum			0.007					
Rata-rata sesudah			0.022					

ITMG								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	16525						
22/02/2017	T-5	16325	-0.012	0.0007	0.0527	0.0033	0.0009	-0.0130
23/02/2017	T-4	16700	0.023	0.0007	0.0527	0.0026	0.0008	0.0221
24/02/2017	T-3	17225	0.031	0.0007	0.0527	0.0024	0.0007	0.0308
27/02/2017	T-2	16800	-0.025	0.0007	0.0527	-0.0006	0.0008	-0.0254
28/02/2017	T-1	17600	0.048	0.0007	0.0527	0.0007	0.0005	0.0471
1/3/2017	T0	17500	-0.006	0.0007	0.0527	-0.0044	0.0012	-0.0068
2/3/2017	T1	17950	0.026	0.0007	0.0527	0.0084	0.0005	0.0252
3/3/2017	T2	17525	-0.024	0.0007	0.0527	-0.0032	0.0009	-0.0246
6/3/2017	T3	17075	-0.026	0.0007	0.0527	0.0035	0.0006	-0.0263
7/3/2017	T4	17150	0.004	0.0007	0.0527	-0.0013	0.0006	0.0038
8/3/2017	T5	17125	-0.001	0.0007	0.0527	-0.0016	0.0000	-0.0015
Rata-rata sebelum			0.013					
Rata-rata sesudah			-0.004					

KKGI								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	474						
22/02/2017	T-5	490	0.0338	0.0010	0.0364	0.0033	0.0011	0.0327
23/02/2017	T-4	484	-0.0122	0.0010	0.0364	0.0026	0.0011	-0.0133
24/02/2017	T-3	490	0.0124	0.0010	0.0364	0.0024	0.0010	0.0114
27/02/2017	T-2	488	-0.0041	0.0010	0.0364	-0.0006	0.0010	-0.0051
28/02/2017	T-1	486	-0.0041	0.0010	0.0364	0.0007	0.0008	-0.0049
1/3/2017	T0	454	-0.0658	0.0010	0.0364	-0.0044	0.0013	-0.0671
2/3/2017	T1	450	-0.0088	0.0010	0.0364	0.0084	0.0009	-0.0097
3/3/2017	T2	422	-0.0622	0.0010	0.0364	-0.0032	0.0011	-0.0633
6/3/2017	T3	428	0.0142	0.0010	0.0364	0.0035	0.0009	0.0133
7/3/2017	T4	452	0.0561	0.0010	0.0364	-0.0013	0.0009	0.0552
8/3/2017	T5	460	0.0177	0.0010	0.0364	-0.0016	0.0000	0.0177
Rata-rata sebelum			0.0051					
Rata-rata sesudah			0.0034					

PKPK								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	85						
22/02/2017	T-5	79	-0.0706	0.0009	-0.0061	0.0033	0.0009	-0.0130
23/02/2017	T-4	78	-0.0127	0.0009	-0.0061	0.0026	0.0008	0.0221
24/02/2017	T-3	84	0.0769	0.0009	-0.0061	0.0024	0.0007	0.0308
27/02/2017	T-2	79	-0.0595	0.0009	-0.0061	-0.0006	0.0008	-0.0254
28/02/2017	T-1	84	0.0633	0.0009	-0.0061	0.0007	0.0005	0.0471
1/3/2017	T0	80	-0.0476	0.0009	-0.0061	-0.0044	0.0012	-0.0068
2/3/2017	T1	77	-0.0375	0.0009	-0.0061	0.0084	0.0005	0.0252
3/3/2017	T2	78	0.0130	0.0009	-0.0061	-0.0032	0.0009	-0.0246
6/3/2017	T3	73	-0.0641	0.0009	-0.0061	0.0035	0.0006	-0.0263
7/3/2017	T4	94	0.2877	0.0009	-0.0061	-0.0013	0.0006	0.0038
8/3/2017	T5	87	-0.0745	0.0009	-0.0061	-0.0016	0.0000	-0.0015
Rata-rata sebelum			-0.0005					
Rata-rata sesudah			0.0249					

