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LAMPIRAN

PENGUMUMAN

SAHAM EMITEN YANG MASUK DALAM PENGHITUNGAN INDEKS LQ45

No. Peng-13/BEJ-DAG/U/01-2003

Menunjuk Pengumuman PT Bursa Efek Jakarta No. Peng-114/BEJ I/U/1997 tanggal 6 Pebruari 1997 perihal : Indeks Likuiditas Bursa Efek Jakarta (Indeks LQ45), dengan ini kami sampaikan hal-hal sebagai berikut :

1. Berdasarkan hasil evaluasi kami terhadap saham Perusahaan Tercatat yang masuk dalam penghitungan Indeks LQ45 yang didasarkan pada **tolok ukur likuiditas dan kapitalisasi pasar**, maka beberapa saham Perusahaan Tercatat yang masuk dalam penghitungan Indeks LQ45 periode bulan Agustus 2002 s.d. Januari 2003 mengalami perubahan sebagaimana tercantum dalam lampiran Pengumuman ini
2. Perubahan tersebut pada butir 1 di atas berlaku untuk periode bulan Pebruari 2003 s.d. Juli 2003.
3. Perubahan komposisi Indeks LQ45 mulai diberlakukan tanggal 3 Pebruari 2003 yang sekaligus mencabut Pengumuman PT Bursa Efek Jakarta No. 156/BEJ-DAG/U/07-2002 tanggal 29 Juli 2003.

Demikian agar maklum.

Jakarta, 30 Januari 2003
PT BURSA EFEK JAKARTA

Kandi Sofia S. Dahlan
Kadiv. Riset dan Pengembangan

Sriyati Hutauruk
Kadiv. Perdagangan

Tembusan Yth.

1. Ketua Badan Pengawas Pasar Modal;
2. Kepala Biro TLE, Bapepam;
3. Kepala Biro PIR, Bapepam;
4. Pusat Referensi Pasar Modal;
5. Direksi Anggota Bursa Efek Jakarta;
6. Direksi Perusahaan Tercatat yang terkait;
7. Direksi PT Bursa Efek Surabaya;
8. Direksi PT Kliring Penjaminan Efek Indonesia;
9. Direksi PT Kustodian Sentral Efek Indonesia;
10. Komisaris Utama PT Bursa Efek Jakarta.

R & P. WAS. KP. CAI

**DAFTAR SAHAM PERUSAHAAN TERCATAT
YANG MASUK DALAM PENGHITUNGAN INDEKS LQ 45**

Periode Pebruari 2003 s.d. Juli 2003

(lampiran Pengumuman BEJ No Peng-13/BEJ-DAG/U/01-2003 tanggal 30 Januari 2003)

No.	Kode	Nama Perusahaan (PT)	Keterangan
1.	AALI	Astra Agro Lestari Tbk	
2.	ANTM	Aneka Tambang (Persero) Tbk	
3.	APEX	Apexindo Pratama Duta Tbk	baru
4.	ASGR	Astra Graphia Tbk	
5.	ASII	Astra International Tbk	
6.	AUTO	Astra Otoparts Tbk	
7.	BBCA	Bank Central Asia Tbk	
8.	BBNI	Bank Negara Indonesia Tbk	
9.	BIIT	Bhakti Investama Tbk	
10.	BLTA	Berlian Laju Tanker Tbk	
11.	BMTR	Bimantara Citra Tbk	
12.	DNKS	Dankos Laboratories Tbk	
13.	DYNA	Dynaplast Tbk	baru
14.	GGRM	Gudang Garam Tbk	
15.	GJTL	Gajah Tunggal Tbk	
16.	HITS	Humpuss Intermoda Transportasi Tbk	baru
17.	HMSP	HM Sampoerna Tbk	
18.	IDSR	Indosiar Visual Mandiri Tbk	
19.	INAF	Indofarma Tbk	
20.	INDF	Indofood Sukses Makmur Tbk	
21.	INDR	Indorama Syntetics Tbk	
22.	INKP	Indah Kiat Pulp & Paper Tbk	baru
23.	INTP	Indocement Tunggak Prakasa Tbk	
24.	ISAT	Indosat Tbk	
25.	JAKA	Jaka Artha Graha Tbk	
26.	JIHD	Jakarta Int'l Hotel & Dev. Tbk	
27.	KAEF	Kimia Farma Tbk	
28.	KLBF	Kalbe Farma Tbk	
29.	LMAS	Limas Stokhomindo Tbk	baru
30.	MEDC	Medco Energi International Tbk	
31.	MLPL	Multipolar Tbk	
32.	MPPA	Matahari Putra Prima Tbk	
33.	MTDL	Metrodata Electronics Tbk	
34.	PNBN	Bank Pan Indonesia Tbk	
35.	RALS	Ramayana Lestari Sentosa Tbk	
36.	RMBA	Bentoel International Investama Tbk	

37.	SCMA	Surya Citra Media Tbk	baru
38.	SMCB	Semen Cibinong Tbk	
39.	SMGR	Semen Gresik (Persero) Tbk	
40.	TINS	Timah Tbk	

**DAFTAR SAHAM PERUSAHAAN TERCATAT
YANG MASUK DALAM PENGHITUNGAN INDEKS LQ 45**

Periode Pebruari 2003 s.d. Juli 2003

(lampiran Pengumuman BEJ No. Peng-13/BEJ-DAG/U/01-2003 tanggal 30 Januari 2003)

No.	Kode	Nama Perusahaan (PT)	Keterangan
41.	TLKM	Telekomunikasi Indonesia Tbk	
42.	TSPC	Tempo Scan Pacific Tbk	
43.	TURI	Tunas Ridean Tbk	
44.	UNTR	United Tractors Tbk	
45.	UNVR	Unilever Indonesia Tbk	

Div. Perdagangan & Div. Riset & Pengembangan

LAMPIRAN I

DAFTAR RANGKING TOTAL FREKUENSI SAHAM I.Q-45 (PERIODE FEB - JULI 2003)

NO	KODE	NAMA PERUSAHAAN	TOTAL FREQ
1	TLKM	TELEKOMUNIKASI INDONESIA TBK	65.015
2	ASII	ASTRA INTERNATIONAL TBK	51.195
3	INKP	INDAH KIAT PULP & PAPER TBK	44.743
4	BBCA	BANK CENTRAL ASIA TBK	42.538
5	ISAT	INDOSAT TBK	36.311
6	HMSP	H M SAMPOERNA TBK	35.033
7	GJTL	GAJAH TUNGGAL TBK	31.085
8	UNTR	UNITED TRACTORS TBK	30.159
9	SMCB	SEMEN CIBINONG TBK	29.734
10	AAIJ	ASTRA AGRO LESTARI TBK	25.464
11	PNBN	PANIN BANK TBK	24.123
12	JAKA	JAKA ARTHA GRAHA TBK	23.302
13	LMAS	LIMAS STOKHOMINDO TBK	21.778
14	GGRM	GUDANG GARAM TBK	21.458
15	KLBF	KALBE FARMA TBK	19.357
16	MLPL	MULTIPOLAR TBK	18.839
17	INDF	INDOFOOD SUKSES MAKMUR TBK	18.768
18	BBNI	BANK NEGARA INDONESIA TBK	17.789
19	ASGR	ASTRA GRAPHIA TBK	15.506
20	RMBA	RIMBA NIAGA IDOLA TBK	12.110
21	MPPA	MATAHARI PUTRA PRIMA TBK	10.889
22	SCMA	SURYA CITRA MEDIA TBK	9.521
23	INAF	INDOFARMA TBK	9.337
24	INTP	INDOCEMENT TUNGGAL PERKASA TBK	8.964
25	TSPC	TEMPO SCAN PACIFIC TBK	8.760
26	RALS	RAMAYANA LESTARI SENTOSA TBK	8.394
27	ANTM	ANEKA TAMBANG (PERSERO) TBK	8.345
28	DNKS	DANKOS LABORATORIES TBK	8.051
29	KAEF	KIMIA FARMA TBK	7.917
30	AUTO	ASTRA OTOPARTS TBK	7.236
31	SMGR	SEMEN GRESIK TBK	6.510
32	INDR	INDORAMA SYNTETICS TBK	6.339
33	MEDC	MEDCO ENERGI CORPORATION TBK	6.328
34	JHD	JAKARTA INT L HOTEL & DEV. TBK	6.148
35	MTDL	METRODATA ELECTRONICS TBK	6.113
36	DYNA	DYNAPLAST TBK	6.105
37	TINS	TAMBANG TIMAH (PERSERO) TBK	5.770
38	TURI	TUNAS RIDEAN TBK	5.336
39	UNVR	UNILEVER INDONESIA TBK	5.173
40	IDSR	INDOSIAR VISUAL TBK	4.545
41	APEX	APEXINDO PRATAMA DUTA TBK	2.909
42	BLTA	BERLIAN LAJU TANKER TBK	2.382
43	BHIT	BHAKTI INVESTAMA TBK	2.244
44	BMTR	BIMANTARA CITRA TBK	1.696
45	HITS	HUMPUSS INTERMODA TRANSPORTASI	588

LAMPIRAN 2

DAFTAR SAMPEL PENELITIAN (30 SAHAM TOP FREKUENSI)

