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LAMPIRAN 1

1. ANDHI CANDRA AUROMOTIVE PRODUK. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	2025	2025	25000	2025	1800	11.11111111	0	
t-9	2025	2025	17500	2025	1800	11.11111111	0	
t-8	2025	2025	12500	2025		100	0	
t-7	2025	2025	12500	2000		100	0	
t-6	2025	1850	12500	1850	1275	31.08108108	-8.641975309	
t-5	1850	1850	49000	1825	1400	23.28767123	0	
t-4	1850	1875	51500	1950	1800	7.692307692	1.351351351	
t-3	1875	1875	20000	1850	1325	28.37837838	0	
t-2	1875	1875	30000	1875	1525	18.66666667	0	
t-1	1875	1875	42500	1875	1525	18.66666667	0	2648.034
t-0	375	345	807500	345	335	2.898550725	-8	
t+1	345	325	1425000	330	325	1.515151515	-5.797101449	
t+2	325	350	2847500	355	350	1.408450704	7.692307692	
t+3	350	355	1080000	355	350	1.408450704	1.428571429	
t+4	355	360	422500	360	350	2.777777778	1.408450704	
t+5	360	355	315000	355	350	1.408450704	-1.388888889	
t+6	355	355	98500	355	350	1.408450704	0	
t+7	355	365	665000	365	355	2.739726027	2.816901408	
t+8	365	360	827500	365	360	1.369863014	-1.369863014	
t+9	360	345	377500	350	345	1.428571429	-4.166666667	
t+10	345	345	245000	345	340	1.449275362	0	13.98502

2. ASTRA GRAPHIA

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	8400	8525	277000	8550	8525	0.292397661	1.488095238	
t-9	8525	8400	268500	8575	8400	2.040816327	-1.46627566	
t-8	8400	8500	264000	8525	8475	0.586510264	1.19047619	
t-7	8500	8450	214000	8475	8450	0.294985251	-0.588236294	
t-6	8450	8500	246000	8500	8475	0.294117647	0.591715976	
t-5	8500	8500	172500	8500	8475	0.294117647	0	
t-4	8500	8500	102000	8525	8500	0.293255132	0	
t-3	8500	8350	168500	8350	8175	2.095808383	-1.764705882	
t-2	8350	8100	15500	8200	8050	1.829268293	-2.994011976	
t-1	8100	8100	181000	8100	8050	0.617283951	0	1.922314
t-0	825	1000	43801500	1000	975	2.5	21.21212121	
t+1	1000	975	14885500	975	950	2.564102564	-2.5	
t+2	975	950	19021000	950	925	2.631578947	-2.631578947	
t+3	950	925	8729500	950	925	2.631578947	-2.631578947	
t+4	925	950	7757500	950	925	2.631578947	2.702702703	
t+5	950	900	2763000	925	900	2.702702703	-5.263157895	
t+6	900	925	3450000	950	925	2.631578947	2.777777778	
t+7	925	950	1073600	950	925	2.631578947	2.702702703	
t+8	950	950	4489000	950	925	2.631578947	0	
t+9	950	975	5303000	975	950	2.564102564	2.631578947	
t+10	975	975	13689500	975	950	2.564102564	0	8.471268

3. ASURANSI DAYIN MITRA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	395	400	2000	420	395	8.333333333	1.255822785	
t-9	400	390	2500	395	385	2.53164557	-2.5	
t-8	390	400	13000	415	400	3.614457831	2.564102564	
t-7	400	395	35500	430	395	8.139534884	-1.25	
t-6	395	390	1000	395	375	5.063291139	-1.265822785	
t-5	390	370	20000	390	370	5.128205128	-5.128205128	
t-4	370	350	42500	400	350	12.5	-5.405405405	
t-3	350	400	22500	415	375	9.638554217	14.28571429	
t-2	400	420	80000	425	415	2.352941176	5	
t-1	420	415	99000	415	375	9.638554217	-1.19047619	33.285
t-0	210	215	22000	215	195	9.302325581	2.380952381	
t+1	215	205	20000	215	205	4.651162791	-4.651162791	
t+2	205	225	280000	225	220	2.222222222	9.756097561	
t+3	225	235	1813500	235	230	2.127659574	4.444444444	
t+4	235	225	1082500	230	220	4.347826087	-4.255319149	
t+5	225	210	2031500	210	205	2.380952381	-5.666666667	
t+6	210	185	625000	185	180	2.702702703	-11.9047619	
t+7	185	190	75000	200	185	7.5	2.702702703	
t+8	190	190	10000	190	185	2.631578947	0	
t+9	190	200	57500	210	195	7.142857143	5.263157895	
t+10	200	200	92000	205	200	2.43902439	0	41.44751

4. BALIGRAHA MEDIKATAMA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1025	1050	237000	1075	1050	2.325581395	2.43902439	
t-9	1050	1050	45000	1075	1050	2.325581395	0	
t-8	1050	1050	17500	1075	1025	4.651162791	0	
t-7	1050	1050	81000	1075	1050	2.325581395	0	
t-6	1050	1075	197500	1075	1050	2.325581395	2.380952381	
t-5	1075	1050	40000	1075	1025	4.651162791	-2.325581395	
t-4	1050	1050	95500	1075	1050	2.325581395	0	
t-3	1050	1050	82000	1075	1050	2.325581395	0	
t-2	1050	1100	1425500	1100	1075	2.272727273	4.761904762	
t-1	1100	1075	294500	1100	1075	2.272727273	-2.272727273	4.709281
t-0	1075	1100	203500	1125	1100	2.222222222	2.325581395	
t+1	1100	1075	92500	1100	1075	2.272727273	-2.272727273	
t+2	1075	1075	140000	1075	1050	2.325581395	0	
t+3	1075	1075	14000	1075	1050	2.325581395	0	
t+4	1075	1025	476500	1050	1025	2.380952381	-4.651162791	
t+5	1025	1050	218500	1075	1050	2.325581395	2.43902439	
t+6	1050	1075	167000	1075	1050	2.325581395	2.380952381	
t+7	1075	1050	124500	1075	1050	2.325581395	-2.325581395	
t+8	1050	1000	340000	1025	1000	2.43902439	-4.761904762	
t+9	1000	1000	156000	1025	1000	2.43902439	0	
t+10	1000	1000	15000	1025	1000	2.43902439	0	6.450251

5. BANK CENTRAL ASIA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1600	1650	175000	1650	1625	1.515151515	3.125	
t-9	1650	1675	1030000	1675	1650	1.492537313	1.515151515	
t-8	1675	1675	105000	1675	1650	1.492537313	0	
t-7	1675	1700	1210000	1700	1675	1.470588235	1.492537313	
t-6	1700	1700	620000	1700	1675	1.470588235	0	
t-5	1700	1700	475000	1700	1675	1.470588235	0	
t-4	1700	1700	1295000	1700	1675	1.470588235	0	
t-3	1700	1700	1215000	1700	1675	1.470588235	0	
t-2	1700	1725	220000	1725	1700	1.449275362	1.470588235	
t-1	1725	1725	510000	1725	1700	1.449275362	0	1.185625
t-0	875	875	960000	875	850	2.857142857	0	
t+1	875	900	1690000	900	875	2.777777778	2.857142857	
t+2	900	950	7255000	950	925	2.631578947	5.555555556	
t+3	950	900	6580000	900	875	2.777777778	-5.263157895	
t+4	900	925	3005000	925	900	2.702702703	2.777777778	
t+5	925	925	1715000	925	900	2.702702703	0	
t+6	925	925	160000	925	900	2.702702703	0	
t+7	925	925	8750000	925	900	2.702702703	0	
t+8	925	925	5090000	925	900	2.702702703	0	
t+9	925	1025	41955000	1025	1000	2.43902439	10.81081081	
t+10	1025	1050	34735000	1050	1025	2.380952381	2.43902439	17.83228

