

LAMPIRAN 2

POPULASI DAN SAMPEL PENELITIAN

A. Populasi Penelitian

No.	Perusahaan	Kriteria 1 & 2		Kriteria 3	Keterangan
		Periode 1	Periode 2	<i>Stock Split</i>	
1.	ADHI	✓	x	✓	Ditolak
2.	ADRO	✓	✓	✓	Diterima
3.	AKRA	✓	✓	x	Ditolak
4.	ANTM	✓	✓	x	Ditolak
5.	ASII	✓	✓	x	Ditolak
6.	BBCA	✓	✓	x	Ditolak
7.	BBNI	✓	✓	✓	Diterima
8.	BBRI	✓	✓	x	Ditolak
9.	BBTN	✓	✓	✓	Diterima
10.	BMRI	✓	✓	x	Ditolak
11.	BRPT	✓	✓	x	Ditolak
12.	BSDE	✓	✓	✓	Diterima
13.	BTPS	x	✓	✓	Ditolak
14.	CPIN	✓	✓	x	Ditolak
15.	CTRA	x	✓	x	Ditolak
16.	ELSA	✓	x	✓	Ditolak
17.	ERAA	✓	✓	✓	Diterima
18.	EXCL	✓	✓	✓	Diterima
19.	GGRM	✓	✓	x	Ditolak
20.	HMSP	✓	✓	x	Ditolak
21.	ICBP	✓	✓	x	Ditolak
22.	INCO	✓	✓	x	Ditolak
23.	INDF	✓	✓	x	Ditolak
24.	INDY	✓	✓	✓	Diterima
25.	INKP	✓	✓	✓	Diterima
26.	INTP	✓	✓	x	Ditolak
27.	ITMG	✓	✓	✓	Diterima
28.	JPFA	x	✓	x	Ditolak
29.	JSMR	✓	✓	✓	Diterima
30.	KLBF	✓	✓	x	Ditolak
31.	LPPF	✓	✓	✓	Diterima
32.	MEDC	✓	✓	x	Ditolak
33.	MNCN	✓	✓	✓	Diterima
34.	PGAS	✓	✓	x	Ditolak
35.	PTBA	✓	✓	x	Ditolak
36.	PTPP	✓	✓	✓	Diterima
37.	PWON	✓	✓	x	Ditolak
38.	SCMA	✓	✓	x	Ditolak

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39.	SMGR	✓	✓	×	Ditolak
40.	SRIL	✓	✓	✓	Diterima
41.	TKIM	✓	✓	✓	Diterima
42.	TLKM	✓	✓	×	Ditolak
43.	TPIA	✓	✓	×	Ditolak
44.	UNTR	✓	✓	×	Ditolak
45.	UNVR	✓	✓	×	Ditolak
46.	WIKA	✓	✓	✓	Diterima
47.	WSBP	✓	×	✓	Ditolak
48.	WSKT	✓	✓	✓	Diterima

B. Sample Penelitian

No.	Kode	Nama Emiten
1.	ADRO	Adaro Energy Tbk.
2.	BBNI	Bank Negara Indonesia (Persero) Tbk.
3.	BBTN	Bank Tabungan Negara (Persero) Tbk.
4.	BSDE	Bumi Serpong Damai Tbk.
5.	ERAA	Erajaya Swasembada Tbk.
6.	EXCL	XL Axianta Tbk.
7.	INDY	Indika Engery Tbk.
8.	INKP	Indah Kiat Pulp & Paper Tbk.
9.	ITMG	Indo Tambangraya Megah Tbk.
10.	JSMR	Jasa Marga (Persero) Tbk.
11.	LPPF	Matahari Department Store Tbk.
12.	MNCN	Media Nusantara Citra Tbk.
13.	PTPP	PP (Persero) Tbk.
14.	SRIL	Sri Rejeki Isman Tbk.
15.	TKIM	Pabrik Kertas Tjiwi Kimia Tbk.
16.	WIKA	Wijaya Karya (Persero) Tbk.
17.	WSKT	Waskita Karya (Persero) Tbk.