NO	KODE	NAMA PERUSAHAAN	TOTAL FREQ
1	AALI	ASTRA AGRO LESTARI TBK	25.464
2	ANTM	ANEKA TAMBANG (PERSERO) TBK	8.345
3	ASGR	ASTRA GRAPHIA TBK	15.506
4	ASII	ASTRA INTERNATIONAL TBK	51.195
5	AUTO	ASTRA OTOPARTS TBK	7.236
6	BBCA	BANK CENTRAL ASIA TBK	42.538
7	BBNI	BANK NEGARA INDONESIA TBK	17.789
8	DNKS	DANKOS LABORATORIES TBK	8.051
9	GGRM	GUDANG GARAM TBK	21.458
10	GJTL	GAJAH TUNGGAL TBK	31.085
11	HMSP	H M SAMPOERNA TBK	35.033
12	INAF	INDOFARMA TBK	9.337
13	INDF	INDOFOOD SUKSES MAKMUR TBK	18.768
14	INKP	INDAH KIAT PULP & PAPER TBK	44.743
15	INTP	INDOCEMENT TUNGGAL PERKASA TBK	8.964
16	ISAT	INDOSAT TBK	36.311
17	KAEF	KIMIA FARMA TBK	7.917
18	KLBF	KALBE FARMA TBK	19.357
19	LMAS	LIMAS STOKHOMINDO TBK	21.778
20	MLPL	MULTIPOLAR TBK	18.839
21	MPPA	MATAHARI PUTRA PRIMA TBK	10.889
22	PNBN	PANIN BANK TBK	24.123
23	RAIS	RAMAYANA LESTARI SENTOSA TBK	8.394
24	RMBA	RIMBA NIAGA IDOLA TBK	12.110
25	SCMA	SURYA CITRA MEDIA TBK	9.521
26	SMCB	SEMEN CIBINONG TBK	29.734
27	SMGR	SEMEN GRESIK TBK	23.302
28	TLKM	TELEKOMUNIKASI INDONESIA TBK	65.015
29	TSPC	TEMPO SCAN PACIFIC TBK	8.760
30	UNTR	UNITED TRACTORS TBK	30.159

LAMPIRAN 3

DAFTAR CLOSING PRICE SAMPEL PENELITIAN

HARI	TGL	AALI	ANTM	ASGR	ASII	AUTO	BBCA	BBNI	DNKS	GGRM	GJTL
1	01/11/2002	1275	415	260	2075	1250	1900	105	355	7250	210
2	04/11/2002	1325	425	265	2100	1275	1975	110	370	7700	225
3	05/11/2002	1250	420	265	2050	1250	1975	105	365	7350	225
4	06/11/2002	1275	410	255	1925	1200	1975	105	355	7200	220
5	07/11/2002	1225	405	255	1900	1200	1975	105	365	7200	220
6	08/11/2002	1225	385	255	1825	1175	1875	105	390	7200	220
7	11/11/2002	1175	390	255	1825	1200	1800	105	385	7050	215
8	12/11/2002	1250	390	260	1925	1200	1850	105	380	7100	220
9	13/11/2002	1325	405	260	1875	1200	1825	100	380	7200	220
10	14/11/2002	1325	430	260	1900	1225	1900	100	385	7250	220
11	15/11/2002	1325	415	260	1925	1225	1900	100	385	7300	220
12	18/11/2002	1225	410	250	1725	1200	1875	100	385	7300	215
13	19/11/2002	1225	410	250	1725	1200	1875	100	385	7300	215
14	20/11/2002	1275	415	245	1975	1200	1875	105	400	7450	215
15	21/11/2002	1250	415	250	2025	1200	1875	105	390	7450	215
16	22/11/2002	1275	425	260	2450	1250	1900	105	400	7500	220
17	25/11/2002	1275	470	255	2575	1250	2000	105	410	7450	215
18	26/11/2002	1275	450	250	2400	1200	2025	100	400	7400	220
19	27/11/2002	1275	435	250	2450	1225	2000	105	390	7400	220
20	28/11/2002	1275	435	255	2500	1250	2100	105	390	7650	220
21	29/11/2002	1250	435	250	2500	1275	2075	100	370	7650	220
22	02/12/2002	1250	440	245	2500	1275	2075	105	380	7650	225
23	03/12/2002	1325	445	255	2750	1275	2200	105	390	7700	220
24	04/12/2002	1375	440	250	2675	1275	2150	105	390	7500	225
25	11/12/2002	1450	485	245	2625	1250	2150	100	390	7400	220
26	12/12/2002	1425	480	250	2600	1275	2200	100	385	7500	220
27	13/12/2002	1400	475	245	2525	1275	2175	100	380	7450	215
28	16/12/2002	1325	505	245	2400	1275	2275	100	380	7400	215
29	17/12/2002	1350	650	245	2625	1275	2400	100	390	7500	215
30	18/12/2002	1425	575	250	2800	1300	2375	100	405	7900	210
31	19/12/2002	1650	575	285	3250	1400	2350	105	415	8000	230
32	20/12/2002	1675	600	280	3325	1400	2475	105	420	8100	230
33	23/12/2002	1625	625	285	3475	1375	2550	105	405	8050	230
34	27/12/2002	1550	600	275	3150	1400	2500	110	400	8300	230
35	02/01/2003	1550	575	260	2925	1300	2325	105	390	7900	215
36	03/01/2003	1600	600	265	3150	1300	2275	105	385	7850	220
37	06/01/2003	1575	600	250	3125	1275	2300	100	385	7550	210
38	07/01/2003	1625	600	245	3000	1225	2250	100	385	7450	215
39	08/01/2003	1625	575	235	2600	1200	2200	95	380	7350	215
40	09/01/2003	1700	575	250	2850	1225	2325	100	385	7350	215
41	10/01/2003	1650	575	250	2300	1225	2300	95	390	7350	220
42	13/01/2003	1700	625	250	2200	1250	2225	100	390	7400	220
43	14/01/2003	1775	725	265	2325	1325	2350	100	405	7850	225
44	15/01/2003	1800	725	260	2375	1275	2300	100	405	7900	225
45	16/01/2003	1800	725	280	2400	1300	2250	100	405	7700	225
46	17/01/2003	1775	750	280	2425	1300	2300	100	400	7750	225

47	20/01/2003	1750	725	275	2425	1275	2325	100	405	7750	225
48	21/01/2003	1750	700	270	2350	1300	2350	100	405	7700	220
49	22/01/2003	1750	725	270	2425	1250	2375	100	400	7700	215
50	23/01/2003	1775	825	270	2450	1250	2500	100	405	7500	215
51	24/01/2003	1750	800	265	2350	1275	2550	100	400	7450	215
52	27/01/2003	1725	750	255	2200	1275	2450	95	390	7400	210
53	28/01/2003	1725	750	265	2150	1250	2425	95	395	7600	210
54	29/01/2003	1700	750	255	2100	1250	2375	95	385	7400	215
55	30/01/2003	1775	750	255	2075	1225	2350	100	395	7400	215
56	31/01/2003	1725	700	255	2100	1175	2250	95	395	7400	215
57	03/02/2003	1750	725	255	2250	1200	2300	95	395	7350	215
58	04/02/2003	1750	725	260	2400	1225	2450	95	395	7400	210
59	05/02/2003	1750	825	255	2400	1225	2450	95	400	7400	210
60	06/02/2003	1725	875	260	2425	1250	2450	95	405	7350	210
61	07/02/2003	1750	800	255	2450	1250	2450	95	400	7350	210
62	10/02/2003	1725	775	255	2375	1275	2475	100	405	7450	210
63	11/02/2003	1725	825	255	2350	1275	2450	95	405	7550	210
64	13/02/2003	1725	775	260	2400	1275	2475	95	405	7550	210
65	14/02/2003	1700	800	260	2400	1275	2450	95	400	7600	220
66	17/02/2003	1700	775	270	2425	1275	2525	100	410	7750	225
67	18/02/2003	1675	725	260	2450	1275	2525	100	415	7650	225
68	19/02/2003	1600	725	260	2400	1275	2525	95	420	7600	220
69	20/02/2003	1500	725	255	2325	1275	2500	100	420	7600	220
70	21/02/2003	1500	725	255	2375	1275	2525	95	425	7600	220
71	24/02/2003	1500	750	260	2400	1250	2575	95	420	7550	205
72	25/02/2003	1500	750	250	2350	1250	2525	95	420	7500	210
73	26/02/2003	1475	825	250	2250	1250	2475	100	470	7500	210
74	27/02/2003	1425	800	255	2300	1225	2500	95	455	7550	210
75	28/02/2003	1375	800	255	2350	1225	2475	100	465	7550	210
76	04/03/2003	1350	800	250	2350	1250	2375	95	470	7550	215
77	05/03/2003	1325	800	255	2300	1250	2325	95	470	7500	215
78	06/03/2003	1375	825	255	2325	1300	2400	100	470	7450	225
79	07/03/2003	1325	800	250	2325	1250	2250	100	455	7400	225
80	10/03/2003	1250	800	250	2275	1250	2200	95	440	7400	215
81	11/03/2003	1150	775	240	2275	1200	2150	95	420	7350	215
82	12/03/2003	1225	775	245	2300	1250	2125	100	440	7450	215
83	13/03/2003	1225	750	250	2325	1250	2150	95	445	7400	215
84	14/03/2003	1300	750	245	2325	1250	2175	95	455	7450	220
85	17/03/2003	1225	750	245	2325	1250	2075	95	445	7350	215
86	18/03/2003	1250	775	245	2325	1225	2075	90	450	7350	215
87	19/03/2003	1275	750	245	2300	1250	2100	95	455	7350	215
88	20/03/2003	1325	750	255	2400	1275	2250	95	460	7500	220
89	21/03/2003	1325	750	255	2450	1275	2225	95	500	7450	215
90	24/03/2003	1325	725	255	2425	1275	2225	95	475	7500	220
91	25/03/2003	1325	725	250	2475	1275	2250	95	510	7450	220
92	26/03/2003	1325	750	260	2475	1275	2350	100	525	7500	220
93	27/03/2003	1325	775	295	2575	1275	2350	100	500	7450	215
94	28/03/2003	1325	800	285	2600	1275	2275	95	500	7500	220
95	31/03/2003	1300	800	270	2500	1250	2200	95	500	7400	215
96	01/04/2003	1300	775	270	2550	1250	2225	90	475	7400	210
97	03/04/2003	1325	750	275	2600	1275	2250	95	510	7450	220
98	04/04/2003	1350	725	280	2725	1300	2300	95	575	7650	225