6. BHAKTI INVESTAMA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1875	1850	1483500	1850	1825	1.351351351	-1.333333333	
t-9	1825	1825	2427500	1850	1825	1.351351351	0	
t-8	1825	2025	10461500	2025	2000	1.234567901	10.95890411	
t-7	2025	2225	33457500	2225	2200	1.123595506	9.87654321	
t-6	2225	2175	24520000	2175	2150	1.149425287	-2.247191011	
t-5	2175	2100	11788500	2100	2075	1.19047619	-3.448275862	
t-4	2100	2100	3553500	2100	2075	1.19047619	0	
t-3	2100	1975	5328500	1975	1950	1.265822785	-5.952380952	
t-2	1975	2400	7431000	2400	2375	1.041666687	21.51698734	
t-1	2400	2375	12182000	2375	2350	1.052631579	-1.041666667	72.85298
t-0	950	1150	17532500	1150	1125	2.173913043	21.05263158	
t+1	1150	1150	26839500	1150	1125	2.173913043	0	
t+2	1150	1150	7369000	1150	1125	2.173913043	0	
t+3	1150	1100	1575500	1100	1075	2.272727273	-4.347826087	
t+4	1100	1075	2929500	1075	1050	2.325581395	-2.272727273	
t+5	1075	1025	9436500	1025	1000	2.43902439	-4.651162791	
t+6	1025	1025	4016000	1025	1000	2.43902439	0	
t+7	1025	1025	5211500	1025	1000	2.43902439	0	
t+8	1025	1025	2517500	1025	1000	2.43902439	0	
t+9	1025	1050	9864500	1050	1025	2.380952381	2.43902439	
t+10	1050	1050	3497500	1050	1025	2.380952381	0	4.872155

7. CHAROEN POKPHAND INDONESIA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	2525	2550	4600	2550	2425	4.901960784	0.99009901	
t-9	2550	2550	12500	2550	2500	1.960784314	0	
t-8	2550	2550	5000	2550	2350	7.843137255	0	
t-7	2550	2600	13500	2600	2500	3.846153846	1.960784314	
t-6	2600	2600	9000	2575	2450	4.854368932	0	
t-5	2600	2600	67500	2575	2450	4.854368932	0	
t-4	2600	2600	23500	2575	2525	1.941747573	0	
t-3	2600	2600	78500	2575	2525	1.941747573	0	
t-2	2600	2600	26000	2600	2550	1.923076923	0	
t-1	2600	2600	10000	2600	2500	3.846153846	0	0.439356
t-0	525	525		525	475	9.523809524	0	
t+1	525	525	20000	525	450	14.28571429	0	
t+2	525	525	87500	525	500	4.761904762	0	
t+3	525	525	80000	525	500	4.761904762	0	
t+4	525	500	6000	525	500	4.761904762	-4.761904762	
t+5	500	500	60000	500	475	5	0	
t+6	500	475	5000	500	475	5	-5	
t+7	475	500	240500	500	475	5	5.263157895	
t+8	500	525	459500	550	525	4.545454545	5	
t+9	525	525	5000	525	500	4.761904762	0	
t+10	525	550	196000	575	550	4.347826087	4.761904762	13.36469

8. ENSEVAL PUTRA MEGATRADING. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1400	1225	7232000	1250	1225	2	-12.5	
t-9	1225	1350	5064500	1350	1325	1.851851852	10.20408153	
t-8	1350	1475	1567000	1500	1475	1.666666667	9.259259259	
t-7	1475	1650	3426000	1650	1625	1.515151515	11.86440678	
t-6	1650	1650	2534000	1650	1625	1.515151515	0	
t-5	1650	1850	7887000	1850	1825	1.351351351	12.12121212	
t-4	1850	1900	2082500	1925	1900	1.298701299	2.702702703	
t-3	1900	1825	1920000	1825	1800	1.369863014	-3.947368421	
t-2	1825	1850	1067000	1875	1850	1.333333333	1.369863014	
t-1	1850	1900	4114500	1900	1875	1.315789474	2.702702703	61.30832
t-0	380	390	26832000	390	385	1.282051282	2.631578947	
t+1	390	385	5302500	390	385	1.282051282	-1.282051282	
t+2	385	400	17959000	400	395	1.25	3.896103896	
t+3	400	400	8582000	400	395	1.25	0	
t+4	400	400	5982000	400	395	1.25	0	
t+5	400	395	6250500	395	390	1.265822785	-1.25	
t+6	395	390	3707500	390	385	1.282051282	-1.265822785	
t+7	390	385	1676000	385	380	1.298701299	-1.282051282	
t+8	385	380	2960000	385	380	1.298701299	-1.298701299	
t+9	380	375	1066000	380	375	1.315789474	-1.315789474	
t+10	375	370	2552000	370	365	1.351351351	-1.333333333	2.68823

9. FORTUNE MATE INDONESIA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1100	1100	75000	1100	1075	2.272727273	0	
t-9	1100	1075	87500	1075	1050	2.325581395	-2.272727273	
t-8	1075	1050	90000	1050	1025	2.380952381	-2.325581395	
t-7	1050	1050	27000	1050	1025	2.380952381	0	
t-6	1050	1025	30000	1050	1025	2.380952381	-2.380952381	
t-5	1025	1025	16000	1050	1025	2.380952381	0	
t-4	1025	1000	67500	1025	1000	2.43902439	-2.43902439	
t-3	1000	1025	25000	1050	1025	2.380952381	2.5	
t-2	1025	1050	25000	1050	1000	4.761904762	2.43902439	
t-1	1050	1050	25000	1050	1000	4.761904762	0	3.598206
t-0	210	200	125000	200	195	2.5	-4.761904762	
t+1	200	210	1879500	210	205	2.380952381	5	
t+2	210	215	2427500	220	215	2.272727273	2.380952381	
t+3	215	210	362500	215	205	4.651162791	-2.325581395	
t+4	210	210	45000	210	205	2.380952381	0	
t+5	210	205	185000	205	200	2.43902439	-2.380952381	
t+6	205	200	2113000	205	195	4.87804878	-2.43902439	
t+7	200	190	3183000	195	190	2.564102564	-5	
t+8	190	195	1556000	195	190	2.564102564	2.631578947	
t+9	195	195	1900000	200	195	2.5	0	
t+10	195	195	1760000	200	195	2.5	0	8.796141

10. HEXINDO ADI PERKASA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1150	1100	10000	1200	1100	8.333333333	-4.347826087	
t-9	1100	1100	12500	1200	1100	8.333333333	0	
t-8	1100	1150	3500	1175	1125	4.255319149	4.545454545	
t-7	1150	1325	553500	1350	1325	1.851851852	15.2173913	
t-6	1325	1400	256500	1425	1375	3.50877193	5.660377358	
t-5	1400	1350	55000	1375	1350	1.818181818	-3.571428571	
t-4	1350	1300	21500	1300	1275	1.923076923	-3.703703704	
t-3	1300	1150	32000	1250	1125	10	-11.53846154	
t-2	1150	1200	8000	1300	1200	7.692307692	4.347826087	
t-1	1200	1150	17500	1250	1150	8	-4.166666667	55.38335
t-0	575	625	500	625	575	8	8.695652174	
t+1	625	650	5500	650	625	3.846153846	4	
t+2	650	650	51000	650	600	7.692307692	0	
t+3	650	625	15000	625	600	4	-3.846153846	
t+4	625	625	2500	625	600	4	0	
t+5	625	625	21500	625	575	8	0	
t+6	625	600	13500	625	575	8	-4	
t+7	600	600	11000	600	550	8.333333333	0	
t+8	600	600	10000	600	575	4.166666667	0	
t+9	600	575	10000	600	575	4.166666667	-4.166666667	
t+10	575	550	40000	550	500	9.090909091	-4.347826087	7.531005

11. INDOFOOD SUKSES MAKMUR. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	3965	3950	2342000	3950	3925	0.632911392	-0.378310214	
t-9	3950	3635	11913000	3630	3625	0.137741047	-7.974683544	
t-8	3635	3850	7618000	3850	3840	0.25974026	5.914718019	
t-7	3850	3830	5451000	3830	3810	0.522193211	-0.519480519	
t-6	3830	3835	1322000	3835	3820	0.391134289	0.130548303	
t-5	3835	3710	2222000	3720	3710	0.268817204	-3.259452412	
t-4	3710	3800	1181500	3805	3800	0.131406045	2.425876011	
t-3	3800	3800	1136000	3800	3790	0.263157895	0	
t-2	3800	3810	776000	3810	3800	0.262467192	0.263157895	
t-1	3810	4025	2293000	4040	4025	0.371287129	5.643044619	16.32527
t-0	805	850	69460500	855	850	0.584795322	5.590062112	
t+1	850	840	20140500	840	835	0.595238095	-1.176470588	
t+2	840	790	40054000	790	785	0.632911392	-5.952380952	
t+3	790	775	71358500	775	765	1.290322581	-1.898734177	
t+4	775	790	49498000	790	785	0.632911392	1.935483871	
t+5	790	775	16229500	775	770	0.64516129	-1.898734177	
t+6	775	755	36830500	755	750	0.662251656	-2.580645161	
t+7	755	750	25483500	750	745	0.666666667	-0.662251656	
t+8	750	770	31377500	770	765	0.649350649	2.666666667	
t+9	770	780	43775000	785	780	0.636942675	1.298701299	
t+10	780	790	27924500	790	785	0.632911392	1.282051282	5.445626