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LAMPIRAN 3

DATA RETURN HARIAN

A. Return Saham Harian Perusahaan

1. Adaro Energy Tbk. (ADRO)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	1390		01-Feb-19	1375	-0.01079
04-Feb-19	1360	-0.01091	05-Feb-19	0	0	06-Feb-19	1365	0.00368	07-Feb-19	1345	-0.01465	08-Feb-19	1305	-0.02974
11-Feb-19	1260	-0.03448	12-Feb-19	1275	0.01190	13-Feb-19	1260	-0.01176	14-Feb-19	1240	-0.01587	15-Feb-19	1220	-0.01613
18-Feb-19	1245	0.02049	19-Feb-19	1295	0.04016	20-Feb-19	1345	0.03861	21-Feb-19	1415	0.05204	22-Feb-19	1410	-0.00353
25-Feb-19	1405	-0.00355	26-Feb-19	1350	-0.03915	27-Feb-19	1375	0.01852	28-Feb-19	1310	-0.04727	01-Mar-19	1310	0
04-Mar-19	1410	0.07634	05-Mar-19	1400	-0.00709	06-Mar-19	1360	-0.02857	07-Mar-19	0	0	08-Mar-19	1390	0.02206
11-Mar-19	1450	0.04317	12-Mar-19	1390	-0.04138	13-Mar-19	1440	0.03597	14-Mar-19	1460	0.01389	15-Mar-19	1435	-0.01712
18-Mar-19	1430	-0.00348	19-Mar-19	1435	0.00350	20-Mar-19	1430	-0.00348	21-Mar-19	1520	0.06294	22-Mar-19	1415	-0.06908
25-Mar-19	1345	-0.04947	26-Mar-19	1360	0.01115	27-Mar-19	1350	-0.00735	28-Mar-19	1340	-0.0074	29-Mar-19	1340	0.00000
01-Apr-19	1350	0.00746	02-Apr-19	1325	-0.01852	03-Apr-19	0	0	04-Apr-19	1275	-0.03774	05-Apr-19	1260	-0.01176
08-Apr-19	1260	0	09-Apr-19	1295	0.02778	10-Apr-19	1300	0.003861	11-Apr-19	1295	-0.00385	12-Apr-19	1300	0.00386
15-Apr-19	1285	-0.01154	16-Apr-19	1305	0.01556	17-Apr-19	0	0	18-Apr-19	1295	-0.00766	19-Apr-19	0	0
22-Apr-19	1270	-0.01931	23-Apr-19	1305	0.02756	24-Apr-19	1305	0	25-Apr-19	1290	-0.01149	26-Apr-19	1290	0.00000
29-Apr-19	1315	0.01938	30-Apr-19	1305	-0.00760	01-May-19	0	0	02-May-19	1345	0.03065	03-May-19	1335	-0.00743
06-May-19	1315	-0.01498	07-May-19	1310	-0.00380	08-May-19	1295	-0.01145	09-May-19	1280	-0.01158	10-May-19	1265	-0.01172
13-May-19	1250	-0.01186	14-May-19	1235	-0.01200	15-May-19	1235	0	16-May-19	1160	-0.06073	17-May-19	1175	0.01293
20-May-19	1175	0	21-May-19	1235	0.05106	22-May-19	1235	0	23-May-19	1280	0.03644	24-May-19	1260	-0.01563
27-May-19	1265	0.00397	28-May-19	1270	0.00395	29-May-19	1270	0	30-May-19	0	0	31-May-19	1295	0.01969