99	07/04/2003	1425	750	290	3000	1350	2450	100	600	8000	235
100	08/04/2003	1400	750	285	2950	1350	2350	95	600	8050	230
101	09/04/2003	1400	750	300	3000	1500	2425	100	575	8250	245
102	10/04/2003	1400	750	300	3050	1500	2400	95	575	8400	245
103	11/04/2003	1400	750	300	3050	1500	2325	95	625	8550	255
104	14/04/2003	1400	750	290	3000	1475	2250	95	600	8400	255
105	15/04/2003	1375	750	295	3025	1525	2325	95	650	8350	245
106	16/04/2003	1450	750	305	3150	1600	2400	95	700	8550	255
107	17/04/2003	1425	725	310	3125	1575	2425	105	725	8700	265
108	21/04/2003	1425	725	315	3100	1550	2500	105	725	8800	270
109	22/04/2003	1450	725	295	3050	1475	2475	100	700	8750	270
110	23/04/2003	1550	750	360	3050	1500	2500	105	725	8800	285
111	24/04/2003	1500	750	345	3100	1550	2500	100	700	8700	290
112	25/04/2003	1475	750	325	2925	1475	2450	100	700	8600	290
113	28/04/2003	1475	725	330	2875	1475	2350	100	700	8500	290
114	29/04/2003	1525	725	360	3050	1525	2450	100	700	8550	300
115	30/04/2003	1525	725	355	3025	1500	2425	100	700	8650	300
116	01/05/2003	1525	725	355	3050	1525	2425	115	700	8650	305
117	02/05/2003	1575	825	345	3025	1500	2425	115	725	8400	305
118	05/05/2003	1600	875	355	3125	1550	2550	110	775	8600	310
119	06/05/2003	1600	850	360	3275	1575	2475	130	775	8950	305
120	07/05/2003	1625	800	360	3475	1600	2525	135	750	9200	305
121	08/05/2003	1575	800	355	3450	1550	2525	130	750	9200	290
122	09/05/2003	1575	825	350	3400	1575	2525	125	750	9350	290
123	12/05/2003	1575	850	355	3425	1575	2575	120	775	9450	280
124	13/05/2003	1575	850	345	3400	1575	2600	120	750	9350	275
125	14/05/2003	1550	850	340	3250	1550	2550	115	750	9250	270
126	19/05/2003	1475	850	315	3050	1525	2500	110	775	8850	255
127	20/05/2003	1500	825	335	3200	1525	2525	115	750	9350	280
128	21/05/2003	1525	825	330	3175	1525	2500	115	775	9200	295
129	22/05/2003	1525	800	345	3250	1500	2500	120	750	9300	295
130	23/05/2003	1550	800	345	3350	1525	2550	120	750	9550	310
131	26/05/2003	1550	800	360	3550	1525	2600	135	800	9450	310
132	27/05/2003	1550	800	355	3600	1550	2575	130	775	9500	315
133	28/05/2003	1575	850	360	3625	1575	2625	140	850	9750	320
134	29/05/2003	1600	825	360	3600	1575	2650	135	825	10000	310
135	02/06/2003	1650	875	365	3625	1575	2750	145	850	10250	305
136	03/06/2003	1625	875	360	3550	1500	2700	145	875	10100	325
137	04/06/2003	1625	900	370	3575	1525	2725	170	925	10450	380
138	05/06/2003	1625	875	375	3600	1550	2775	180	975	10400	365
139	06/06/2003	1575	900	375	3650	1550	2725	180	950	10550	400
140	09/06/2003	1600	875	390	3750	1575	2725	190	950	10700	390
141	10/06/2003	1600	875	385	3725	1600	2725	210	950	10600	390
142	11/06/2003	1575	850	370	3625	1550	2700	225	925	10500	370
143	12/06/2003	1550	825	365	3575	1475	2725	205	925	10200	395
144	13/06/2003	1525	850	370	3625	1500	2675	215	950	10400	415
145	16/06/2003	1500	850	370	3675	1500	2700	220	950	10750	410
146	17/06/2003	1450	850	360	3525	1375	2725	210	1000	10700	400
147	18/06/2003	1375	800	345	3525	1350	2675	205	1025	10550	390
148	19/06/2003	1425	825	355	3650	1400	2725	205	1200	10600	400
149	20/06/2003	1475	850	355	3700	1425	2825	205	1075	10600	395
150	23/06/2003	1450	825	350	3650	1400	2900	205	1025	10550	385

151	24/06/2003	1425	800	340	3550	1375	2875	205	1000	10400	375
152	25/06/2003	1425	800	340	3500	1375	2825	205	1000	10300	375
153	26/06/2003	1400	825	330	3550	1300	2850	195	1000	10200	380
154	27/06/2003	1375	800	330	3650	1300	2825	200	1000	10300	395
155	30/06/2003	1400	825	325	3575	1300	2875	195	1000	10200	380
156	01/07/2003	1350	800	315	3600	1275	2875	180	1000	10250	380
157	02/07/2003	1375	800	320	3650	1300	2875	185	975	10450	390
158	03/07/2003	1375	800	325	3575	1250	2900	190	975	10700	400
159	04/07/2003	1400	800	320	3575	1250	2900	190	975	10550	395
160	07/07/2003	1400	800	335	3650	1275	2900	195	975	10600	420
161	08/07/2003	1425	775	340	3800	1325	3000	210	975	10650	440
162	09/07/2003	1400	800	345	3825	1375	2975	205	975	10650	460
163	10/07/2003	1375	800	340	3850	1375	2975	205	1025	10600	450
164	11/07/2003	1375	775	350	4100	1425	3025	210	1025	10650	460
165	14/07/2003	1400	800	355	4250	1450	3050	190	1050	10550	450
166	15/07/2003	1400	775	345	4250	1400	3050	180	1025	10500	465
167	16/07/2003	1350	750	335	3975	1400	3000	175	1000	10250	465
168	17/07/2003	1375	775	340	3875	1400	2875	175	1025	10350	460
169	18/07/2003	1375	750	340	3900	1400	2850	180	1050	10300	465
170	21/07/2003	1375	750	335	3925	1375	2850	170	1100	10200	460
171	22/07/2003	1350	750	330	3900	1325	2825	170	1075	10200	450
172	23/07/2003	1350	775	325	3850	1375	2700	160	1075	10050	455
173	24/07/2003	1350	775	315	3750	1350	2700	155	1025	9800	450
174	25/07/2003	1325	775	320	3750	1350	2825	170	1050	9850	460
175	28/07/2003	1350	800	315	3750	1375	2900	165	1025	10000	455
176	29/07/2003	1375	825	320	3750	1375	2875	160	1025	9900	445
177	30/07/2003	1375	850	320	3825	1325	2800	165	1025	9950	445