12. INTRACO PENTA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1050	1050	50000	1105	1005	9.049773756	0	
t-9	1050	1005	500	1040	1005	3.365384615	-4.285714286	
t-8	1005	1000	2000	1050	905	13.80952381	-0.497512438	
t-7	1000	1000	16500	1095	1000	8.675799087	0	
t-6	1000	1025	10000	1050	1025	2.380952381	2.5	
t-5	1025	1050	1000	1075	1025	4.651162791	2.43902439	
t-4	1050	1075	23000	1100	975	11.36363636	2.380952381	
t-3	1075	1025	1000	1050	1000	4.761904762	-4.651162791	
t-2	1025	1050	1000	1075	1000	6.976744186	2.43902439	
t-1	1050	1050	32500	1075	1050	2.325581395	0	7.11714
t-0	525	525	81000	550	525	4.545454545	0	
t+1	525	525	14500	525	500	4.761904762	0	
t+2	525	525	42000	550	500	9.090909091	0	
t+3	525	500	23000	500	475	5	-4.761904762	
t+4	500	450	17500	450	425	5.555555556	-10	
t+5	450	425	7500	450	420	6.666666667	-5.555555556	
t+6	425	430	5500	495	425	14.14141414	1.176470588	
t+7	430	475	3500	500	475	5	10.46511628	
t+8	475	460	9000	460	425	7.608695652	-3.157894737	
t+9	460	425	18000	445	415	6.741573034	-7.608695652	
t+10	425	410	14000	425	410	3.529411765	-3.529411765	32.4437

13. JAKA ARTHA GRAHA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1925	1925	29000	1950	1925	1.282051282	0	
t-9	1925	1925	125000	1950	1925	1.282051282	0	
t-8	1925	1925	50000	1950	1925	1.282051282	0	
t-7	1925	1950	5000	1950	1925	1.282051282	1.298701299	
t-6	1950	1925	1336000	1950	1925	1.282051282	-1.282051282	
t-5	1925	1925	5000	1950	1925	1.282051282	0	
t-4	1925	1925	10000	1950	1925	1.282051282	0	
t-3	1925	1925	17500	1950	1925	1.282051282	0	
t-2	1925	1925	2500	1925	1500	22.07792208	0	
t-10	1900	1900	10000	1925	1900	1.298701299	0	0.370028
t-0	190	195	55084000	200	195	2.5	2.631578947	
t+1	195	200	18082500	205	200	2.43902439	2.564102564	
t+2	200	205	21439500	210	205	2.380952381	2.5	
t+3	205	205	7267500	210	205	2.380952381	0	
t+4	205	190	21600000	195	190	2.564102564	-7.317073171	
t+5	190	190	655000	195	190	2.564102564	0	
t+6	190	205	39848500	210	205	2.380952381	7.894736842	
t+7	205	260	46790000	260	255	1.923076923	26.82926829	
t+8	260	210	86041000	215	210	2.325581395	-19.23076923	
t+9	210	225	77862500	225	220	2.222222222	7.142857143	
t+10	225	240	34823500	245	240	2.040816327	6.666666667	137.8465

14. SIWANI TRIMITRA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	135	135	1484000	135	130	3.703703704	0	
t-9	135	115	11239000	120	115	4.166666667	-14.81481481	
t-8	115	115	4259500	115	105	8.695652174	0	
t-7	115	110	4484500	110	105	4.545454545	-4.347826087	
t-6	110	100	1753500	100	95	5	-9.090909091	
t-5	100	90	2898500	95	90	5.263157895	-10	
t-4	90	95	575500	95	90	5.263157895	5.555555556	
t-3	95	95	2022500	100	95	5	0	
t-2	95	100	4807500	100	95	5	5.263157895	
t-1	100	95	7261000	95	90	5.263157895	-5	44.37668
t-0	95	90	6039000	90	85	5.555555556	-5.263157895	
t+1	90	90	2746000	90	85	5.555555556	0	
t+2	90	80	10870500	80	75	6.25	-11.11111111	
t+3	80	75	8531500	75	70	6.666666667	-6.25	
t+4	75	65	9690000	65	60	7.692307692	-13.33333333	
t+5	65	60	657500	65	60	7.692307692	-7.692307692	
t+6	60	60	5916000	60	55	8.333333333	0	
t+7	60	60	2150500	65	60	7.692307692	0	
t+8	60	65	2700500	70	65	7.142857143	8.333333333	
t+9	65	65	1222500	70	65	7.142857143	0	
t+10	65	65	1428000	65	60	7.692307692	0	42.06581

15. MASKAPAI REASURANSI INDONESIA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1600	1600	15500	1600	1525	4.6875	0	
t-9	1600	1600	4500	1590	1525	4.088050314	0	
t-8	1600	1575	1500	1600	1580	1.25	-1.5625	
t-7	1575	1600	1500	1600	1575	1.5625	1.587301587	
t-6	1600	1575	4500	1600	1575	1.5625	-1.5625	
t-5	1575	1600	22500	1625	1575	3.076923077	1.587301587	
t-4	1600	1575	4500	1590	1550	2.51572327	-1.5625	
t-3	1575	1600	20500	1650	1600	3.03030303	1.587301587	
t-2	1600	1800	4000	1990	1650	17.08542714	12.5	
t-1	1800	2200	46000	2200	1825	17.04545455	22.22222222	60.43105
t-0	880	1090	3967500	1090	1010	7.339449541	23.86363636	
t+1	1090	895	15020000	900	895	0.555555556	-17.88990826	
t+2	895	705	10334500	705	700	0.709219858	-21.22905028	
t+3	705	680	5642000	685	680	0.729927007	-3.546099291	
t+4	680	620	105000	640	620	3.125	-8.823529412	
t+5	620	605	45500	625	610	2.4	-2.419354839	
t+6	605	610	70000	620	610	1.612903226	0.826446281	
t+7	610	610	99000	615	605	1.62601626	0	
t+8	610	635	148500	635	630	0.787401575	4.098360656	
t+9	635	650	139500	655	650	0.763358779	2.362204724	
t+10	650	655	18500	660	655	0.757575758	0.769230769	75.60196

16. MEDCO ENERGI INTERNASIONAL. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	4100	4275	328500	4300	4275	0.581395349	4.268292683	
t-9	4275	4100	120000	4225	4100	2.958579882	-4.093567251	
t-8	4100	4075	110500	4075	4050	0.613496933	-0.609756098	
t-7	4075	4050	91000	4050	4000	1.234567901	-0.613496933	
t-6	4050	4250	31000	4250	4225	0.588235294	4.938271605	
t-5	4250	4275	128500	4275	4225	1.169590643	0.588235294	
t-4	4275	4300	102000	4300	4225	1.744186047	0.584795322	
t-3	4300	4025	67500	4075	3950	3.067484663	-6.395348837	
t-2	4025	4050	126500	4100	3925	4.268292683	0.621118012	
t-1	4050	4250	306000	4325	4250	1.734104046	4.938271605	13.85384
t-0	850	850	1130000	875	850	2.857142857	0	
t+1	850	850	113500	850	800	5.882352941	0	
t+2	850	825	216000	825	775	6.060606061	-2.941176471	
t+3	825	825	677500	825	800	3.03030303	0	
t+4	825	825	2926500	825	800	3.03030303	0	
t+5	825	850	1361500	850	825	2.941176471	3.03030303	
t+6	850	825	748500	850	825	2.941176471	-2.941176471	
t+7	825	850	7333000	875	850	2.857142857	3.03030303	
t+8	850	925	4562500	925	900	2.702702703	8.823529412	
t+9	925	925	11622000	925	900	2.702702703	0	
t+10	925	925	5416000	950	925	2.631578947	0	11.71311

17. MITRA RAJASA TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	750	750	25000	750	725	3.333333333	0	
t-9	750	740	28000	750	735	2	-1.333333333	
t-8	740	725	10000	755	725	3.973509934	-2.027027027	
t-7	725	730	6000	740	730	1.351351351	0.689655172	
t-6	730	715	55000	770	720	6.493506494	-2.054794521	
t-5	715	725	17500	770	720	6.493506494	1.398601399	
t-4	725	790	491000	800	790	1.25	8.965517241	
t-3	790	790	90000	800	785	1.875	0	
t-2	790	765	180500	790	765	3.164556962	-3.164556962	
t-1	765	750	202500	750	740	1.333333333	-1.960784314	11.86153
t-0	375	415	194000	420	415	1.19047619	10.66666667	
t+1	415	425	3295500	430	425	1.162790698	2.409638554	
t+2	425	470	4309000	475	470	1.052631579	10.58823529	
t+3	470	410	24314000	415	410	1.204819277	-12.76595745	
t+4	410	395	5418500	400	395	1.25	-3.658536585	
t+5	395	385	132500	390	380	2.564102564	-2.53164557	
t+6	385	385	30000	390	385	1.282051282	0	
t+7	385	325	128500	350	325	7.142857143	-16.58441558	
t+8	325	365	73500	365	360	1.369863014	12.30769231	
t+9	365	355	57000	355	350	1.408450704	-2.739726027	
t+10	355	335	120500	340	335	1.470588235	-5.633802817	78.14156