PTRO								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	765						
22/02/2017	T-5	755	-0.013	0.0007	0.0258	0.0033	0.0007	-0.0138
23/02/2017	T-4	770	0.020	0.0007	0.0258	0.0026	0.0007	0.0192
24/02/2017	T-3	780	0.013	0.0007	0.0258	0.0024	0.0006	0.0123
27/02/2017	T-2	835	0.071	0.0007	0.0258	-0.0006	0.0007	0.0698
28/02/2017	T-1	890	0.066	0.0007	0.0258	0.0007	0.0005	0.0653
1/3/2017	T0	850	-0.045	0.0007	0.0258	-0.0044	0.0009	-0.0458
2/3/2017	T1	860	0.012	0.0007	0.0258	0.0084	0.0006	0.0112
3/3/2017	T2	850	-0.012	0.0007	0.0258	-0.0032	0.0007	-0.0124
6/3/2017	T3	850	0.000	0.0007	0.0258	0.0035	0.0006	-0.0006
7/3/2017	T4	855	0.006	0.0007	0.0258	-0.0013	0.0006	0.0053
8/3/2017	T5	845	-0.012	0.0007	0.0258	-0.0016	0.0000	-0.0117
Rata-rata sebelum			0.031					
Rata-rata sesudah			-0.001					

PTBA								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	11250						
22/02/2017	T-5	11200	-0.0044	0.0011	0.0508	0.0033	0.0012	-0.0057
23/02/2017	T-4	11300	0.0089	0.0011	0.0508	0.0026	0.0012	0.0077
24/02/2017	T-3	11150	-0.0133	0.0011	0.0508	0.0024	0.0011	-0.0143
27/02/2017	T-2	11025	-0.0112	0.0011	0.0508	-0.0006	0.0011	-0.0123
28/02/2017	T-1	11175	0.0136	0.0011	0.0508	0.0007	0.0009	0.0127
1/3/2017	T0	11125	-0.0045	0.0011	0.0508	-0.0044	0.0015	-0.0060
2/3/2017	T1	11200	0.0067	0.0011	0.0508	0.0084	0.0009	0.0058
3/3/2017	T2	10975	-0.0201	0.0011	0.0508	-0.0032	0.0013	-0.0213
6/3/2017	T3	10750	-0.0205	0.0011	0.0508	0.0035	0.0010	-0.0215
7/3/2017	T4	10950	0.0186	0.0011	0.0508	-0.0013	0.0010	0.0176
8/3/2017	T5	10800	-0.0137	0.0011	0.0508	-0.0016	0.0000	-0.0137
Rata-rata sebelum			-0.0013					
Rata-rata sesudah			-0.0058					

SMMT								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	158						
22/02/2017	T-5	150	-0.0506	0.0008	-0.0102	0.0033	0.0008	-0.0514
23/02/2017	T-4	153	0.0200	0.0008	-0.0102	0.0026	0.0008	0.0192
24/02/2017	T-3	150	-0.0196	0.0008	-0.0102	0.0024	0.0008	-0.0204
27/02/2017	T-2	149	-0.0067	0.0008	-0.0102	-0.0006	0.0008	-0.0075
28/02/2017	T-1	154	0.0336	0.0008	-0.0102	0.0007	0.0008	0.0327
1/3/2017	T0	148	-0.0390	0.0008	-0.0102	-0.0044	0.0007	-0.0397
2/3/2017	T1	145	-0.0203	0.0008	-0.0102	0.0084	0.0008	-0.0211
3/3/2017	T2	143	-0.0138	0.0008	-0.0102	-0.0032	0.0008	-0.0145
6/3/2017	T3	140	-0.0210	0.0008	-0.0102	0.0035	0.0008	-0.0218
7/3/2017	T4	138	-0.0143	0.0008	-0.0102	-0.0013	0.0008	-0.0151
8/3/2017	T5	140	0.0145	0.0008	-0.0102	-0.0016	0.0000	0.0145
Rata-rata sebelum			-0.0013					
Rata-rata sesudah			-0.0058					

BIPI								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	135						
22/02/2017	T-5	126	-0.0667	0.0175	1.9497	0.00331	1.9498	124.0502
23/02/2017	T-4	123	-0.0238	0.0175	1.9497	0.00263	1.9498	121.0502
24/02/2017	T-3	120	-0.0244	0.0175	1.9497	0.00245	1.9498	118.0502
27/02/2017	T-2	117	-0.0250	0.0175	1.9497	-0.00056	1.9497	115.0503
28/02/2017	T-1	116	-0.0085	0.0175	1.9497	0.00071	1.9498	114.0502
1/3/2017	T0	112	-0.0345	0.0175	1.9497	-0.00439	1.9497	110.0503
2/3/2017	T1	108	-0.0357	0.0175	1.9497	0.00843	1.9499	106.0501
3/3/2017	T2	119	0.1019	0.0175	1.9497	-0.00315	1.9497	117.0503
6/3/2017	T3	117	-0.0168	0.0175	1.9497	0.00345	1.9498	115.0502
7/3/2017	T4	117	0.0000	0.0175	1.9497	-0.00133	1.9497	115.0503
8/3/2017	T5	113	-0.0342	0.0175	1.9497	-0.00164	1.9497	111.0503
Rata-rata sebelum			-0.0297					
Rata-rata sesudah			0.0030					