HARI	TGL	HMSP	INAF	INDF	INKP	INTP	ISAT	KAEF	KLBF	LMAS	MLPL
1	01/11/2002	3000	255	625	120	650	8000	160	240	600	165
2	04/11/2002	3200	275	675	130	700	8350	185	260	600	180
3	05/11/2002	3000	265	625	125	675	8250	175	250	625	180
4	06/11/2002	2950	255	600	125	675	8250	175	250	650	175
5	07/11/2002	2900	255	600	125	650	8500	170	250	700	170
6	08/11/2002	2900	260	600	120	625	8050	170	250	675	170
7	11/11/2002	2850	260	575	120	600	7950	170	255	750	165
8	12/11/2002	2925	255	600	120	600	8000	165	260	825	170
9	13/11/2002	2925	255	600	120	600	7700	170	250	800	170
10	14/11/2002	2925	260	600	115	625	7800	170	250	875	170
11	15/11/2002	3100	260	600	120	625	7950	170	250	825	165
12	18/11/2002	2950	260	1200	230	600	7950	170	240	1600	165
13	19/11/2002	2950	260	600	115	600	7950	170	240	800	165
14	20/11/2002	3000	265	600	115	600	8050	175	250	775	165
15	21/11/2002	3025	265	600	115	600	8000	170	255	725	165
16	22/11/2002	3150	265	600	120	625	8050	175	260	725	175
17	25/11/2002	3100	260	550	120	625	8000	175	260	750	170
18	26/11/2002	3200	260	550	135	650	8000	175	265	725	170
19	27/11/2002	3150	265	575	135	700	8100	170	260	775	170
20	28/11/2002	3150	265	575	135	700	8100	175	260	800	170
21	29/11/2002	3175	265	575	140	700	8350	170	260	825	165
22	02/12/2002	3100	260	575	140	700	8500	170	260	850	165
23	03/12/2002	3175	265	575	145	725	8650	170	265	900	170
24	04/12/2002	3125	260	575	155	700	8800	170	265	950	170
25	11/12/2002	3050	255	575	155	700	8600	165	260	925	165
26	12/12/2002	3050	250	575	150	675	8700	170	255	925	165
27	13/12/2002	3050	230	600	145	650	8600	165	255	900	165
28	16/12/2002	3100	230	600	155	650	8900	160	250	975	165
29	17/12/2002	3275	235	575	155	675	8800	165	260	1025	170
30	18/12/2002	3325	240	575	155	700	8750	170	265	1050	170
31	19/12/2002	3475	255	625	160	750	9100	200	285	1100	180
32	20/12/2002	3450	250	625	150	700	9300	195	280	1100	180
33	23/12/2002	3450	245	600	145	700	9150	185	280	1125	180
34	27/12/2002	3700	240	600	145	675	9250	185	275	1125	170
35	02/01/2003	3450	230	575	140	625	8800	175	260	1100	160
36	03/01/2003	3300	235	575	135	625	8750	175	265	1075	165
37	06/01/2003	3200	230	575	130	625	8300	165	250	1025	160
38	07/01/2003	3175	230	550	125	650	8200	165	250	1025	160
39	08/01/2003	3050	225	575	125	600	8150	165	245	1000	150
40	09/01/2003	3175	230	575	135	625	8350	170	255	1025	150
41	10/01/2003	3575	230	575	135	650	8250	165	260	1000	150
42	13/01/2003	3375	230	575	140	625	8250	165	265	925	155
43	14/01/2003	3400	235	600	145	650	8500	175	285	975	160
44	15/01/2003	3400	230	575	150	650	8400	170	275	1000	155
45	16/01/2003	3225	225	575	145	625	8250	170	270	950	155
46	17/01/2003	3250	225	625	145	625	8250	170	270	1000	155
47	20/01/2003	3325	225	625	155	625	8250	170	270	1025	150
48	21/01/2003	3325	220	600	160	625	8250	170	275	1050	150
49	22/01/2003	3325	225	575	155	625	8200	165	275	1075	145
50	23/01/2003	3325	220	600	155	650	8000	165	275	1075	150
51	24/01/2003	3300	220	575	145	725	7800	160	270	1050	145

52	27/01/2003	3125	210	575	145	675	7450	155	260	1050	135
53	28/01/2003	3100	215	575	150	650	7650	160	255	1075	135
54	29/01/2003	3050	210	550	145	650	7400	155	260	1200	130
55	30/01/2003	3050	210	550	145	650	7450	155	260	1250	135
56	31/01/2003	2975	215	575	140	650	7350	155	255	1200	125
57	03/02/2003	2975	210	575	145	675	7350	155	255	1200	130
58	04/02/2003	3000	210	550	145	700	7450	155	255	1225	130
59	05/02/2003	3050	220	575	140	675	7300	160	260	1200	125
60	06/02/2003	3000	225	550	145	775	7300	160	270	1200	125
61	07/02/2003	3000	215	550	140	800	7250	155	270	1200	125
62	10/02/2003	3025	220	575	145	825	7350	155	265	1150	130
63	11/02/2003	3000	220	575	145	775	7400	155	265	1150	130
64	13/02/2003	2925	210	550	140	775	7500	150	260	1125	125
65	14/02/2003	2925	210	575	145	800	7750	155	265	1100	130
66	17/02/2003	3075	215	575	145	850	8000	160	270	1125	130
67	18/02/2003	3025	210	550	150	850	8050	160	275	1150	130
68	19/02/2003	3000	215	575	155	875	8050	160	275	1125	130
69	20/02/2003	2925	210	575	155	875	7900	160	275	1150	130
70	21/02/2003	2975	215	575	165	875	7900	160	275	1125	130
71	24/02/2003	3000	215	575	165	850	7850	170	275	1100	130
72	25/02/2003	2950	210	575	160	825	7900	170	275	1075	125
73	26/02/2003	2950	210	550	165	875	7850	170	280	1100	125
74	27/02/2003	2950	215	575	170	875	7800	175	280	1075	125
75	28/02/2003	2950	215	575	175	875	7850	175	285	1050	135
76	04/03/2003	2950	210	550	175	850	8050	170	285	1075	135
77	05/03/2003	2925	210	575	180	800	7950	175	280	1025	130
78	06/03/2003	2925	210	575	185	825	7900	175	280	1075	135
79	07/03/2003	2900	210	575	175	800	7750	170	275	1050	135
80	10/03/2003	2875	200	575	175	800	7350	165	270	1050	130
81	11/03/2003	2825	200	575	175	750	7450	160	270	1075	125
82	12/03/2003	2925	210	575	175	775	7650	165	275	1100	130
83	13/03/2003	2900	205	575	190	800	7500	165	275	1100	125
84	14/03/2003	2950	205	575	190	800	7700	170	285	1100	125
85	17/03/2003	2925	205	550	180	775	7550	160	275	1075	125
86	18/03/2003	2925	205	575	185	750	7550	160	280	1100	125
87	19/03/2003	2900	200	600	185	750	7650	165	275	1100	125
88	20/03/2003	2975	205	600	190	775	7800	165	285	1150	130
89	21/03/2003	2950	210	575	185	800	7700	170	300	1125	125
90	24/03/2003	2875	205	600	190	825	7750	170	295	1150	130
91	25/03/2003	2900	210	600	200	825	7700	165	300	1125	125
92	26/03/2003	2975	210	625	220	875	7750	170	310	1150	125
93	27/03/2003	2950	210	575	225	850	7700	170	305	1100	125
94	28/03/2003	2950	210	600	210	850	7800	170	315	1125	125
95	31/03/2003	2950	205	600	205	800	7600	165	310	1150	125
96	01/04/2003	2900	200	600	205	825	7650	165	305	1125	120
97	03/04/2003	2900	210	600	210	850	7700	170	330	1175	120
98	04/04/2003	2950	215	575	220	850	7750	170	335	1175	130
99	07/04/2003	3050	220	700	225	900	7950	175	365	1150	135
100	08/04/2003	3325	215	650	220	900	7900	170	345	1175	140
101	09/04/2003	3325	215	700	225	925	8000	175	355	1175	150
102	10/04/2003	3350	215	700	225	925	7950	175	350	1150	145
103	11/04/2003	3475	220	750	245	950	8450	185	385	1175	150