18. PAN BROTHER TEX. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	2000	2000	32000	2050	2000	2.43902439	0	
t-9	2000	2100	17000	2100	2000	4.761904762	5	
t-8	2100	2100	33500	2100	2050	2.380952381	0	
t-7	2100	2125	76500	2125	2075	2.352941176	1.19047619	
t-6	2125	2050	1000	2100	2025	3.571428571	-3.529411765	
t-5	2050	2025	50000	2150	2025	5.813953488	-1.219512195	
t-4	2025	2000	9500	2025	2000	1.234567901	-1.234567901	
t-3	2000	2000	37500	2025	1975	2.469135802	0	
t-2	2000	1775	500	1975	1425	27.84810127	-11.25	
t-10	1775	1825	1000	1975		100	2.816901408	18.84621
t-0	365	365				0	0	
t+1	365	350	50000	375	325	13.33333333	-4.109589041	
t+2	350	325	25000	360	325	9.722222222	-7.142857143	
t+3	325	325	2500	325	300	7.692307692	0	
t+4	325	300	4500	360	300	16.66666667	-7.692307692	
t+5	300	300	7500	360	300	16.66666667	0	
t+6	300	375	29000	385	350	9.090909091	25	
t+7	375	380	75000	380	375	1.315789474	1.333333333	
t+8	390	390	1225000	390	385	1.282051282	0	
t+9	380	380	112500	385	380	1.298701299	0	
t+10	380	375	150000	380	370	2.631578947	-1.315789474	83.54466

19. PANIN INSURANCE. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	275	265	1935500	265	260	1.886792453	-3.636363636	
t-9	265	270	1279500	270	265	1.851851852	1.886792453	
t-8	270	270	1740500	270	265	1.851851852	0	
t-7	270	270	5600000	275	270	1.818181818	0	
t-6	270	280	4371500	280	275	1.785714286	3.703703704	
t-5	280	300	8590500	300	295	1.666666667	7.142857143	
t-4	300	300	7378500	300	295	1.666666667	0	
t-3	300	300	2671500	300	295	1.666666667	0	
t-2	300	295	2953500	300	295	1.666666667	-1.666666667	
t-10	295	305	6913500	310	305	1.612903226	3.389830508	9.342457
t-0	155	165	10934000	165	160	3.03030303	6.451612903	
t+1	165	165	3286500	165	160	3.03030303	0	
t+2	165	165	9667500	170	165	2.941176471	0	
t+3	165	165	4246500	170	165	2.941176471	0	
t+4	165	175	5878000	175	165	5.714285714	6.060606061	
t+5	175	165	2453500	170	165	2.941176471	-5.714285714	
t+6	165	165	7417000	165	165	6.060606061	0	
t+7	165	160	3953500	160	150	6.25	-3.03030303	
t+8	160	165	3643000	165	160	3.03030303	3.125	
t+9	165	160	1008500	160	155	3.125	-3.03030303	
t+10	160	150	2184500	155	150	3.225806452	-6.25	14.30715

20. PANIN SEKURITAS. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	250	255	27500	265	255	3.773584906	2	
t-9	255	250	115000	255	245	3.921568627	-1.960784314	
t-8	250	245	5000	265	245	7.547169811	-2	
t-7	245	250	30000	270	245	9.259259259	2.040816327	
t-6	250	240	7500	250	240	4	-4	
t-5	240	235	22500	240	230	4.166666667	-2.083333333	
t-4	235	245	6500	255	245	3.921568627	4.255319149	
t-3	245	245	5000	265	235	11.32075472	0	
t-2	245	250	12500	260	240	7.692307692	2.040816327	
t-10	250	240	5000	255	235	7.843137255	-4	8.138694
t-0	120	120		125	115	8	0	
t+1	120	115	195500	115	105	8.695652174	-4.166666667	
t+2	115	110	40000	115	110	4.347826087	-4.347826087	
t+3	110	115	61000	115	110	4.347826087	4.545454545	
t+4	115	115	500	120	115	4.166666667	0	
t+5	115	115	55000	120	115	4.166666667	0	
t+6	115	115	9600	115	110	4.347826087	0	
t+7	115	120	163500	120	110	8.333333333	4.347826087	
t+8	120	125	30000	125	115	8	4.166666667	
t+9	125	115	122500	120	115	4.166666667	-8	
t+10	115	110	132000	115	110	4.347826087	-4.347826087	18.88961

21. RAMAYANA LESTARI SENTOSA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	4975	4950	1033500	4950	4925	0.505050505	-0.502512563	
t-9	4950	5200	2271500	5250	5200	0.952380952	5.050505051	
t-8	5200	5800	4421000	5800	5750	0.862068966	11.53846154	
t-7	5800	5650	789000	5700	5650	0.877192982	-2.586206897	
t-6	5650	5500	1745500	5500	5450	0.909090909	-2.654867257	
t-5	5500	5450	810500	5750	5400	6.086956522	-0.909090909	
t-4	5450	5400	617000	5500	5400	1.818181818	-0.917431193	
t-3	5400	5400	429000	5450	5400	0.917431193	0	
t-2	5400	5500	1392500	5500	5450	0.909090909	1.851851852	
t-1	5500	5200	1292500	5250	5200	0.952380952	-5.454545455	22.72767
t-0	2600	2800	519000	2800	2750	1.785714286	7.692307692	
t+1	2800	2650	655500	2650	2625	0.943396226	-5.357142857	
t+2	2650	2650	217000	2675	2650	0.934579439	0	
t+3	2650	2700	21500	2700	2675	0.925925926	1.886792453	
t+4	2700	2725	186500	2750	2725	0.909090909	0.925925926	
t+5	2725	2775	364000	2800	2775	0.892857143	1.834862385	
t+6	2775	2800	287000	2825	2800	0.884955752	0.900909091	
t+7	2800	2825	1452500	2825	2800	0.884955752	0.892857143	
t+8	2825	2900	1042500	2900	2850	1.724137931	2.654867257	
t+9	2900	2775	1298500	2775	2750	0.900909091	-4.310344828	
t+10	2775	2650	4588500	2675	2650	0.934579439	-4.504504505	9.048159

22. RIMBA NIAGA IDOLA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	8500	8700	180500	8700	8600	1.149425287	2.352941176	
t-9	8700	9025	142000	9050	9025	0.276243094	3.735632184	
t-8	9025	8900	46000	8950	8875	0.837988827	-1.385041551	
t-7	8900	8875	206000	8900	8875	0.280898876	-0.280898876	
t-6	8875	8925	24500	8950	8900	0.558659218	0.563380282	
t-5	8925	8675	38500	8700	8650	0.574712644	-2.801120448	
t-4	8675	8625	27000	8800	8625	1.988636364	-0.576368876	
t-3	8625	8800	75000	8825	8750	0.849858357	2.028985507	
t-2	8800	8500	53000	8575	8500	0.874635569	-3.409090909	
t-1	8500	8575	10500	8575	8400	2.040816327	0.882352941	5.153139
t-0	875	750	12555000	775	750	3.225806452	-14.28571429	
t+1	750	725	9642500	750	725	3.333333333	-3.333333333	
t+2	725	725	2842500	725	700	3.448275862	0	
t+3	725	725	3540500	725	700	3.448275862	0	
t+4	725	725	672000	725	700	3.448275862	0	
t+5	725	700	4796500	700	675	3.571428571	-3.448275862	
t+6	700	700	10901000	700	675	3.571428571	0	
t+7	700	650	11826500	650	625	3.846153846	-7.142857143	
t+8	650	675	12907000	675	650	3.703703704	3.846153846	
t+9	675	675	4199000	675	650	3.703703704	0	
t+10	675	650	3412000	650	625	3.846153846	-3.703703704	9.282005