ELSA								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	416						
22/02/2017	T-5	412	-0.0096	-0.0064	1.7520	0.0033	1.7520	410.2480
23/02/2017	T-4	414	0.0049	-0.0064	1.7520	0.0026	1.7520	412.2480
24/02/2017	T-3	406	-0.0193	-0.0064	1.7520	0.0024	1.7520	404.2480
27/02/2017	T-2	406	0.0000	-0.0064	1.7520	-0.0006	1.7520	404.2480
28/02/2017	T-1	428	0.0542	-0.0064	1.7520	0.0007	1.7520	426.2480
1/3/2017	T0	414	-0.0327	-0.0064	1.7520	-0.0044	1.7520	412.2480
2/3/2017	T1	412	-0.0048	-0.0064	1.7520	0.0084	1.7520	410.2480
3/3/2017	T2	408	-0.0097	-0.0064	1.7520	-0.0032	1.7520	406.2480
6/3/2017	T3	408	0.0000	-0.0064	1.7520	0.0035	1.7520	406.2480
7/3/2017	T4	406	-0.0049	-0.0064	1.7520	-0.0013	1.7520	404.2480
8/3/2017	T5	404	-0.0049	-0.0034	1.7520	-0.0016	1.7520	402.2480
Rata-rata sebelum			0.0060					
Rata-rata sesudah			-0.0049					

MEDC								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	2610						
22/02/2017	T-5	2510	-0.0383	-0.0040	5.4375	0.0033	5.4375	2504.5625
23/02/2017	T-4	2630	0.0478	-0.0040	5.4375	0.0026	5.4375	2624.5625
24/02/2017	T-3	2630	0.0000	-0.0040	5.4375	0.0024	5.4375	2624.5625
27/02/2017	T-2	2550	-0.0304	-0.0040	5.4375	-0.0006	5.4375	2544.5625
28/02/2017	T-1	2500	-0.0196	-0.0040	5.4375	0.0007	5.4375	2494.5625
1/3/2017	T0	2410	-0.0360	-0.0040	5.4375	-0.0044	5.4376	2404.5624
2/3/2017	T1	2570	0.0664	-0.0040	5.4375	0.0084	5.4375	2564.5625
3/3/2017	T2	2650	0.0311	-0.0040	5.4375	-0.0032	5.4376	2644.5624
6/3/2017	T3	2700	0.0189	-0.0040	5.4375	0.0035	5.4375	2694.5625
7/3/2017	T4	2640	-0.0222	-0.0040	5.4375	-0.0013	5.4375	2634.5625
8/3/2017	T5	2620	-0.0076	-0.0040	5.4375	-0.0016	5.4375	2614.5625
Rata-rata sebelum			-0.0081					
Rata-rata sesudah			0.0173					

RUIS								
DATE	PERIODE	PRICE	ACTUAL	α	β	Rm	E(Rit)	AR
21/02/2017	T-6	230						
22/02/2017	T-5	228	-0.0087	0.0056	-1.849	0.0033	-1.849	229.8487
23/02/2017	T-4	228	0.0000	0.0056	-1.849	0.0026	-1.849	229.8487
24/02/2017	T-3	230	0.0088	0.0056	-1.849	0.0024	-1.849	231.8487
27/02/2017	T-2	230	0.0000	0.0056	-1.849	-0.0006	-1.849	231.8487
28/02/2017	T-1	230	0.0000	0.0056	-1.849	0.0007	-1.849	231.8487
1/3/2017	T0	232	0.0087	0.0056	-1.849	-0.0044	-1.849	233.8487
2/3/2017	T1	230	-0.0086	0.0056	-1.849	0.0084	-1.849	231.8487
3/3/2017	T2	232	0.0087	0.0056	-1.849	-0.0032	-1.849	233.8487
6/3/2017	T3	232	0.0000	0.0056	-1.849	0.0035	-1.849	233.8487
7/3/2017	T4	230	-0.0086	0.0056	-1.849	-0.0013	-1.849	231.8487
8/3/2017	T5	240	0.0435	0.0056	-1.849	-0.0016	-1.849	241.8487
Rata-rata sebelum			0.0000					
Rata-rata sesudah			0.0070					