104	14/04/2003	3350	220	725	240	950	8600	185	400	1125	145
105	15/04/2003	3250	225	750	235	975	8350	185	405	1100	145
106	16/04/2003	3275	225	725	265	975	8350	195	400	1125	160
107	17/04/2003	3250	230	725	300	950	8500	200	395	1150	195
108	21/04/2003	3225	240	725	315	975	8950	205	405	1125	200
109	22/04/2003	3300	235	700	285	925	8800	205	395	1100	190
110	23/04/2003	3400	240	725	310	975	8900	210	410	1075	195
111	24/04/2003	3400	240	725	305	950	9000	210	415	1100	205
112	25/04/2003	3225	230	725	300	950	8650	195	400	1075	190
113	28/04/2003	3250	225	700	300	950	8450	195	385	1050	180
114	29/04/2003	3400	230	725	395	975	8700	200	395	1075	195
115	30/04/2003	3575	230	725	380	1025	8700	205	400	1025	200
116	01/05/2003	3575	230	725	385	1000	8600	205	415	1050	200
117	02/05/2003	3425	225	700	385	975	8450	205	440	1025	205
118	05/05/2003	3600	230	775	390	1025	8650	210	475	1050	205
119	06/05/2003	3625	230	775	380	1050	8800	210	500	1075	215
120	07/05/2003	3750	230	1550	750	1050	8700	205	500	2150	210
121	08/05/2003	3675	230	775	380	1050	8900	205	475	1050	205
122	09/05/2003	3550	230	800	375	1025	8950	205	485	975	205
123	12/05/2003	3600	230	825	380	1050	9000	205	495	950	195
124	13/05/2003	3700	230	825	370	1050	8950	195	490	925	200
125	14/05/2003	3650	230	800	370	1025	8900	200	480	950	200
126	19/05/2003	3575	230	775	360	1000	8700	195	470	900	185
127	20/05/2003	3550	230	800	370	1025	8700	195	485	825	190
128	21/05/2003	3575	230	775	385	1025	8650	195	500	800	190
129	22/05/2003	3525	230	750	405	1000	8600	200	475	850	190
130	23/05/2003	3625	230	775	420	1025	8700	210	500	875	200
131	26/05/2003	3700	230	775	435	1000	8900	215	550	900	200
132	27/05/2003	3675	230	800	425	1050	8900	205	550	900	200
133	28/05/2003	3750	230	875	430	1050	9150	215	550	875	215
134	29/05/2003	3850	230	875	425	1050	9350	210	550	900	225
135	02/06/2003	3950	230	875	420	1050	9450	205	600	925	230
136	03/06/2003	3950	230	900	425	1100	9350	210	625	900	225
137	04/06/2003	3925	230	900	460	1200	9300	210	650	900	240
138	05/06/2003	3900	230	950	460	1150	9400	220	675	875	240
139	06/06/2003	3900	230	925	495	1175	9400	220	675	900	245
140	09/06/2003	3950	230	950	485	1175	9350	215	650	900	260
141	10/06/2003	3925	230	950	500	1175	9350	210	625	875	255
142	11/06/2003	3925	230	925	500	1150	9250	210	650	875	240
143	12/06/2003	3875	230	900	500	1125	9150	205	600	850	230
144	13/06/2003	3925	230	925	500	1125	9300	210	650	875	245
145	16/06/2003	3975	230	925	475	1100	9350	205	650	900	240
146	17/06/2003	4100	200	900	470	1100	9350	200	625	875	230
147	18/06/2003	4175	200	850	465	1100	9100	200	625	850	220
148	19/06/2003	4300	200	875	475	1200	9250	200	650	850	230
149	20/06/2003	4275	200	875	470	1250	9250	200	675	875	225
150	23/06/2003	4275	195	875	465	1225	9050	195	650	825	220
151	24/06/2003	4150	190	875	445	1225	9050	190	650	850	210
152	25/06/2003	4200	195	850	430	1250	9050	195	625	825	215
153	26/06/2003	4200	185	850	405	1200	8900	185	575	875	200
154	27/06/2003	4200	185	875	420	1250	8950	195	600	850	210
155	30/06/2003	4150	180	850	405	1250	8800	190	600	900	210

156	01/07/2003	4125	180	875	370	1250	8900	185	600	900	205
157	02/07/2003	4175	175	875	375	1350	8950	185	600	925	205
158	03/07/2003	4200	180	900	385	1425	8850	185	625	950	215
159	04/07/2003	4100	180	875	385	1425	8800	190	600	925	215
160	07/07/2003	4100	175	900	400	1475	8850	185	625	900	225
161	08/07/2003	4100	175	900	420	1475	9050	190	650	925	230
162	09/07/2003	4100	175	900	425	1500	8950	195	650	950	225
163	10/07/2003	4125	185	900	420	1600	8900	195	625	950	220
164	11/07/2003	4175	195	900	425	1725	8950	200	600	900	230
165	14/07/2003	4125	185	900	425	1725	8850	195	650	950	220
166	15/07/2003	4125	185	875	410	1750	8800	190	625	975	215
167	16/07/2003	4075	180	875	410	1625	8800	190	625	975	215
168	17/07/2003	4075	180	850	415	1600	8650	195	600	950	215
169	18/07/2003	4125	185	850	410	1575	8750	190	600	975	215
170	21/07/2003	4150	185	850	415	1575	8750	190	575	950	205
171	22/07/2003	4050	180	850	395	1575	8650	190	575	925	195
172	23/07/2003	4075	180	800	385	1650	8600	185	525	950	195
173	24/07/2003	4025	170	800	375	1625	8450	185	525	950	190
174	25/07/2003	4125	175	775	385	1750	8300	190	550	950	200
175	28/07/2003	4325	180	750	400	1725	8250	190	550	925	190
176	29/07/2003	4300	180	775	395	1750	8250	185	525	950	190
177	30/07/2003	4200	175	775	380	1700	8350	190	525	925	190

HARI	TGL	MPPA	PNBN	RALS	RMBA	SCMA	SMCB	SMGR	TLKM	TSPC	UNTR
1	01/11/2002	480	165	2500	125	800	145	7000	3050	3900	265
2	04/11/2002	520	175	2500	130	750	155	7250	3225	3950	275
3	05/11/2002	525	170	2475	130	750	155	7100	3100	3900	265
4	06/11/2002	475	170	2400	130	725	150	7000	3050	3875	255
5	07/11/2002	480	165	2425	125	725	150	7050	3050	3800	260
6	08/11/2002	475	165	2400	120	650	145	6950	3100	3750	250
7	11/11/2002	480	165	2325	120	600	145	6950	3100	3750	255
8	12/11/2002	480	170	2325	125	600	145	7050	3250	3875	260
9	13/11/2002	480	165	2175	125	575	145	7050	3225	3875	255
10	14/11/2002	495	165	2250	135	600	145	7100	3325	3875	255
11	15/11/2002	480	170	2200	135	575	145	7150	3250	3925	260
12	18/11/2002	475	165	2200	130	1150	145	6750	3175	3925	245
13	19/11/2002	475	165	2200	130	550	145	6950	3175	3925	245
14	20/11/2002	480	170	2275	130	525	150	7000	3225	4200	250
15	21/11/2002	485	175	2275	130	525	145	7000	3275	4125	250
16	22/11/2002	480	180	2325	135	550	150	7200	3350	4150	265
17	25/11/2002	475	175	2325	135	600	150	7100	3350	4025	265
18	26/11/2002	490	170	2325	130	575	150	7200	3325	3975	255
19	27/11/2002	480	165	2375	130	600	150	7200	3325	4050	255
20	28/11/2002	485	180	2450	130	600	150	7250	3500	4050	255
21	29/11/2002	490	170	2425	130	600	150	7250	3550	4050	260
22	02/12/2002	480	160	2450	130	650	150	7200	3500	4000	255
23	03/12/2002	485	170	2400	130	650	150	7550	3600	4125	260
24	04/12/2002	480	160	2350	130	650	150	7800	3675	4125	255
25	11/12/2002	475	145	2375	125	625	145	7950	3550	4150	250
26	12/12/2002	480	155	2325	125	600	150	7850	3625	4150	250
27	13/12/2002	485	150	2225	120	600	145	7850	3625	4000	250
28	16/12/2002	485	155	2175	115	600	140	7800	3750	4000	250
29	17/12/2002	480	180	2250	115	600	145	7800	3775	4000	250
30	18/12/2002	485	175	2325	115	600	150	7900	3750	3975	265
31	19/12/2002	510	180	2450	120	600	155	8200	3875	4100	315
32	20/12/2002	525	185	2650	125	600	155	8100	3950	4275	310
33	23/12/2002	525	195	2550	125	575	150	8150	3925	4125	320
34	27/12/2002	500	180	2525	125	575	145	8150	3850	4125	305
35	02/01/2003	475	180	2450	115	525	140	7600	3725	3850	285
36	03/01/2003	465	175	2475	115	525	140	7600	3725	3800	290
37	06/01/2003	465	165	2475	110	525	135	7450	3550	3750	275
38	07/01/2003	475	175	2425	110	525	135	7600	3500	3700	280
39	08/01/2003	465	165	2325	110	500	130	7550	3525	3475	270
40	09/01/2003	475	170	2325	110	500	135	7600	3600	3500	290
41	10/01/2003	480	170	2350	115	500	140	7600	3600	3700	290
42	13/01/2003	470	170	2300	125	500	130	7500	3600	3750	285
43	14/01/2003	475	185	2375	125	475	140	7850	3700	3900	295
44	15/01/2003	475	180	2350	120	475	140	7900	3625	3850	285
45	16/01/2003	465	180	2300	120	475	135	7700	3375	3750	290
46	17/01/2003	465	185	2300	120	450	135	7650	3475	3725	290
47	20/01/2003	465	190	2300	120	465	135	7800	3500	3750	290
48	21/01/2003	450	190	2325	120	460	135	7700	3550	3750	285
49	22/01/2003	455	190	2325	120	450	130	7700	3525	3875	285
50	23/01/2003	460	190	2325	115	440	135	7700	3550	3925	285
51	24/01/2003	455	185	2325	115	440	135	7800	3500	4100	280