23. SARASA NUGRAHA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1425	1450	763500	1450	1425	1.724137931	1.754385965	
t-9	1450	1425	1626500	1425	1400	1.754385965	-1.724137931	
t-8	1425	1450	1243500	1475	1425	3.389830508	1.754385965	
t-7	1450	1550	4195500	1550	1525	1.612903226	6.896551724	
t-6	1550	1625	4912000	1650	1625	1.515151515	4.838709677	
t-5	1625	1700	5080000	1700	1675	1.470588235	4.615384615	
t-4	1700	1650	3971000	1650	1625	1.515151515	-2.941176471	
t-3	1650	1725	5857500	1750	1725	1.428671429	4.545454545	
t-2	1725	1700	3677000	1700	1650	2.941176471	-1.449275362	
t-1	1700	1600	910500	1600	1550	3.125	-5.882352941	16.89158
t-0	160	140	14362500	140	135	3.571428571	-12.5	
t+1	140	130	10001000	130	125	3.846153846	-7.142857143	
t+2	130	145	15643000	145	140	3.448275862	11.53846154	
t+3	145	150	14887500	150	145	3.333333333	3.448275862	
t+4	150	150	10765500	150	145	3.333333333	0	
t+5	150	150	8214500	150	145	3.333333333	0	
t+6	150	145	11490500	145	135	6.896551724	-3.333333333	
t+7	145	140	11028500	140	135	3.571428571	-3.448275862	
t+8	140	135	11425000	135	130	3.703703704	-3.571428571	
t+9	135	135	5810000	135	130	3.703703704	0	
t+10	135	135	13683000	135	130	3.703703704	0	25.68604

24. SONA TOPAS TOURISM INDUSTRY

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1000	1000	191000	1025	1000	2.43902439	0	
t-9	1000	975	4000	1000	975	2.5	-2.5	
t-8	975	975	15000	1000	975	2.5	0	
t-7	975	975	189000	1000	975	2.5	0	
t-6	975	975	53500	1000	975	2.5	0	
t-5	975	1025	129000	1025	1000	2.43902439	5.128205128	
t-4	1025	1000	20000	1025	1000	2.43902439	-2.43902439	
t-3	1000	1000	185000	1025	1000	2.43902439	0	
t-2	1000	975	25000	1025	975	4.87804878	-2.5	
t-1	975	975	75000	1000	975	2.5	0	4.912593
t-0	500	525	5000	525	350	33.33333333	5	
t+1	525	500	132500	525	500	4.761904762	-4.761904762	
t+2	500	500	193000	525	500	4.761904762	0	
t+3	500	500	60000	525	500	4.761904762	0	
t+4	500	500	260500	525	500	4.761904762	0	
t+5	500	500	175000	525	500	4.761904762	0	
t+6	500	475	621000	500	475	5	-5	
t+7	475	475	110000	500	475	5	0	
t+8	475	475	75000	500	475	5	0	
t+9	475	475	359500	450	425	5.555555556	0	
t+10	475	425	3000	500	475	5	-10.52631579	13.03532

25. SUMMITPLASA INTERBENUA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1750	1700	6500	1775	1700	4.225352113	-2.857142857	
t-9	1700	1725	2500	1725	1700	1.449275362	1.470588235	
t-8	1725	1700	4500	1700	1675	1.470588235	-1.449275362	
t-7	1700	1700	52500	1700	1675	1.470588235	0	
t-6	1700	1625	125500	1675	1600	4.47761194	-4.411764706	
t-5	1625	1650	64000	1675	1650	1.492537313	1.538461538	
t-4	1650	1625	28500	1650	1625	1.515151515	-1.515151515	
t-3	1625	1600	66000	1650	1600	3.03030303	-1.538461538	
t-2	1600	1600	12500	1650	1600	3.03030303	0	
t-1	1600	1650	1335000	1650	1625	1.515151515	3.125	5.056287
t-0	330	365	6524500	365	360	1.369863014	10.60606061	
t+1	365	390	10773500	395	385	2.53164557	6.849315068	
t+2	390	380	6281500	380	375	1.315789474	-2.564102564	
t+3	380	390	4873500	390	385	1.282051282	2.631578947	
t+4	390	405	5500000	405	400	1.234567901	3.846153846	
t+5	405	410	6066500	410	405	1.219512195	1.234567901	
t+6	410	400	5098500	410	400	2.43902439	-2.43902439	
t+7	400	400	2178000	400	390	2.5	0	
t+8	400	415	4920500	415	400	3.614457831	3.75	
t+9	415	400	861000	400	390	2.5	-3.614457831	
t+10	400	395	1366000	395	380	3.797468354	-1.25	11.582

26. TELAGAMAS PERTIWI. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1325	1375	8111000	1400	1375	1.785714286	3.773584906	
t-9	1375	1450	19910500	1475	1450	1.694915254	5.454545455	
t-8	1450	1525	12500000	1525	1500	1.639344262	5.172413793	
t-7	1525	1700	69393500	1700	1675	1.470588235	11.47540984	
t-6	1700	1675	45348000	1675	1650	1.492537313	-1.470588235	
t-5	1675	1650	9546000	1650	1625	1.515151515	-1.492537313	
t-4	1650	1650	3219000	1650	1625	1.515151515	0	
t-3	1650	1650	8400500	1650	1625	1.515151515	0	
t-2	1650	1575	4579500	1575	1550	1.587301587	-4.545454545	
t-1	1575	1450	7107500	1450	1425	1.724137931	-7.936507937	31.06558
t-0	600	675	11064000	675	650	3.703703704	12.5	
t+1	675	650	3824500	650	625	3.846153846	-3.703703704	
t+2	650	625	2196500	625	600	4	-3.846153846	
t+3	625	625	1053500	625	600	4	0	
t+4	625	575	2221500	600	575	4.166666667	-8	
t+5	575	575	913500	575	550	4.347826087	0	
t+6	575	575	1686000	575	550	4.347826087	0	
t+7	575	550	1664500	575	550	4.347826087	-4.347826087	
t+8	550	525	4349000	525	500	4.761904762	-4.545454545	
t+9	525	475	7008000	500	475	5	-9.523809524	
t+10	475	550	10031000	575	550	4.347826087	15.78947368	48.7826

27. TIRTA MAHAKAM PLYWOOD. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1950	1950	5500	1975	1850	6.329113924	0	
t-9	1950	1850	500	1975	1825	7.594936709	-5.128205128	
t-8	1850	1850	4500	1950	1875	3.846153846	0	
t-7	1850	1800	10500	1900	1800	5.263157895	-2.702702703	
t-6	1800	1800	2000	1950	1775	8.974358974	0	
t-5	1800	1800	7000	1950	1800	7.692307692	0	
t-4	1800	1800	8000	1950	1800	7.692307692	0	
t-3	1800	2000	1500	2000	1850	7.5	11.11111111	
t-2	2000	2000	6000	2075	2000	3.614457831	0	
t-1	2000	2000	23000	2000	1850	7.5	0	17.33155
t-0	500	450	34000	475	450	5.263157895	-10	
t+1	450	475	558000	500	475	5	5.555555556	
t+2	475	600	6681000	600	575	4.166666667	26.31578947	
t+3	600	750	48651000	750	725	3.333333333	25	
t+4	750	700	45237500	725	700	3.448275862	-6.666666667	
t+5	700	750	18519500	775	750	3.225806452	7.142857143	
t+6	750	800	15337000	825	800	3.03030303	6.666666667	
t+7	800	600	27936000	600	575	4.166666667	-25	
t+8	600	450	12898000	450	425	5.555555556	-25	
t+9	450	400	2522500	425	400	5.882352941	-11.11111111	
t+10	400	450	5285500	450	425	5.555555556	12.5	332.6973

28. TUNAS RIDEAN. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	1525	1550	140000	1550	1525	1.612903226	1.639344262	
t-9	1550	1575	465000	1600	1575	1.5625	1.612903226	
t-8	1575	1800	1789000	1800	1750	2.777777778	14.28571429	
t-7	1800	1800	828000	1850	1825	1.351351351	0	
t-6	1800	1850	530000	1850	1825	1.351351351	2.777777778	
t-5	1850	1800	1566500	1800	1775	1.388888889	-2.702702703	
t-4	1800	1700	739500	1700	1675	1.470588235	-5.555555556	
t-3	1700	1750	428500	1750	1675	4.285714286	2.941176471	
t-2	1750	1700	139000	1700	1675	1.470588235	-2.857142857	
t-1	1700	1650	293500	1650	1625	1.515151515	-2.941176471	30.25056
t-0	330	310	1595000	315	310	1.587301587	-6.060606061	
t+1	310	315	855500	315	310	1.587301587	1.612903226	
t+2	315	330	2106500	330	325	1.515151515	4.761904762	
t+3	330	355	5955000	360	355	1.388888889	7.575757576	
t+4	355	345	3168500	345	340	1.449275362	-2.816901408	
t+5	345	340	860500	345	340	1.449275362	-1.449275362	
t+6	340	340	1306500	345	340	1.449275362	0	
t+7	340	340	808000	345	340	1.449275362	0	
t+8	340	345	1730000	345	340	1.449275362	1.470588235	
t+9	345	335	1394000	335	330	1.492537313	-2.898550725	
t+10	335	325	1536000	325	315	3.076923077	-2.985074627	12.15565