Lampiran 5. Beta dan Alpha

Coefficients ^a						
Model	Unstandardized Coefficients	Std. Error		Standardized Coefficients Beta	T	Sig.
		1	(Constant)			
	BUMI	0.004627	0.012957	0.118204	0.357116	0.729235

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Std. Error		Standardized Coefficients Beta	t	Sig.
		1	(Constant)			
	ANTM	0.105185	0.056477	0.52744	1.862448	0.09544

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Std. Error		Standardized Coefficients Beta	t	Sig.
		1	(Constant)			
	DOID	-0.00281	0.025537	-0.0366	-0.10988	0.914914

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Std. Error		Standardized Coefficients Beta	t	Sig.
		1	(Constant)			
	DEWA	0.003259	0.009698	0.111301	0.33599	0.744579

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000875	0.00113		0.773899	0.458836
	MDKA	0.015356	0.023547	0.212425	0.652158	0.5306

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000881	0.001164		0.75639	0.468751
	SMRU	0.007331	0.05542	0.044051	0.132282	0.897671

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000901	0.001165		0.772944	0.459373
	TINS	0.000227	0.051669	0.001463	0.004388	0.996595

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000881	0.001152		0.764421	0.464186
	CTTH	-0.0088	0.029974	-0.09744	-0.29372	0.77563

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
	B	Std. Error	Beta			
1	(Constant)	0.000704	0.001162		0.605881	0.559562
	MITI	0.032794	0.047691	0.223418	0.687636	0.509013

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.001128	0.001289		0.874527	0.404564
	HRUM	-0.01888	0.048945	-0.12751	-0.38567	0.708701

a. Dependent Variable: ReturnMarket

Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000714	0.001088		0.656174	0.528129
	ITMG	0.052723	0.044849	0.364843	1.175561	0.269931

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients			Standardized Coefficients	t	Sig.
		Std. Error	Beta			
1	(Constant)	0.000977	0.001078		0.906067	0.388514
	KKGI	0.036369	0.030863	0.365607	1.178404	0.268852

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Standardized Coefficients		t	Sig.	
		Std. Error	Beta			
1	(Constant)	0.000941	0.00114		0.825903	0.430208
	PKPK	-0.0061	0.011155	-0.17921	-0.54648	0.598023

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Standardized Coefficients		t	Sig.	
		Std. Error	Beta			
1	(Constant)	0.000652	0.00117		0.557402	0.590844
	PTRO	0.025823	0.034708	0.240707	0.743996	0.475854

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Standardized Coefficients		t	Sig.	
		Std. Error	Beta			
1	(Constant)	0.001084	0.001178		0.920195	0.381473
	PTBA	0.050761	0.087148	0.190599	0.582473	0.574548

a. Dependent Variable: ReturnMarket

Coefficients ^a						
Model	Unstandardized Coefficients	Standardized Coefficients		t	Sig.	
		Std. Error	Beta			
1	(Constant)	0.000791	0.001263		0.626505	0.546544
	SMMT	-0.01022	0.048403	-0.07017	-0.21104	0.837556

a. Dependent Variable: ReturnMarket

Coefficients ^a					
Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	0.0175	0.0343		0.5089	0.6231
BIPI	1.9497	9.5776	0.0677	0.2036	0.8432
a. Dependent Variable: ReturnMarket					

Coefficients ^a					
Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	-0.0064	0.0035		-1.8533	0.09684
ELSA	1.7520	0.9658	0.5174	1.8141	0.10307
a. Dependent Variable: ReturnMarket					

Coefficients ^a					
Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	-0.0039	0.0097		-0.4102	0.6913
MEDC	5.4375	2.7058	0.5566	2.0096	0.0754
a. Dependent Variable: ReturnMarket					

Coefficients ^a					
Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	0.0056	0.0043		1.3119	0.2220
RUIS	-1.8487	1.2011	-0.4565	-1.5392	0.1581
a. Dependent Variable: ReturnMarket					