52	27/01/2003	450	180	2275	115	440	130	7600	3350	3875	275
53	28/01/2003	450	175	2275	115	440	135	7600	3400	3925	275
54	29/01/2003	440	180	2275	115	380	140	7600	3375	3875	265
55	30/01/2003	440	175	2250	115	365	140	7600	3425	3900	275
56	31/01/2003	430	170	2250	115	345	135	7400	3375	3925	270
57	03/02/2003	420	170	2275	115	325	135	7350	3400	4100	275
58	04/02/2003	415	175	2225	115	350	135	7500	3425	4075	285
59	05/02/2003	410	170	2125	115	370	135	7400	3325	4175	280
60	06/02/2003	410	170	2100	115	345	140	7700	3350	4425	285
61	07/02/2003	380	170	2200	110	350	145	7800	3400	4450	280
62	10/02/2003	380	170	2150	110	350	140	7600	3475	4400	280
63	11/02/2003	385	165	2125	110	340	135	7500	3400	4550	280
64	13/02/2003	380	170	2175	110	355	135	7500	3450	4700	280
65	14/02/2003	385	175	2175	110	355	140	7350	3575	4700	290
66	17/02/2003	390	175	2300	110	360	135	7350	3600	4700	295
67	18/02/2003	385	175	2300	110	365	140	7300	3600	4700	295
68	19/02/2003	385	175	2300	110	375	145	7350	3600	4600	290
69	20/02/2003	380	175	2300	110	485	165	7350	3575	4600	280
70	21/02/2003	380	175	2275	110	495	165	7350	3650	4600	285
71	24/02/2003	380	175	2275	110	455	165	7350	3700	4575	290
72	25/02/2003	375	170	2250	110	440	160	7300	3600	4575	285
73	26/02/2003	365	170	2175	110	440	160	7300	3600	4525	285
74	27/02/2003	390	170	2200	110	450	160	7200	3600	4350	290
75	28/02/2003	390	170	2200	110	445	160	7300	3575	4400	290
76	04/03/2003	400	165	2200	110	445	160	7300	3475	4400	290
77	05/03/2003	390	170	2175	110	440	155	7350	3400	4400	285
78	06/03/2003	395	170	2225	110	440	150	7200	3425	4400	290
79	07/03/2003	395	170	2175	110	430	150	7250	3375	4300	285
80	10/03/2003	385	165	2125	110	430	145	7200	3250	4050	275
81	11/03/2003	370	165	2100	110	435	145	7150	3225	4175	265
82	12/03/2003	380	170	2125	110	435	150	8000	3400	4350	275
83	13/03/2003	380	170	2075	110	435	150	7350	3325	4300	275
84	14/03/2003	385	165	2075	110	435	145	7350	3425	4350	275
85	17/03/2003	370	165	2025	110	430	140	7200	3350	4250	270
86	18/03/2003	370	165	2050	110	430	145	7250	3425	4300	275
87	19/03/2003	370	165	2050	110	430	145	7400	3400	4325	275
88	20/03/2003	380	165	2150	115	435	150	7450	3550	4375	285
89	21/03/2003	375	160	2250	115	435	150	7600	3550	4450	285
90	24/03/2003	380	160	2225	110	445	150	7550	3625	4400	280
91	25/03/2003	375	155	2175	110	450	150	7550	3625	4425	285
92	26/03/2003	380	160	2225	115	470	155	7600	3700	4450	290
93	27/03/2003	385	160	2225	115	490	155	7500	3725	4525	295
94	28/03/2003	385	165	2175	115	485	155	7550	3725	4575	295
95	31/03/2003	375	165	2175	110	485	150	7450	3625	4575	285
96	01/04/2003	385	165	2150	110	485	150	7350	3650	4625	285
97	03/04/2003	385	165	2175	115	475	155	7350	3675	4675	290
98	04/04/2003	390	160	2200	115	485	170	7500	3750	4800	295
99	07/04/2003	440	175	2300	120	485	175	7550	4000	4925	320
100	08/04/2003	425	175	2350	115	485	185	7500	3900	4975	310
101	09/04/2003	430	180	2400	120	490	210	7600	4075	4900	335
102	10/04/2003	425	180	2325	115	485	200	7500	4100	4800	330
103	11/04/2003	430	185	2500	125	495	205	7650	4175	5025	340

104	14/04/2003	425	185	2575	120	485	195	7600	4075	5300	340
105	15/04/2003	430	195	2575	120	485	190	7600	4175	5300	345
106	16/04/2003	455	210	2575	120	485	185	7550	4200	5300	360
107	17/04/2003	505	205	2600	120	530	190	7500	4125	5400	365
108	21/04/2003	500	205	2600	120	525	215	7700	4125	5450	370
109	22/04/2003	500	205	2575	120	525	205	7650	4050	5300	355
110	23/04/2003	500	210	2550	120	500	235	7750	4100	5300	365
111	24/04/2003	500	210	2525	115	500	250	7700	3975	5300	370
112	25/04/2003	525	215	2475	110	500	230	7550	3850	5200	365
113	28/04/2003	525	215	2525	110	500	225	7450	3825	5150	360
114	29/04/2003	525	220	2625	115	475	235	7500	4000	5350	405
115	30/04/2003	525	235	2625	115	495	230	7700	4100	5350	405
116	01/05/2003	500	240	2600	115	500	230	7600	4100	5400	400
117	02/05/2003	500	230	2550	115	475	225	7550	4050	5150	400
118	05/05/2003	500	235	2600	115	500	225	7600	4200	5150	410
119	06/05/2003	500	235	2600	115	500	235	7700	4225	5050	440
120	07/05/2003	475	240	2775	120	1000	230	7950	4350	5000	440
121	08/05/2003	495	240	2725	115	500	225	7900	4350	5000	425
122	09/05/2003	495	235	2775	115	500	225	7900	4300	5000	450
123	12/05/2003	495	245	2725	115	550	220	7900	4375	5100	450
124	13/05/2003	505	250	2750	110	525	215	7900	4375	5200	430
125	14/05/2003	500	240	2775	110	525	215	7900	4300	5000	435
126	19/05/2003	475	230	2700	110	500	230	7900	4175	5000	410
127	20/05/2003	490	225	2725	110	500	225	7900	4300	5100	430
128	21/05/2003	480	240	2800	110	500	225	7900	4325	5000	430
129	22/05/2003	480	240	2800	110	500	220	7900	4300	4750	460
130	23/05/2003	480	250	2775	110	500	235	7900	4400	4900	465
131	26/05/2003	480	260	2800	110	500	225	7900	4450	4950	475
132	27/05/2003	475	250	2825	115	500	235	7900	4425	4950	480
133	28/05/2003	490	255	2875	115	525	245	7900	4675	5250	510
134	29/05/2003	495	250	2850	115	525	240	7900	4675	5350	525
135	02/06/2003	490	265	2850	115	550	230	7900	4950	5500	525
136	03/06/2003	490	280	2825	110	600	230	7900	4825	5100	475
137	04/06/2003	505	280	2850	115	600	265	7900	4600	5100	525
138	05/06/2003	525	305	2850	115	600	290	7900	4650	5100	550
139	06/06/2003	525	300	2725	115	600	295	7900	4575	5100	525
140	09/06/2003	575	315	2825	115	650	295	7900	4675	5300	550
141	10/06/2003	525	320	2775	115	650	285	7900	4675	5300	525
142	11/06/2003	550	325	2800	115	650	275	7900	4675	5200	525
143	12/06/2003	500	315	2800	110	650	265	7900	4350	5300	525
144	13/06/2003	500	350	2750	110	650	280	7900	4550	5200	525
145	16/06/2003	525	350	2800	110	650	275	7900	4575	5250	525
146	17/06/2003	500	350	2800	110	675	270	7600	4550	5200	525
147	18/06/2003	500	335	2800	110	675	260	7750	4500	5150	500
148	19/06/2003	525	340	2950	110	675	280	7700	4500	5200	525
149	20/06/2003	525	330	3150	110	675	285	7750	4450	5100	525
150	23/06/2003	525	325	3150	110	675	270	7700	4300	5100	500
151	24/06/2003	500	315	3000	110	675	265	7700	4300	5000	475
152	25/06/2003	500	315	3050	110	650	265	7700	4375	5050	485
153	26/06/2003	525	300	3050	110	625	255	7700	4425	5000	475
154	27/06/2003	525	320	3175	110	625	260	7700	4600	4950	480
155	30/06/2003	525	310	3225	110	625	260	7650	4625	4925	475

156	01/07/2003	525	305	3250	110	650	250	7700	4725	5050	475
157	02/07/2003	550	315	3225	110	600	260	7700	4625	4950	475
158	03/07/2003	575	310	3000	110	650	290	7500	4550	5000	475
159	04/07/2003	575	305	3100	110	650	285	7400	4525	4700	470
160	07/07/2003	575	305	3125	110	650	300	7100	4625	4775	490
161	08/07/2003	575	315	3025	110	650	325	7100	4700	4825	515
162	09/07/2003	575	325	2975	110	650	345	7050	4650	4725	525
163	10/07/2003	550	320	2975	110	625	345	7000	4650	4725	525
164	11/07/2003	500	325	2975	110	650	390	7050	4700	4625	550
165	14/07/2003	500	315	2975	110	650	385	7350	4700	4600	600
166	15/07/2003	525	310	3000	110	675	370	7300	4700	4650	600
167	16/07/2003	500	305	3000	110	700	365	7300	4650	4700	575
168	17/07/2003	525	295	2975	110	700	375	7200	4700	4700	575
169	18/07/2003	500	285	3000	110	675	370	7300	4725	4675	575
170	21/07/2003	475	270	3025	110	675	360	7200	4700	4650	575
171	22/07/2003	495	265	3000	105	675	335	7150	4625	4600	575
172	23/07/2003	495	270	3000	105	675	330	7100	4650	4650	550
173	24/07/2003	490	265	2925	105	675	325	6950	4475	4650	525
174	25/07/2003	480	290	2875	105	600	345	6900	4475	4725	550
175	28/07/2003	475	300	2900	105	625	330	6950	4500	4750	550
176	29/07/2003	475	285	2850	105	650	340	7100	4450	4750	550
177	30/07/2003	470	290	2900	105	650	345	6950	4375	4750	550