29. UNILEVER INDONESIA. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	135000	140000	1000	143000	140000	2.097902098	3.703703704	
t-9	140000	143500	500	145000	140000	3.448275862	2.5	
t-8	143500	145000	2000	146000	145000	0.684931507	1.045296167	
t-7	145000	145000	13500	147000	145000	1.360544218	0	
t-6	145000	146000	1000	149000	140000	6.040268456	0.689655172	
t-5	146000	147000	2000	149000	140000	6.040268456	0.684931507	
t-4	147000	147000	4000	146000	140500	3.767123288	0	
t-3	147000	147000	4500	143500	142500	0.696864111	0	
t-2	147000	144000	500	145000	142500	1.724137931	-2.040816327	
t-1	144000	148000	1000	148000	142500	3.716216216	2.777777778	2.791535
t-0	14800	14000	22000	14650	14000	4.436860068	-5.405405405	
t+1	14000	14050	18000	14200	14000	1.408450704	0.357142857	
t+2	14050	14000	74000	14000	13900	0.714285714	-0.355871886	
t+3	14000	14000	30500	14100	13950	1.063829787	0	
t+4	14000	14000	10500	14000	13850	1.071428571	0	
t+5	14000	14000	1500	14000	13800	1.428571429	0	
t+6	14000	13700	27500	13700	13500	1.459854015	-2.142857143	
t+7	13700	13650	8000	13650	13400	1.831501832	-0.364963504	
t+8	13650	13600	8000	13600	13100	3.676470588	-0.366300366	
t+9	13600	13700	43000	13700	13500	1.459854015	0.735294118	
t+10	13700	13750	6500	13800	13500	2.173913043	0.364963504	0.608117

30. VOKSEL ELECTRIC. TBK

Tabel Harga Saham, Volume perdagangan, spread, persentase Harga Saham dan Volatilitas

Date	Open Price	Closing Price	Volume	Ask Price	Bid Price	Spread (%)	Persentase Harga Saham	Volatilitas
t-10	200	200	2500	200	170	15	0	
t-9	200	200	12500	210	190	9.523809524	0	
t-8	200	210	7500	240	210	12.5	5	
t-7	210	225	5000	225	210	6.666666667	7.142857143	
t-6	225	235	20000	245	230	6.12244898	4.444444444	
t-5	235	250	15000	250	235	6	6.382978723	
t-4	250	285	46000	285	280	1.754385965	14	
t-3	285	300	18000	300	280	6.666666667	5.263157895	
t-2	300	360	124500	370	340	8.108108108	20	
t-10	360	390	81500	390	360	7.692307692	8.333333333	36.85492
t-0	195	195	60000	190	180	5.263157895	0	
t+1	195	175	16000	170	155	8.823529412	-10.25641026	
t+2	175	170	13000	175	170	2.857142857	-2.857142857	
t+3	170	165	22500	170	160	5.882352941	-2.941176471	
t+4	165	150	100500	160	155	3.125	-9.090909091	
t+5	150	150	65000	150	145	3.333333333	0	
t+6	150	125	491000	135	125	7.407407407	-16.666666667	
t+7	125	160	1055500	160	155	3.125	28	
t+8	160	150	76000	150	145	3.333333333	-6.25	
t+9	150	135	39500	150	135	10	-10	
t+10	135	140	27500	140	135	3.571428571	3.703703704	149.9703

LAMPIRAN 2
DATA DAN RATA-RATA HARGA SAHAM PADA PERIODE PENGAMATAN

KODE	CLOSING PRICE																				
	t-10	t-9	t-8	t-7	t-6	t-5	t-4	t-3	t-2	t-1	t=0	t+1	t+2	t+3	t+4	t+5	t+6	t+7	t+8	t+9	t+10
ACAP	2025	2025	2025	2025	1850	1850	1875	1875	1875	1875	1875	345	325	350	355	360	355	365	360	345	345
ASGR	8525	8400	8500	8450	8500	8500	8360	8100	8100	8100	8100	1000	975	950	950	950	900	925	950	975	975
ASDM	400	390	400	395	370	350	400	420	400	420	415	215	205	225	235	225	210	185	190	200	200
BGMT	1050	1050	1050	1050	1075	1050	1050	1050	1100	1100	1075	1100	1075	1075	1075	1025	1050	1075	1050	1000	1000
BBCA	1850	1825	1875	1700	1700	1700	1700	1700	1700	1725	1725	875	900	950	900	925	925	925	925	1025	1050
BHIT	1850	1825	2025	2225	2175	2100	1975	2400	2600	2600	2375	1150	1150	1150	1100	1075	1025	1025	1025	1050	1050
CPIN	2550	2550	2550	2600	2600	2600	2600	2600	2600	2600	2600	525	525	525	525	500	500	475	500	525	550
EPMT	1225	1350	1475	1650	1650	1850	1900	1825	1850	1900	1900	390	385	400	400	400	395	390	385	380	370
FMII	1100	1075	1050	1050	1025	1025	1000	1025	1050	1050	1050	200	210	215	210	210	205	200	190	195	195
HEXA	1100	1100	1150	1325	1400	1350	1300	1150	1200	1150	1150	850	840	790	775	790	775	755	750	770	790
INDF	3950	3635	3850	3630	3835	3710	3800	3800	3810	4025	4025	850	850	825	825	825	850	850	850	925	925
INTA	1050	1005	1000	1000	1025	1050	1075	1025	1025	1050	1050	525	525	525	500	450	425	430	475	460	410
JAKA	1925	1925	1925	1950	1925	1925	1925	1925	1925	1925	1900	195	200	205	205	190	190	205	260	210	225
MRTI	135	115	115	110	100	90	95	95	95	100	95	90	90	90	75	65	60	60	60	65	65
MREI	1600	1600	1575	1600	1575	1600	1575	1600	1800	1800	2200	1090	895	705	680	620	605	610	610	635	650
MEDEC	4275	4100	4075	4050	4250	4275	4300	4025	4050	4050	4250	850	850	825	825	825	850	825	850	925	925
MIRA	750	740	725	730	715	725	790	790	765	750	750	415	425	470	410	395	385	325	365	355	335
PBRX	2000	2100	2100	2125	2050	2025	2000	2000	1775	1825	1825	365	350	325	325	300	300	375	380	390	375
PNIN	265	270	270	270	280	300	300	300	295	305	305	165	165	165	165	175	165	165	160	165	150
PANS	255	250	245	250	240	235	245	245	250	250	240	120	115	110	110	115	115	115	120	125	115
RAIS	4950	5200	5800	5650	5500	5450	5400	5400	5500	5500	5200	2800	2650	2650	2700	2725	2775	2800	2825	2900	2650
RIBA	8700	9025	8900	8875	8925	8675	8625	8600	8500	8500	8575	750	725	725	725	725	700	700	650	675	650
SRSN	1450	1425	1450	1550	1625	1700	1650	1725	1700	1700	1600	140	130	145	150	150	145	140	135	135	135
SONA	1000	975	975	975	975	1025	1000	1000	975	975	975	525	500	500	500	500	500	475	475	475	425
SMPN	1700	1725	1700	1700	1625	1650	1625	1600	1600	1600	1650	365	390	390	390	405	410	400	400	415	395
TMPI	1375	1450	1525	1700	1700	1675	1650	1650	1575	1450	1450	675	650	625	625	575	575	575	550	525	550
TIRT	1950	1850	1850	1800	1800	1800	1800	2000	2000	2000	2000	450	475	600	750	700	800	600	450	400	450
TURI	1550	1575	1800	1800	1850	1800	1700	1750	1700	1650	1650	310	315	330	355	345	340	340	345	335	325
UNWR	140000	143500	145000	145000	146000	147000	147000	147000	144000	148000	148000	14000	14050	14000	14000	14000	14000	13700	13650	13700	13750
VOCS	200	200	210	225	235	250	285	300	360	390	390	195	175	170	165	150	125	160	150	135	140
Rata-rata	6685.2	6803.5	6899.67	6922	6952.33	6977.7	6973.8	6966	6868.3	7013.17	1043.3	1030.5	1027.2	1026.2	1017	1013.7	1004.7	998.67	997.7	995	993.7

Sumber : - Indonesian Capital Market Directory 2000 - 2004
- J S X Monthly Statistics 2000 - 2004