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	1285	-0.00772	11-Jun-19	1280	-0.00389	12-Jun-19	1285	0.00391	13-Jun-19	1275	-0.00778	14-Jun-19	1235	-0.03137
17-Jun-19	1230	-0.04045	18-Jun-19	1245	0.01220	19-Jun-19	0	0	20-Jun-19	1265	0.01606	21-Jun-19	1225	-0.03162
24-Jun-19	1245	0.01633	25-Jun-19	1330	0.06827	26-Jun-19	1360	0.02256	27-Jun-19	1385	0.01838	28-Jun-19	1360	-0.01805
01-Jul-19	1440	0.05882	02-Jul-19	1420	-0.01389	03-Jul-19	1360	-0.04255	04-Jul-19	1420	0.04412	05-Jul-19	1415	-0.00352
08-Jul-19	1380	-0.02473	09-Jul-19	1335	-0.03261	10-Jul-19	1345	0.00749	11-Jul-19	1335	-0.00743	12-Jul-19	1280	-0.04120
15-Jul-19	1275	-0.00391	16-Jul-19	1285	0.00784	17-Jul-19	1280	-0.00389	18-Jul-19	1300	0.01563	19-Jul-19	1295	-0.00385
22-Jul-19	1285	-0.00772	23-Jul-19	1275	-0.00778	24-Jul-19	1255	-0.01569	25-Jul-19	1250	-0.00398	26-Jul-19	1230	-0.01600
29-Jul-19	1255	0.02033	30-Jul-19	1295	0.03187	31-Jul-19	1270	-0.01931	01-Aug-19	1225	-0.03543	02-Aug-19	1175	-0.04082
05-Aug-19	1120	-0.04681	06-Aug-19	1085	-0.03125	07-Aug-19	1105	0.01843	08-Aug-19	1100	-0.00452	09-Aug-19	1095	-0.00455
12-Aug-19	1070	-0.02283	13-Aug-19	1035	-0.03271	14-Aug-19	1050	0.01449	15-Aug-19	1025	-0.02381	16-Aug-19	1030	0.00488
19-Aug-19	1045	0.01456	20-Aug-19	1050	0.00478	21-Aug-19	1030	-0.01905	22-Aug-19	1020	-0.00971	23-Aug-19	1085	0.06373
26-Aug-19	1120	0.03226	27-Aug-19	1130	0.00893	28-Aug-19	1105	-0.02212	29-Aug-19	1100	-0.00452	30-Aug-19	1125	0.02273
02-Sep-19	1155	0.02667	03-Sep-19	1190	0.03030	04-Sep-19	1235	0.03782	05-Sep-19	1260	0.02024	06-Sep-19	1335	0.05952
09-Sep-19	1415	0.05993	10-Sep-19	1410	-0.00353	11-Sep-19	1470	0.04255	12-Sep-19	1435	-0.02381	13-Sep-19	1375	-0.04181
16-Sep-19	1430	0.04000	17-Sep-19	1435	0.00350	18-Sep-19	1405	-0.02091	19-Sep-19	1370	-0.02491	20-Sep-19	1400	0.02190
23-Sep-19	1370	-0.02143	24-Sep-19	1295	-0.05474	25-Sep-19	1310	0.01158	26-Sep-19	1285	-0.01908	27-Sep-19	1315	0.02335
30-Sep-19	1290	-0.01901	01-Oct-19	1320	0.02326	02-Oct-19	1270	-0.03788	03-Oct-19	1270	0	04-Oct-19	1265	-0.00394