135	79	2003.06.02	1	AAJ	1650	30	175	100	12,500	7,143	1,750	2,750	36,361	63,636	0	-0.033	0
136	80	2003.06.03	1	AAJ	1625	25	175	125	12,500	8,929	1,400	2,400	41,667	38,333	0	-0.033	0
137	81	2003.06.04	1	AAJ	1625	25	175	125	12,500	8,929	1,400	2,400	41,667	38,333	0	-0.033	0
138	82	2003.06.05	1	AAJ	1625	25	175	125	12,500	8,929	1,400	2,400	41,667	38,333	0	-0.033	0
139	83	2003.06.06	1	AAJ	1575	50	175	150	12,500	10,714	1,167	2,167	46,154	53,846	0	-0.033	0
140	84	2003.06.09	1	AAJ	1600	25	200	75	14,286	5,357	2,667	3,667	27,273	75,273	0	-0.063	0
141	85	2003.06.10	1	AAJ	1600	25	175	75	12,500	5,557	3,333	3,333	30,000	70,000	0	-0.091	0
142	86	2003.06.11	1	AAJ	1575	25	150	100	10,714	7,143	1,500	1,500	40,000	60,000	0	-0.127	0
143	87	2003.06.12	1	AAJ	1550	25	150	125	10,714	8,929	1,200	2,200	45,455	34,545	0	-0.081	0
144	88	2003.06.13	1	AAJ	1525	25	125	150	8,929	10,714	1,833	1,833	54,545	45,455	0	-0.033	0
145	89	2003.06.16	1	AAJ	1500	25	125	175	8,929	12,500	1,714	1,714	58,333	41,667	0	-0.033	0
146	90	2003.06.17	1	AAJ	1450	50	125	225	8,929	16,071	1,556	1,556	61,286	35,714	0	-0.017	0
147	91	2003.06.18	1	AAJ	1375	75	100	300	7,143	21,429	1,333	1,333	75,000	25,000	1	0.036	1
148	92	2003.06.19	1	AAJ	1425	50	125	300	8,929	21,429	1,417	1,417	70,588	29,412	1	-0.018	1
149	93	2003.06.20	1	AAJ	1475	50	125	300	8,929	21,429	1,417	1,417	70,588	29,412	1	-0.018	1
150	94	2003.06.23	1	AAJ	1450	25	125	325	8,929	23,214	1,385	1,385	72,222	27,778	1	-0.034	1
151	95	2003.06.24	1	AAJ	1425	25	125	325	8,929	23,214	1,385	1,385	72,222	27,778	1	-0.034	1
152	96	2003.06.25	1	AAJ	1425	25	125	325	8,929	23,214	1,385	1,385	72,222	27,778	1	-0.034	1
153	97	2003.06.26	1	AAJ	1400	25	125	325	8,929	23,214	1,385	1,385	72,222	27,778	1	-0.034	1
154	98	2003.06.27	1	AAJ	1375	25	100	325	8,929	23,214	1,462	1,462	68,421	31,579	1	0.036	1
155	99	2003.06.30	1	AAJ	1400	25	125	350	8,929	25,000	1,357	1,357	71,684	26,316	1	0.036	1
156	100	2003.07.01	1	AAJ	1350	50	125	350	10,714	31,429	1,500	1,500	66,667	33,333	0	0.000	0
157	101	2003.07.02	1	AAJ	1375	25	150	300	10,714	31,429	1,500	1,500	66,667	33,333	0	0.000	0
158	102	2003.07.03	1	AAJ	1375	25	150	300	10,714	31,429	1,500	1,500	66,667	33,333	0	0.000	0
159	103	2003.07.04	1	AAJ	1400	25	175	275	12,500	19,429	1,656	1,656	61,111	38,889	0	-0.018	0
160	104	2003.07.07	1	AAJ	1400	25	175	275	12,500	19,429	1,656	1,656	61,111	38,889	0	-0.018	0
161	105	2003.07.08	1	AAJ	1425	25	200	150	14,286	10,714	1,333	2,333	56,250	43,750	0	0.000	0
162	106	2003.07.09	1	AAJ	1400	25	200	150	14,286	10,714	1,333	2,333	56,250	43,750	0	0.000	0
163	107	2003.07.10	1	AAJ	1375	25	150	175	10,714	12,500	1,857	1,857	53,846	46,154	0	-0.018	0
164	108	2003.07.11	1	AAJ	1375	25	100	200	7,143	14,286	1,500	1,500	66,667	33,333	0	-0.036	0
165	109	2003.07.14	1	AAJ	1400	25	125	175	8,929	12,500	1,571	1,571	63,636	36,364	0	0.000	0
166	110	2003.07.15	1	AAJ	1400	25	125	175	8,929	12,500	1,571	1,571	63,636	36,364	0	0.000	0
167	111	2003.07.16	1	AAJ	1350	50	125	175	8,929	10,714	1,833	1,833	54,545	45,455	0	-0.018	0
168	112	2003.07.17	1	AAJ	1375	25	150	175	8,929	12,500	1,714	1,714	58,333	41,667	0	0.000	0
169	113	2003.07.18	1	AAJ	1375	25	125	150	10,714	10,714	1,000	2,000	50,000	50,000	0	-0.018	0
170	114	2003.07.21	1	AAJ	1375	25	125	150	8,929	10,714	1,833	1,833	54,545	45,455	0	-0.036	0
171	115	2003.07.22	1	AAJ	1350	25	100	175	8,929	7,143	2,250	2,250	44,444	55,556	0	-0.018	0
172	116	2003.07.23	1	AAJ	1350	25	100	175	8,929	7,143	2,250	2,250	44,444	55,556	0	-0.018	0
173	117	2003.07.24	1	AAJ	1350	25	100	175	8,929	7,143	2,250	2,250	44,444	55,556	0	-0.018	0
174	118	2003.07.25	1	AAJ	1325	25	75	125	5,557	8,929	1,600	1,600	64,500	37,500	1	0.019	1
175	119	2003.07.28	1	AAJ	1350	25	75	150	5,557	10,714	1,500	1,500	66,667	33,333	0	0.000	0
176	120	2003.07.29	1	AAJ	1375	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0
177	121	2003.07.30	1	AAJ	1375	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0
178	122	2003.07.31	1	AAJ	1375	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0
179	123	2003.08.01	1	AAJ	1350	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0
180	124	2003.08.04	1	AAJ	1350	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0
181	125	2003.08.05	1	AAJ	1325	25	100	125	7,143	8,929	1,800	1,800	55,556	44,444	0	-0.018	0

LAMPIRAN 5

PENGOLAHAN CARABELI SINYAL BEL/DARI INDIKATOR %KD

Obs	Hari	TGL	ID	SABAM	PRICE	10 HARI		Podol %K	Cross Over %K > %D	SINYAL BEL %KD	STATUS RETURN
						MIN	MAX				
1	-54	2002.11.01	1	AMJ	1275						
2	-55	2002.11.04	1	AMJ	1325						
3	-54	2002.11.05	1	AMJ	1250						
4	-55	2002.11.06	1	AMJ	1275						
5	-55	2002.11.07	1	AMJ	1225						
6	-51	2002.11.08	1	AMJ	1255						
7	-50	2002.11.11	1	AMJ	1175						
8	-49	2002.11.12	1	AMJ	1250						
9	-48	2002.11.13	1	AMJ	1325						
10	-47	2002.11.14	1	AMJ	1325						
11	-46	2002.11.15	1	AMJ	1325						
12	-45	2002.11.18	1	AMJ	1225						
13	-44	2002.11.19	1	AMJ	1235						
14	-43	2002.11.20	1	AMJ	1275						
15	-42	2002.11.21	1	AMJ	1280						
16	-41	2002.11.22	1	AMJ	1275						
17	-40	2002.11.25	1	AMJ	1275						
18	-39	2002.11.26	1	AMJ	1275						
19	-38	2002.11.27	1	AMJ	1275						
20	-37	2002.11.28	1	AMJ	1275						
21	-36	2002.11.29	1	AMJ	1250						
22	-35	2002.12.02	1	AMJ	1250						
23	-34	2002.12.03	1	AMJ	1325						
24	-33	2002.12.04	1	AMJ	1375						
25	-32	2002.12.11	1	AMJ	1450						
26	-31	2002.12.12	1	AMJ	1425						
27	-30	2002.12.13	1	AMJ	1400						
28	-29	2002.12.16	1	AMJ	1325						
29	-28	2002.12.17	1	AMJ	1350						
30	-27	2002.12.18	1	AMJ	1425						
31	-26	2002.12.19	1	AMJ	1650						
32	-25	2002.12.20	1	AMJ	1675						
33	-24	2002.12.23	1	AMJ	1625						
34	-23	2002.12.27	1	AMJ	1550						
35	-22	2003.01.02	1	AMJ	1550						
36	-21	2003.01.03	1	AMJ	1600						
37	-20	2003.01.06	1	AMJ	1575						
38	-19	2003.01.07	1	AMJ	1625						
39	-18	2003.01.08	1	AMJ	1625						
40	-17	2003.01.09	1	AMJ	1700						