LAMPIRAN 3

DATA DAN RATA-RATA VOLUME PERDAGANGAN PADA PERIODE PENGAMATAN

KODE	VOLUME PERDAGANGAN																				
	t+10	t+9	t+8	t+7	t+6	t+5	t+4	t+3	t+2	t+1	t-1	t-2	t-3	t-4	t-5	t-6	t-7	t-8	t-9	t-10	
ACAP	25000	17500	12500	12500	12500	48000	51500	20000	30000	42500	807500	1425000	2847500	1060000	422500	315000	98500	665000	87500	377500	245000
ASGR	27000	268500	264000	214000	246000	172500	102000	198500	15500	181000	43801900	14885500	18021000	8729500	7757500	2763000	3450000	10736000	4489000	5303000	13689500
ASJMI	2900	2500	13000	36500	1000	20000	42500	22500	8000	99000	22000	20000	280000	1813500	1082500	2031500	625000	75000	10000	57500	92000
BGMT	237000	45900	17500	81000	197500	4000	95500	82000	1425500	234500	960000	925000	1400000	1400000	476500	216500	167000	124500	340000	156000	15000
BBCA	175000	103000	105000	1270000	620000	475000	1286000	1215000	220000	980000	1690000	6580000	7255000	6580000	3005000	1715000	1600000	8750000	5090000	41955000	34735000
BHIT	1483500	2427500	10481500	39457500	24520000	11788500	3553500	5328500	7431000	12182000	17532500	26839500	7369000	1575000	2929500	9436500	4016000	5211500	2517500	8884500	3487500
CPIN	4600	12500	5000	13500	9000	67500	23500	78500	26000	10000	87500	90000	20000	87500	60000	60000	240500	459500	5000	5000	196000
EPMT	723000	5094500	1567000	3426000	2534000	7887000	2082500	1920000	1067000	4114500	26832000	5302500	17859000	8582000	5982000	6250500	3707500	1678000	2860000	1069000	2552000
FMIH	75000	87500	30000	27000	30000	18000	67500	25000	25000	25000	125000	1879500	2427500	362500	45000	185000	2113000	3183000	1555000	1900000	1760000
HEXA	10000	12500	3500	553500	266500	5500	21500	32000	8000	17500	500	5500	51000	15000	2500	21500	13500	11000	10000	10000	40000
INDE	2342000	11913000	7618000	5451000	1322000	2222000	1181500	1136000	776000	2293000	69460500	40054000	71358500	49498000	16229500	36830500	25483500	31377500	43774000	27924500	14000
INTA	50000	500	2000	16500	10000	1000	23000	1000	1000	32500	81000	14500	42000	23000	17500	7500	5000	9000	9000	16000	14000
JAKA	29000	125000	50000	5000	1336000	5000	10000	17500	2500	10000	55084000	18082500	21439900	7287500	21600000	655000	39848500	46790000	77862500	34823500	1429000
MITI	1484000	11239000	4259500	4484500	1753500	2998500	57500	2022500	4867500	7261000	6039000	2746000	10870500	6531500	9690000	657500	5916000	2159500	2700500	1222500	1429000
MREI	15000	4500	1500	1500	4500	22500	4500	20500	4000	46000	3987500	15020000	10334500	9642000	105000	45500	70000	90000	148500	139500	18500
MEDC	328500	120000	110500	91000	31000	128800	102000	67500	126500	306000	1130000	113500	216000	677500	2928500	1361500	748500	7333000	4562500	11622000	5416000
MIRA	25000	28000	10000	6000	5500	17500	491000	90000	160500	202500	194000	3285500	4309000	24314000	5418500	132500	29000	75000	1225000	112500	150000
PBRX	37000	17000	33500	76500	1000	50000	9500	37500	500	1000	50000	25000	25000	2500	4500	7500	29000	75000	1225000	112500	150000
PNIN	1935500	1279500	1740500	5600000	4371500	8590500	7379500	2671500	2953500	6913500	10934000	3286500	9667500	4246500	5878000	2453500	7417000	3953500	3643000	1008500	2184500
PANS	27500	115000	5000	30000	7500	22500	6500	5000	12500	5000	195500	40000	61000	5000	55000	5000	163500	30000	122500	132000	132000
RAIS	1033500	2271500	4421000	789000	1746500	810500	617000	425000	1392500	1292500	519000	655500	217000	21500	188500	364000	287000	1452500	1042500	1296500	4588500
RMBA	180500	142000	46000	208000	24500	39500	27000	75000	53000	10500	12555000	9642500	2842500	3540500	672000	4796500	10901000	11826500	12907000	4199000	3412000
SRSN	763500	1626500	1243500	4199500	4812000	5080000	3871000	5857500	3677000	910500	14362500	10001000	15643000	14887500	10765500	8214500	11499500	11028500	11425000	5610000	13683000
SONA	181000	4000	15000	188000	53500	125000	20000	185000	25000	75000	193000	132500	193000	60000	260500	175000	621000	110000	75000	359500	3000
SMPL	6500	2500	4500	52500	125500	64000	28500	68000	12500	1335000	6524500	10773500	6281500	4873500	5500000	6066500	5098500	2178000	4920500	861000	1368000
TMPI	811000	15910500	12500000	69393500	45348000	9546000	3218000	8400500	4579500	7107500	11084000	3824500	2198500	1053500	2221500	913500	1686000	1664500	4348000	7008000	10031000
TIRT	5500	500	4500	109500	2000	7000	8000	1500	6000	23000	34000	34000	2198500	1053500	48651000	45237500	18519500	15337000	27956000	12898000	5285500
TURI	140000	465000	1785000	828000	530000	1566500	739500	428500	139000	293500	1595000	855500	2106500	5955000	3168500	860500	1306500	808000	1730000	1394000	1536000
UNWR	1000	500	2000	13500	1000	2000	4000	4500	500	1000	18000	74000	74000	36500	10500	1500	27500	8000	6000	43000	6500
VOCS	2500	12500	7500	5000	20000	15000	46000	18000	124500	81500	60000	16000	13000	22500	100500	95000	491000	1055500	76000	39500	27500
Rata-rata	874170	1941500	1546750	4949167	3002066	1726233	855900	1014217	973400	1522550	10515389	50527167	6336117	7686333	6165983	2819266	75063533	58306667	65833667	73389507	56324167

Sumber : - Indonesian Capital Market Directory 2000 - 2004
 - J S X Monthly Statistics 2000 - 2004

LAMPIRAN 5
 DATA PERSENTASE HARGA SAHAM DAN RATA-RATA VOLATILITAS HARGA SAHAM PADA PERIODE PENGAMATAN

KODE	PERSENTASE HARGA SAHAM										VOLATILITAS									
	t-10	t-9	t-8	t-7	t-6	t-5	t-4	t-3	t-2	t-1	t-10	t-9	t-8	t-7	t-6	t-5	t-4	t-3	t-2	t-1
ACAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASGR	1.480052	1.486273	1.1907618	0.5882352	0.5917198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASOM	1.268028	2.3	2.564102484	1.25	1.78582278	5.12820513	5.60540756	14.2857143	5.1	1.9041819	2.3093233	4.6516279	9.7909796	4.4444444	4.2551915	5.6586667	11.9347619	2.702027	0	0
BGNT	2.430024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRECA	3.152	1.515152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BHIT	0.990992	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CPNI	12.5	10.200016	9.28875829	11.664465	1.96078431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPMT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIHL	4.347628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEXA	0.378102	7.9746835	5.914718019	0.5184052	0.130483	3.2594241	2.42887601	2.42887601	0	0	0	0	0	0	0	0	0	0	0	0
INOF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAJKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEAX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEYZ	0	0	0	0																