Lampiran 6. Rata-rata Actual Return

Hari	BIPI	ELSA	MEDC	RUIS	BUMI	ANTM	DOID
T-5	-0,067	-0,010	-0,038	-0,009	0,252	-0,006	-0,023
T-4	-0,024	0,005	0,048	0,000	-0,022	0,000	-0,015
T-3	-0,024	-0,019	0,000	0,009	-0,078	-0,025	0,047
T-2	-0,025	0,000	-0,030	0,000	-0,030	-0,033	0,104
T-1	-0,009	0,054	-0,020	0,000	-0,012	0,007	-0,047
T0	0	0	0	0	0	0	0
T1	-0,036	-0,005	0,066	-0,009	-0,027	0,027	0,028
T2	0,102	-0,010	0,031	0,009	0,096	-0,019	0,048
T3	-0,017	0,000	0,019	0,000	0,013	0,007	-0,013
T4	0,000	-0,005	-0,022	-0,009	-0,043	-0,013	0,020
T5	-0,034	-0,005	-0,008	0,044	-0,026	-0,027	-0,059

Periode	DEWA	MDKA	SMRU	TINS	CTTH	MITI
T-5	0,346	0,000	0,034	-0,010	-0,096	0,048
T-4	0,114	0,000	-0,013	-0,039	0,047	-0,015
T-3	-0,051	0,055	-0,007	-0,040	0,045	0,031
T-2	-0,027	0,057	0,007	0,011	-0,043	-0,015
T-1	-0,014	-0,045	0,000	0,031	0,000	0,000
T0	0	0	0	0	0	0
T1	-0,030	0,033	0,000	0,010	-0,011	-0,016
T2	0,169	0,041	-0,020	-0,025	-0,011	-0,016
T3	0,013	0,000	0,007	0,020	0,011	0,032
T4	-0,039	-0,009	-0,033	0,005	0,000	0,031
T5	0,000	-0,119	0,041	-0,005	0,022	0,000

Periode	SMMT	HRUM	ITMG	KKGI	PKPK	PTRO	PTBA
T-5	-0,0506	-0,0190	-0,0121	0,0338	-0,0706	-0,0131	-0,0044
T-4	0,0200	0,0037	0,0230	-0,0122	-0,0127	0,0199	0,0089
T-3	-0,0196	0,0373	0,0314	0,0124	0,0769	0,0130	-0,0133
T-2	-0,0067	0,0220	-0,0247	-0,0041	-0,0595	0,0705	-0,0112
T-1	0,0336	-0,0148	0,0476	-0,0041	0,0633	0,0659	0,0136
T0	0	0	0	0	0	0	0
T1	-0,0203	0,0221	0,0257	-0,0088	-0,0375	0,0118	0,0067
T2	-0,0138	0,0580	-0,0237	-0,0622	0,0130	-0,0116	-0,0201
T3	-0,0210	-0,0097	-0,0257	0,0142	-0,0641	0,0000	-0,0205
T4	-0,0143	0,0205	0,0044	0,0561	0,2877	0,0059	0,0186
T5	0,0145	0,0169	-0,0015	0,0177	-0,0745	-0,0117	-0,0137

Lampiran 7. Rata-rata Expected Return

Periode	BIPI	ELSA	MEDC	RUIS	BUMI	ANTM	PTBA
T-5	0,0239	-0,0006	0,0140	-0,0005	0,00089	0,0464	-0,0044
T-4	0,0226	-0,0018	0,0103	0,0008	0,00088	-0,0173	0,0089
T-3	0,0222	-0,0021	0,0093	0,0011	0,00088	0,0294	-0,0133
T-2	0,0164	-0,0074	-0,0071	0,0067	0,00087	-0,0167	-0,0112
T-1	0,0188	-0,0052	-0,0001	0,0043	0,00088	-0,0017	0,0136
T0	0	0	0	0	0	0	0
T1	0,0339	0,0084	0,0418	-0,0099	0,00091	-0,0181	0,0067
T2	0,0113	-0,0119	-0,0211	0,0115	0,00086	-0,0172	-0,0201
T3	0,0242	-0,0004	0,0148	-0,0007	0,00089	0,0303	-0,0205
T4	0,0149	-0,0088	-0,0112	0,0081	0,00087	0,0298	0,0186
T5	0,0143	-0,0063	-0,0129	0,0087	0,00086	-0,0015	-0,0137