88	32	2003-03-20	1	AM1	1325	1303	1317	-43.56	-0.88	di hsk0		0	0.000	0
89	33	2003-03-21	1	AM1	1325	1306	1318	-41.07	-6.25	di hsk0		0	0.000	0
90	34	2003-03-24	1	AM1	1325	1300	1318	-8.97	-9.10	di hsk0	MAV'D-cpl	MAV'D4-mbt	-0.019	0
91	35	2003-03-25	1	AM1	1325	1311	1319	-7.21	-10.50	di hsk0	MAV'D-cpl	MAV'D4-mbt	-0.019	0
92	36	2003-03-26	1	AM1	1325	1315	1319	-5.74	-10.73	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.000	0
93	37	2003-03-27	1	AM1	1325	1315	1320	-4.51	-10.61	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.019	1
94	38	2003-03-28	1	AM1	1325	1316	1320	-3.19	-9.64	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.075	1
95	39	2003-03-31	1	AM1	1300	1314	1318	-4.76	-8.38	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.077	1
96	40	2003-04-01	1	AM1	1300	1312	1317	-5.91	-7.10	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.077	1
97	41	2003-04-03	1	AM1	1325	1314	1318	-3.75	-6.01	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.087	1
98	42	2003-04-04	1	AM1	1350	1319	1320	-9.98	-4.89	di hsk0	MAV'D-cpl	MAV'D4-mbt	0.037	1
99	43	2003-04-07	1	AM1	1425	1334	1328	6.40	-3.18	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.018	0
100	44	2003-04-08	1	AM1	1406	1344	1344	10.46	-1.32	di atos0	MAV'D-cpl	MAV'D4-mbt	0.036	1
101	45	2003-04-09	1	AM1	1406	1352	1338	13.58	0.93	di atos0	MAV'D-cpl	MAV'D4-mbt	0.036	1
102	46	2003-04-10	1	AM1	1400	1350	1343	15.91	3.19	di atos0	MAV'D-cpl	MAV'D4-mbt	0.018	1
103	47	2003-04-11	1	AM1	1400	1365	1347	17.59	5.54	di atos0	MAV'D-cpl	MAV'D4-mbt	0.018	1
104	48	2003-04-14	1	AM1	1400	1370	1351	18.73	8.10	di atos0	MAV'D-cpl	MAV'D4-mbt	0.036	1
105	49	2003-04-15	1	AM1	1375	1370	1353	17.72	10.63	di atos0	MAV'D-cpl	MAV'D4-mbt	0.127	1
106	50	2003-04-16	1	AM1	1450	1382	1360	21.90	13.48	di atos0	MAV'D-cpl	MAV'D4-mbt	0.034	1
107	51	2003-04-17	1	AM1	1425	1388	1365	23.27	16.7	di atos0	MAV'D-cpl	MAV'D4-mbt	0.035	1
108	52	2003-04-21	1	AM1	1450	1401	1375	24.10	18.14	di atos0	MAV'D-cpl	MAV'D4-mbt	0.035	1
109	53	2003-04-22	1	AM1	1475	1415	1389	26.25	19.89	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.016	0
110	54	2003-04-23	1	AM1	1550	1423	1396	34.55	22.22	di atos0	MAV'D-cpl	MAV'D4-mbt	0.017	1
111	55	2003-04-24	1	AM1	1500	1473	1402	37.32	24.00	di atos0	MAV'D-cpl	MAV'D4-mbt	0.068	1
112	56	2003-04-25	1	AM1	1475	1445	1408	37.10	20.81	di atos0	MAV'D-cpl	MAV'D4-mbt	0.085	1
113	58	2003-04-29	1	AM1	1525	1456	1416	39.89	28.85	di atos0	MAV'D-cpl	MAV'D4-mbt	0.049	1
114	59	2003-04-30	1	AM1	1525	1466	1424	41.69	33.31	di atos0	MAV'D-cpl	MAV'D4-mbt	0.066	1
115	60	2003-05-01	1	AM1	1525	1474	1432	42.68	35.67	di atos0	MAV'D-cpl	MAV'D4-mbt	0.033	1
116	61	2003-05-02	1	AM1	1575	1489	1442	46.46	38.15	di atos0	MAV'D-cpl	MAV'D4-mbt	0.000	0
117	62	2003-05-05	1	AM1	1600	1505	1454	50.70	40.87	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.016	0
118	63	2003-05-06	1	AM1	1600	1518	1465	53.52	42.98	di atos0	MAV'D-cpl	MAV'D4-mbt	0.046	0
119	64	2003-05-07	1	AM1	1625	1534	1477	56.92	45.15	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.048	0
120	65	2003-05-08	1	AM1	1575	1540	1484	55.56	47.17	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.052	0
121	66	2003-05-09	1	AM1	1575	1545	1491	53.90	49.04	di atos0	MAV'D-cpl	MAV'D4-mbt	0.000	0
122	67	2003-05-12	1	AM1	1575	1549	1497	53.01	50.38	di atos0	MAV'D-cpl	MAV'D4-mbt	-0.032	0
123	68	2003-05-13	1	AM1	1575	1553	1503	49.96	51.40	di atos0			-0.000	0
124	69	2003-05-14	1	AM1	1550	1552	1506	46.08	51.68	di atos0			0.081	1
125	70	2003-05-19	1	AM1	1475	1541	1504	37.34	50.67	di atos0			0.033	1
126	71	2003-05-20	1	AM1	1500	1555	1504	34.73	48.36	di atos0			0.049	1
127	72	2003-05-21	1	AM1	1525	1534	1505	28.67	45.80	di atos0			0.065	1
128	73	2003-05-22	1	AM1	1555	1533	1507	25.94	42.35	di atos0			0.048	0
129	74	2003-05-23	1	AM1	1580	1555	1510	25.22	38.98	di atos0			0.048	0
130	75	2003-05-26	1	AM1	1580	1557	1513	24.38	35.90	di atos0			0.048	1
131	76	2003-05-27	1	AM1	1550	1539	1516	25.46	32.53	di atos0			0.052	1
132	77	2003-05-28	1	AM1	1575	1544	1520	24.20	29.67	di atos0			0.052	1
133	78	2003-05-29	1	AM1	1600	1552	1526	26.26	27.47	di atos0			-0.016	0

LAMPIRAN 7

Logistic Regression

Case Processing Summary

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	3630	100,0
	Missing Cases	0	,0
	Total	3630	100,0
Unselected Cases		0	,0
Total		3630	100,0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
0	0
1	1

Block 0: Beginning Block

Classification Table^{a,b}

Observed			Predicted		
			Y STATUS		Percentage Correct
			0	1	
Step 0	Y_STATUS	0	1999	0	100,0
		1	1631	0	,0
Overall Percentage					55,1

a. Constant is included in the model.

b. The cut value is ,500

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 0 Constant	-.203	,033	37,178	1	,000	,816

Variables not in the Equation

Step	Variables	Score	df	Sig.
0	X1_RSI	2,530	1	,112
	X2_MACD	39,365	1	,000
	X3_KD	,477	1	,490
Overall Statistics		41,889	3	,000

Block 1: Method = Enter

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	4949,413	,012	,017

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	1,040	1	,308

Contingency Table for Hosmer and Lemeshow Test

		Y STATUS = 0		Y STATUS = 1		Total
		Observed	Expected	Observed	Expected	
Step	1	297	299,575	163	160,425	460
1	2	47	42,699	30	34,301	77
	3	1655	1656,726	1438	1436,274	3093

Classification Table^a

Observed	Y STATUS	Predicted		
		Y STATUS		Percentage Correct
		0	1	
Step 1	0	1999	0	100,0
	1	1631	0	,0
Overall Percentage				55,1

a. The cut value is ,500

Variables in the Equation

Step		B	S.E.	Wald	df	Sig.	Exp(B)
1	X1_RSI	-,172	,120	2,054	1	,152	,842
	X2_MACD	-1,259	,213	34,824	1	,000	,284
	X3_KD	-,076	,185	,170	1	,680	,927
	Constant	-,143	,036	15,855	1	,000	,867

a. Variable(s) entered on step 1: X1_RSI, X2_MACD, X3_KD.

LAMPIRAN 8

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Y_STATUS * X1_RSI	3630	100.0%	0	.0%	3630	100.0%
Y_STATUS * X2_MACD	3630	100.0%	0	.0%	3630	100.0%
Y_STATUS * X3_KD	3630	100.0%	0	.0%	3630	100.0%

Y_STATUS * X1_RSI Crosstabulation

Count

	Y_STATUS	X1_RSI		Total
		0	1	
	0	1803	196	1999
	1	1496	135	1631
	Total	3299	331	3630

Y_STATUS * X2_MACD Crosstabulation

Count

	Y_STATUS	X2_MACD		Total
		0	1	
	0	1883	116	1999
	1	1603	28	1631
	Total	3486	144	3630

Y_STATUS * X3_KD Crosstabulation

Count

	Y_STATUS	X3_KD		Total
		0	1	
	0	1923	76	1999
	1	1576	55	1631
	Total	3499	131	3630