LAMPIRAN 6
DATA GRAFIK RATA-RATA VOLATILITAS PERDAGANGAN PADA PERIODE PENGAMATAN

KODE	1+10	1+9	1+8	1+7	1+6	1+5	1+4	1+3	1+2	1+1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10		
ACAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ASGR	4.480952	1.662257	1.9047819	-0.5882353	0.59171598	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASDM	1.2658228	-2.3	2.55410256	-1.25	-0.62278	-0.12820912	-0.40540541	-4.2857142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGAM	2.439244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBCA	3.125	1.51515152	0	1.4925373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BHIT	-1.3333333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CPIN	0.959095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPMT	-12.5	10.2040816	2.5925925	11.864407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FML	0	2.272727	2.3255814	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEXA	-4.347826	0	4.5454545	15.217391	5.6603776	-0.97142857	-3.7037037	-11.5384615	4.34782609	-1.6666667	0.8955217	0	0	0	0	0	0	0	0	0	0	0	0
INDF	-0.3793102	7.9746835	9.1471802	-0.594805	0.1305483	3.25945241	2.42387601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JNTA	0	4.2857143	-0.4875724	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAKA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MITI	0	-14.814813	0	-4.347826	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MPRI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDC	4.282292	-4.0935873	-0.6097461	-0.6134969	4.9382716	0.38823259	0.56879532	-4.39534884	0.8211801	8.9382716	0	0	0	0	0	0	0	0	0	0	0	0	0
MIRA	0	-1.3333333	3.027027	0.669852	-3.05478452	1.9865014	0.96451724	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FBRX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PNIN	3.5363636	1.8679245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANS	2	-1.9607843	2	0.009183	4	2.08330333	4.25531915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAIS	-0.5025726	5.05050505	11.5384615	-2.5862069	-2.63485728	0.90599991	-0.91743119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RMBM	2.3529412	3.73563213	-1.3650416	-0.2808968	0.56336528	-2.80112045	-0.57636888	2.02896551	3.4096909	0.892352594	-14.2857143	-3.33333333	0	0	0	0	0	0	0	0	0	0	0
SRSN	1.754306	-1.7241379	1.54383586	8.8905517	4.83070568	4.51538462	-2.84117647	4.5454545	-1.4492754	5.86235294	-12.5	-7.14285714	11.5384615	4.44827585	0	0	0	0	0	0	0	0	0
SONA	0	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMP1	2.8571429	4.7059824	-1.4492754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IMPI	3.7735943	5.45454545	5.17241379	11.475441	-1.47058824	-1.45253731	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIRT	0	5.1282051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUR1	1.6393443	1.61290323	14.2857143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNWR	3.7037037	0	2.5	1.04529617	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VOC5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RateRate	0.1081602	-0.3874681	2.04574975	1.9948195	-0.378705972	0.15615804	0.46440534	0.28750028	1.58701015	0.49948444	0.26145515	-1.5717429	0.66612108	0.01275683	2.45610901	-1.20958485	0.40297959	0.67318811	-0.22595937	-1.32574874	-0.04835331	0	0

Sumber : - Indonesian Capital Market Directory 2000 - 2004
- J S X Monthly Statistics 2000 - 2004

LAMPIRAN 7

TABEL NILAI RATA-RATA HARGA SAHAM, VOLUME PERDAGANGAN, VOLATILITAS DAN PERSENTASE SPREAD PADA PERIODE SEBELUM DAN SESUDAH STOCK SPLIT

KODE	NILAI RATA-RATA SEBELUM STOCK SPLIT				NILAI RATA-RATA SESUDAH STOCK SPLIT			
	Harga Saham	Volume Perdagangan	% Spread	Volatilitas	Harga Saham	Volume Perdagangan	% Spread	Volatilitas
ACAP	1930	27300	34,99949399	2648,034151	351,5	830350	1,691416794	13,98502363
ASGR	8392,5	190900	2,56793929	1,922313894	947,5	9082400	2,618448408	8,471268327
ASDM	393	31800	6,597897903	33,28250053	206,5	608700	3,814598624	41,44751157
BGMT	1060	251550	2,78012685	4,709281046	1042,5	174400	2,359865598	6,450251354
BBCA	1695	685500	1,475171804	1,186624921	945	11093500	2,652062479	17,83227689
BHIT	2105	11263350	1,195136481	72,85297557	1067,5	7325700	2,346413708	4,87215465
CPIN	2585	25010	3,791349998	0,384467512	515	115950	5,722661397	13,36469132
EPMT	1667,5	3689450	1,521786002	61,30832397	388	5603750	1,284446877	2,688230004
FMII	1045	46800	2,846590449	3,598206036	202,5	1541150	2,913107312	8,796140521
HEXA	1222,5	97000	5,571617603	55,38334807	610	18000	6,129600373	7,531004863
INDF	3824,5	3625450	0,324085566	16,32526747	781,5	36267050	0,704466779	5,445626483
INTA	1033	13750	6,736046315	7,117139755	462,5	15450	6,809613067	32,44369617
JAKA	1925	159000	3,363303363	0,370028092	213	35441000	2,322178353	137,8465464
MITI	105	4078550	5,190095077	44,37668046	68,5	4591300	7,186050061	42,06581242
MREI	1672,5	12500	5,590438137	60,43104814	666,5	3162250	1,306695802	75,60195857
MEDC	4165	141150	1,795993344	13,853837	862,5	3497700	3,478000452	11,71310815
MIRA	748	110550	3,12680979	11,86152854	385	3787900	1,99081545	78,14155724
PBRX	2000	25850	15,28720097	18,84620965	350	168100	7,970022667	83,54465886
PNIN	285,5	4343450	1,747396215	9,34245689	163,5	4373850	3,92598337	14,30714531
PANS	245,5	23650	6,344601756	8,138694295	115,5	80950	5,492028986	18,88960601
RALS	5405	1480200	1,478982571	22,72767392	2745	1011350	0,993537942	9,048159277
RMBA	8760	80300	0,943187456	5,153138541	695	6473950	3,592073316	9,282005465
SRSN	1587,5	3223700	2,047689679	16,8915759	141,5	11294850	3,887352111	25,68603797
SONA	987,5	88650	2,713414634	4,91259325	482,5	198950	4,936507937	13,03531908
SMPL	1657,5	169750	2,367686229	5,05628674	398,5	4791900	2,2434517	11,58199816
TMPI	1570	18811550	1,593999341	31,06558008	572,5	3494800	4,316602962	48,78260446
TIRT	1885	6850	6,600679456	17,33154517	597,5	18362600	4,336451606	332,6972821
TURI	1717,5	691900	1,878881487	30,25056317	337	1972050	1,6307717919	12,15364565
UNVR	145250	3000	2,957653214	2,791535045	13845	22750	1,62881597	0,608117142
VOCS	265,5	33250	8,00343936	36,8549181	152	190650	5,145852786	149,970275
Jumlah	207185	53431710	143,4384997	3246,359492	30311	175593300	105,4298486	1238,285713
Rata-rata	6906,166667	1781057	4,781283325	108,2119831	1010,366667	5853110	3,514328287	41,27619043

Sumber : - Indonesian Capital Market Directory 2000 - 2004
 - J S X Monthly Statistics 2000 - 2004

UJI BEDA DUA RATA-RATA VOLUME PERDAGANGAN SAHAM

T-Test

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 volume saham sebelum	1780020.8	30	2974203.0376	543012.70
volume saham sesudah	5853110.0	30	9212738.4546	1682008.2

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 volume saham sebelum & volume saham sesudah	30	.097	.609

Paired Samples Test

	Paired Differences							
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
				Lower	Upper			
Pair 1 volume saham sebelum - volume saham sesudah	-4073089	9401780.5162	1716522.4	-7583772	-562406.6	-2.373	29	.024

LAMPIRAN 8

UJI BEDA DUA RATA-RATA HARGA SAHAM

T-Test

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 harga saham sebelum	3.2090	30	.57087	.10423
1 harga saham sesudah	2.6746	30	.44045	.08041

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 harga saham sebelum & harga saham sesudah	30	.861	.000

Paired Samples Test

	Mean	Std. Deviation	Paired Differences				t	df	Sig. (2-tailed)
			Std. Error Mean	95% Confidence Interval of the Difference		Sig. (2-tailed)			
				Lower	Upper				
Pair 1 harga saham sebelum - harga saham sesudah	.5344	.29450	.05377	.4244	.6444	9.939	29	.000	

LAMPIRAN 10

UJI BEDA DUA RATA-RATA PERSENTASE SPREAD

T-Test

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 spread saham sebelum	.3897	30	.56844	.10378
spread saham sesudah	.1939	30	.74595	.13619

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 spread saham sebelum & spread saham sesudah	30	-.209	.268

Paired Samples Test

	Mean	Std. Deviation	Paired Differences				t	df	Sig. (2-tailed)
			Mean	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1 spread saham sebelum - spread saham sesudah	.1958	1.02793	.18767	-.1880	.5796	1.043	29	.305	

LAMPIRAN 11

UJI BEDA DUA RATA-RATA VOLATILITAS SAHAM

T-Test

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 varians saham sebelum	236070.52	30	1288387.5167	235226.30
varians saham sesudah	6029.3476	30	20477.45440	3738.6546

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 varians saham sebelum & varians saham sesudah	30	-.054	.777

Paired Samples Test

	Paired Differences							
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
				Lower	Upper			
Pair 1 varians saham sebelum - varians saham sesudah	230041.18	1289652.9499	235457.34	-251523.1	711605.50	.977	29	.337