Periode	DOID	DEWA	MDKA	SMRU	TINS	CTTH
T-5	-0,0235	0,3443	-0,0009	0,0331	-0,0105	-0,0966
T-4	-0,0163	0,1131	-0,0009	-0,0141	-0,0397	0,0462
T-3	0,0460	-0,0519	0,0544	-0,0076	-0,0413	0,0441
T-2	0,1036	-0,0277	0,0563	0,0058	0,0096	-0,0439
T-1	-0,0482	-0,0146	-0,0459	-0,0009	0,0303	-0,0009
T0	0	0	0	0	0	0
T1	0,0275	-0,0305	0,0319	-0,0009	0,0091	-0,0120
T2	0,0473	0,1679	0,0401	-0,0206	-0,0257	-0,0121
T3	-0,0141	0,0123	-0,0009	0,0058	0,0194	0,0105
T4	0,0191	-0,0396	-0,0096	-0,0342	0,0041	-0,0009
T5	-0,0598	-0,0008	-0,1198	0,0405	-0,0059	0,0225

Periode	MITI	SMMT	HRUM	ITMG	KKGI	PKPK	PTRO
T-5	0,0476	-0,0506	-0,0190	-0,0121	0,0338	-0,0706	-0,0131
T-4	-0,0162	0,0200	0,0037	0,0230	-0,0122	-0,0127	0,0199
T-3	0,0306	-0,0196	0,0373	0,0314	0,0124	0,0769	0,0130
T-2	-0,0159	-0,0067	0,0220	-0,0247	-0,0041	-0,0595	0,0705
T-1	-0,0006	0,0336	-0,0148	0,0476	-0,0041	0,0633	0,0659
T0	0	0	0	0	0	0	0
T1	-0,0162	-0,0203	0,0221	0,0257	-0,0088	-0,0375	0,0118
T2	-0,0167	-0,0138	0,0580	-0,0237	-0,0622	0,0130	-0,0116
T3	0,0316	-0,0210	-0,0097	-0,0257	0,0142	-0,0641	0,0000
T4	0,0306	-0,0143	0,0205	0,0044	0,0561	0,2877	0,0059
T5	0,0000	0,0145	0,0169	-0,0015	0,0177	-0,0745	-0,0117

Lampiran 8. Rata-Rata Abnormal Return

Periode	BIPI	ELSA	MEDC	RUIS	BUMI	ANTM	DOID
T-5	-0,09059	-0,009	-0,0523	-0,0082	0,2508	0,0464	-0,0235
T-4	-0,04639	0,00667	0,0375	-0,0008	-0,0226	-0,0173	-0,0163
T-3	-0,04663	-0,0172	-0,0093	0,0077	-0,0787	0,0294	0,0460
T-2	-0,04136	0,0074	-0,0234	-0,0067	-0,0310	-0,0167	0,1036
T-1	-0,02739	0,05936	-0,0195	-0,0043	-0,0133	-0,0017	-0,0482
T0	0	0	0	0	0	0	0
T1	-0,06961	-0,01318	0,0245	0,0013	-0,0276	-0,0181	0,0275
T2	0,09053	0,00222	0,0522	-0,0028	0,0950	-0,0172	0,0473
T3	-0,041	0,00037	0,0041	0,0007	0,0116	0,0303	-0,0141
T4	-0,01487	0,00384	-0,011	-0,0167	-0,0441	0,0298	0,0191
T5	-0,04845	0,00138	0,0053	0,0348	-0,0267	-0,0015	-0,0598

Periode	DEWA	MDKA	SMRU	TINS	CTTH	MITI
T-5	0,3443	-0,0009	0,0331	-0,0105	-0,0966	0,0476
T-4	0,1131	-0,0009	-0,0141	-0,0397	0,0462	-0,0162
T-3	-0,0519	0,0544	-0,0076	-0,0413	0,0441	0,0306
T-2	-0,0277	0,0563	0,0058	0,0096	-0,0439	-0,0159
T-1	-0,0146	-0,0459	-0,0009	0,0303	-0,0009	-0,0006
T0	0	0	0	0	0	0
T1	-0,0305	0,0319	-0,0009	0,0091	-0,0120	-0,0162
T2	0,1679	0,0401	-0,0206	-0,0257	-0,0121	-0,0167
T3	0,0123	-0,0009	0,0058	0,0194	0,0105	0,0316
T4	-0,0396	-0,0096	-0,0342	0,0041	-0,0009	0,0306
T5	-0,0008	-0,1198	0,0405	-0,0059	0,0225	0,0000