07-Oct-19	1250	-0.01186	08-Oct-19	1280	0.02400	09-Oct-19	1270	-0.00781	10-Oct-19	1260	-0.00787	11-Oct-19	1295	0.02778
14-Oct-19	1295	0	15-Oct-19	1330	0.02703	16-Oct-19	1315	-0.01128	17-Oct-19	1320	0.00380	18-Oct-19	1310	-0.00758
21-Oct-19	1365	0.04198	22-Oct-19	1365	0	23-Oct-19	1355	-0.00733	24-Oct-19	1370	0.01107	25-Oct-19	1350	-0.01460
28-Oct-19	1370	0.01481	29-Oct-19	1335	-0.02555	30-Oct-19	1305	-0.02247	31-Oct-19	1310	0.00383	01-Nov-19	1270	-0.03053
04-Nov-19	1280	0.00787	05-Nov-19	1370	0.07031	06-Nov-19	1390	0.01460	07-Nov-19	1385	-0.00360	08-Nov-19	1415	0.02166
11-Nov-19	1415	0	12-Nov-19	1425	0.00707	13-Nov-19	1335	-0.06316	14-Nov-19	1300	-0.02622	15-Nov-19	1340	0.03077
18-Nov-19	1330	-0.00746	19-Nov-19	1320	-0.00752	20-Nov-19	1335	0.01136	21-Nov-19	1310	-0.01873	22-Nov-19	1320	0.00763
25-Nov-19	1310	-0.00758	26-Nov-19	1315	0.00382	27-Nov-19	1295	-0.01521	28-Nov-19	1245	-0.03861	29-Nov-19	1230	-0.01205
02-Dec-19	1315	0.06911	03-Dec-19	1315	0	04-Dec-19	1360	0.03422	05-Dec-19	1460	0.07353	06-Dec-19	1425	-0.02397
09-Dec-19	1420	-0.00351	10-Dec-19	1485	0.04577	11-Dec-19	1490	0.00337	12-Dec-19	1475	-0.01007	13-Dec-19	1590	0.07797
16-Dec-19	1640	0.03145	17-Dec-19	1655	0.00915	18-Dec-19	1610	-0.02719	19-Dec-19	1595	-0.00932	20-Dec-19	1540	-0.03448
23-Dec-19	1580	0.02597	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1585	0.00316	27-Dec-19	1580	-0.00315
30-Dec-19	1555	-0.01582	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1495	-0.03859	03-Jan-20	1465	-0.02007
06-Jan-20	1465	0	07-Jan-20	1540	0.05119	08-Jan-20	1505	-0.02273	09-Jan-20	1495	-0.00664	10-Jan-20	1550	0.03679
13-Jan-20	1565	0.00968	14-Jan-20	1560	-0.00319	15-Jan-20	1475	-0.05449	16-Jan-20	1470	-0.00339	17-Jan-20	1480	0.00680
20-Jan-20	1435	-0.03041	21-Jan-20	1415	-0.01394	22-Jan-20	1365	-0.03534	23-Jan-20	1380	0.01099	24-Jan-20	1380	0.00000
27-Jan-20	1295	-0.06159	28-Jan-20	1325	0.02317	29-Jan-20	1305	-0.01509	30-Jan-20	1295	-0.00766	31-Jan-20	1225	-0.05405
Rata2 Return Senin	0.00355		Rata2 Return Selasa	0.00548		Rata2 Return Rabu	-0.00390		Rata2 Return Kamis	-0.00264		Rata2 Return Jumat	-0.00313	