Periode	HRUM	ITMG	KKGI	PKPK	PTRO	PTBA	SMMT
T-5	-0,0200	-0,0130	0,0327	-0,0715	-0,0138	-0,0057	-0,0514
T-4	0,0037	0,0221	-0,0133	-0,0136	0,0192	0,0077	0,0192
T-3	0,0373	0,0308	0,0114	0,0760	0,0123	-0,0143	-0,0204
T-2	0,0220	-0,0254	-0,0051	-0,0605	0,0698	-0,0123	-0,0075
T-1	-0,0148	0,0471	-0,0049	0,0623	0,0653	0,0127	0,0327
T0	0	0	0	0	0	0	0
T1	0,0221	0,0252	-0,0097	-0,0385	0,0112	0,0058	-0,0211
T2	0,0580	-0,0246	-0,0633	0,0121	-0,0124	-0,0213	-0,0145
T3	-0,0097	-0,0263	0,0133	-0,0651	-0,0006	-0,0215	-0,0218
T4	0,0205	0,0038	0,0552	0,2867	0,0053	0,0176	-0,0151
T5	0,0169	-0,0015	0,0177	-0,0745	-0,0117	-0,0137	0,0145

Lampiran 9. Hasil Uji Statistic Descriptif

Descriptive Statistics					
	N	Minimum	Maximum	Mean	std deviation
ArSebelum	100	-0,0966025	0,34425174	0,006267	0,0560943
Arsesudah	100	-0,1197924	0,28671981	0,003721	0,0458773
Valid N (listwise)	100				

Lampiran 10. Hasil Uji Normalitas

One-Sample Kolmogorov-Smirnov Test			
		ArSebelum	ArSesudah
N		100	100
Normal Parameters ^a	Mean	0,00626684	0,003721
	Std. Deviation	0,05609434	0,0458773
Most Extreme Differences	Absolute	0,16843552	0,16
	Positive	0,16843552	0,16
	Negative	-0,1260471	-0,134
Kolmogorov-Smirnov Z		1,68435522	1,598
Asymp. Sig. (2-tailed)		0,007	0,012
a. Test distribution is Normal.			

Lampiran 11. Hasil Uji Wilcoxon Signed Rank Test Abnormal return.

		Ranks		
		N	Mean Rank	Sum of Ranks
Arsesudah - ArSebelum	Negative Ranks	48	53,0625	2547
	Positive Ranks	52	48,1346154	2503
Ties		0		
Total		100		

Lampiran 15. Tabel Nilai Kritis Wilcoxon

Tabel Nilai Kritis Wilcoxon

n	Uji Satu Arah						
	0.150	0.100	0.050	0.040	0.030	0.020	0.010
	0.075	0.050	0.025	0.020	0.015	0.010	0.005
4	0						
5	1	0					
6	2	2	0	0			
7	4	3	2	1	0	0	
8	7	5	3	3	2	1	0
9	9	8	5	5	4	3	1
10	12	10	8	7	6	5	3
11	16	13	10	9	8	7	5
12	19	17	13	12	11	9	7
13	24	21	17	16	14	12	9
14	28	25	21	19	18	15	12
15	33	30	25	23	21	19	15
16	39	35	29	28	26	23	19
17	45	41	34	33	30	27	23
18	51	47	40	38	35	32	27
19	58	53	46	43	41	37	32
20	65	60	52	50	47	43	37
21	73	67	58	56	53	49	42
22	81	75	65	63	59	55	48
23	89	83	73	70	66	62	54
24	98	91	81	78	74	69	61
25	108	100	89	86	82	76	68
26	118	110	98	94	90	84	75
27	128	119	107	103	99	92	83
28	138	130	116	112	108	101	91
29	150	140	126	122	117	110	100
30	161	151	137	132	127	120	109
31	173	163	147	143	137	130	118
32	186	175	159	154	148	140	128
33	199	187	170	165	159	151	138
34	212	200	182	177	171	162	148
35	226	213	195	189	182	173	159
40	302	286	264	257	249	238	220
50	487	466	434	425	413	397	373
60	718	690	648	636	620	600	567
70	995	960	907	891	872	846	805
80	1318	1276	1211	1192	1168	1136	1086
90	1688	1638	1560	1537	1509	1471	1410
100	2105	2045	1955	1928	1894	1850	1779