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2. Bank Negara Indonesia (Persero) Tbk. (BBNI)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	9075		01-Feb-19	9250	0.01928
04-Feb-19	9125	-0.01351	05-Feb-19	0	0	06-Feb-19	9100	-0.00274	07-Feb-19	9075	-0.00275	08-Feb-19	8975	-0.01102
11-Feb-19	9050	0.00836	12-Feb-19	8900	-0.01657	13-Feb-19	8650	-0.02809	14-Feb-19	8775	0.01445	15-Feb-19	8775	0.00000
18-Feb-19	8975	0.02279	19-Feb-19	8875	-0.01114	20-Feb-19	8825	-0.00563	21-Feb-19	8925	0.01133	22-Feb-19	8725	-0.02241
25-Feb-19	8800	0.00860	26-Feb-19	8850	0.00568	27-Feb-19	8850	0	28-Feb-19	8800	-0.00565	01-Mar-19	8975	0.01989
04-Mar-19	8950	-0.00279	05-Mar-19	8800	-0.01676	06-Mar-19	8800	0	07-Mar-19	0	0	08-Mar-19	8675	-0.01420
11-Mar-19	8675	0	12-Mar-19	8675	0	13-Mar-19	8600	-0.00865	14-Mar-19	8825	0.02616	15-Mar-19	9075	0.02833
18-Mar-19	9350	0.03030	19-Mar-19	9350	0	20-Mar-19	9300	-0.00535	21-Mar-19	9525	0.02419	22-Mar-19	9600	0.00787
25-Mar-19	9200	-0.04167	26-Mar-19	9375	0.01902	27-Mar-19	9350	-0.00267	28-Mar-19	9425	0.00802	29-Mar-19	9400	-0.00265
01-Apr-19	9450	0.00532	02-Apr-19	9475	0.00265	03-Apr-19	0	0	04-Apr-19	9700	0.02375	05-Apr-19	9725	0.00258
08-Apr-19	9475	-0.02571	09-Apr-19	9675	0.02111	10-Apr-19	9700	0.002584	11-Apr-19	9625	-0.00773	12-Apr-19	9675	0.00519
15-Apr-19	9650	-0.00258	16-Apr-19	9700	0.00518	17-Apr-19	0	0	18-Apr-19	9850	0.01546	19-Apr-19	0	0
22-Apr-19	9675	-0.01777	23-Apr-19	9800	0.01292	24-Apr-19	9800	0	25-Apr-19	9600	-0.02041	26-Apr-19	9650	0.00521
29-Apr-19	9625	-0.00259	30-Apr-19	9600	-0.00260	01-May-19	0	0	02-May-19	9425	-0.01823	03-May-19	9250	-0.01857
06-May-19	8875	-0.04054	07-May-19	8950	0.00845	08-May-19	8750	-0.02235	09-May-19	8575	-0.02000	10-May-19	8600	0.00292
13-May-19	8500	-0.01163	14-May-19	8450	-0.00588	15-May-19	8225	-0.02663	16-May-19	8175	-0.00608	17-May-19	8100	-0.00917
20-May-19	8425	0.04012	21-May-19	8600	0.02077	22-May-19	8300	-0.03488	23-May-19	8500	0.02410	24-May-19	8650	0.01765
27-May-19	8700	0.00578	28-May-19	8150	-0.06322	29-May-19	8150	0	30-May-19	0.00	0	31-May-19	8400	0.03067
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0.00	0	07-Jun-19	0	0
10-Jun-19	8675	0.03274	11-Jun-19	8575	-0.01153	12-Jun-19	8600	0.00292	13-Jun-19	8650	0.00581	14-Jun-19	8500	-0.01734
17-Jun-19	8450	-0.00588	18-Jun-19	8725	0.03254	19-Jun-19	0	0	20-Jun-19	8800	0.00860	21-Jun-19	8850	0.00568
24-Jun-19	8875	0.00282	25-Jun-19	8925	0.00563	26-Jun-19	8850	-0.00840	27-Jun-19	8900	0.00565	28-Jun-19	9200	0.03371
01-Jul-19	9375	0.01902	02-Jul-19	9350	-0.00267	03-Jul-19	9325	-0.00267	04-Jul-19	9375	0.00536	05-Jul-19	9200	-0.01867
08-Jul-19	8975	-0.02446	09-Jul-19	9150	0.01950	10-Jul-19	9150	0	11-Jul-19	9250	0.01093	12-Jul-19	9200	-0.00541
15-Jul-19	9175	-0.00272	16-Jul-19	9075	-0.01090	17-Jul-19	9050	-0.00275	18-Jul-19	8875	-0.01934	19-Jul-19	8900	0.00282
22-Jul-19	8850	-0.00562	23-Jul-19	8625	-0.02542	24-Jul-19	8425	-0.02319	25-Jul-19	8500	0.00890	26-Jul-19	8425	-0.00882
29-Jul-19	8350	-0.00890	30-Jul-19	8350	0	31-Jul-19	8475	0.01497	01-Aug-19	8250	-0.02655	02-Aug-19	8100	-0.01818
05-Aug-19	7925	-0.02160	06-Aug-19	7825	-0.01262	07-Aug-19	7875	0.00639	08-Aug-19	8125	0.03175	09-Aug-19	7925	-0.02462
12-Aug-19	7925	0	13-Aug-19	7900	-0.00315	14-Aug-19	8100	0.02532	15-Aug-19	8025	-0.00926	16-Aug-19	7925	-0.01246
19-Aug-19	7875	-0.00631	20-Aug-19	7750	-0.01587	21-Aug-19	7575	-0.02258	22-Aug-19	7600	0.00330	23-Aug-19	7625	0.00329
26-Aug-19	7500	-0.01639	27-Aug-19	7575	0.01000	28-Aug-19	7600	0.00330	29-Aug-19	7525	-0.00987	30-Aug-19	7700	0.02326
02-Sep-19	7625	-0.00974	03-Sep-19	7450	-0.02295	04-Sep-19	7425	-0.00336	05-Sep-19	7525	0.01347	06-Sep-19	7600	0.00997
09-Sep-19	7550	-0.00658	10-Sep-19	7750	0.02649	11-Sep-19	8000	0.03226	12-Sep-19	7875	-0.01563	13-Sep-19	7850	-0.00317
16-Sep-19	7675	-0.02229	17-Sep-19	7750	0.00977	18-Sep-19	7900	0.01935	19-Sep-19	7775	-0.01582	20-Sep-19	7650	-0.01608
23-Sep-19	7575	-0.0098	24-Sep-19	7450	-0.01650	25-Sep-19	7475	0.00336	26-Sep-19	7550	0.01003	27-Sep-19	7425	-0.01656
30-Sep-19	7350	-0.0101	01-Oct-19	7275	-0.01020	02-Oct-19	6925	-0.04811	03-Oct-19	6900	-0.00361	04-Oct-19	6875	-0.00362
07-Oct-19	6675	-0.02909	08-Oct-19	6825	0.02247	09-Oct-19	6750	-0.01099	10-Oct-19	6750	0	11-Oct-19	6975	0.03333
14-Oct-19	6925	-0.00717	15-Oct-19	7150	0.03249	16-Oct-19	7250	0.01399	17-Oct-19	7375	0.01724	18-Oct-19	7475	0.01356
21-Oct-19	7376	-0.01324	22-Oct-19	7325	-0.00691	23-Oct-19	7550	0.03072	24-Oct-19	7900	0.04636	25-Oct-19	7825	-0.00949
28-Oct-19	7775	-0.00639	29-Oct-19	7725	-0.00643	30-Oct-19	7750	0.00324	31-Oct-19	7675	-0.00968	01-Nov-19	7675	0
04-Nov-19	7625	-0.00651	05-Nov-19	7725	0.01311	06-Nov-19	7500	-0.02913	07-Nov-19	7600	0.01333	08-Nov-19	7675	0.00987
11-Nov-19	7550	-0.01629	12-Nov-19	7600	0.00662	13-Nov-19	7350	-0.03289	14-Nov-19	7300	-0.00680	15-Nov-19	7450	0.02055
18-Nov-19	7425	-0.00336	19-Nov-19	7600	0.02357	20-Nov-19	7650	0.00658	21-Nov-19	7700	0.00654	22-Nov-19	7650	-0.00649
25-Nov-19	7500	-0.01961	26-Nov-19	7500	0	27-Nov-19	7475	-0.00333	28-Nov-19	7400	-0.01003	29-Nov-19	7500	0.01351
02-Dec-19	7550	0.00667	03-Dec-19	7550	0	04-Dec-19	7425	-0.01656	05-Dec-19	7450	0.00337	06-Dec-19	7575	0.01678
09-Dec-19	7575	0	10-Dec-19	7600	0.0033	11-Dec-19	7525	-0.00987	12-Dec-19	7525	0	13-Dec-19	7650	0.01661
16-Dec-19	7700	0.00654	17-Dec-19	7700	0	18-Dec-19	7825	0.01623	19-Dec-19	7825	0	20-Dec-19	7800	-0.00319
23-Dec-19	7925	0.01603	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	7950	0.00315	27-Dec-19	7925	-0.00314
30-Dec-19	7850	-0.00946	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	7775	-0.00955	03-Jan-20	7800	0.00322
06-Jan-20	7625	-0.02244	07-Jan-20	7550	-0.00984	08-Jan-20	7425	-0.01656	09-Jan-20	7700	0.03704	10-Jan-20	7725	0.00325
13-Jan-20	7775	0.00647	14-Jan-20	7850	0.00965	15-Jan-20	7675	-0.02229	16-Jan-20	7700	0.00326	17-Jan-20	7775	0.00974
20-Jan-20	7550	-0.02894	21-Jan-20	7575	0.00331	22-Jan-20	7625	0.00660	23-Jan-20	7650	0.00328	24-Jan-20	7700	0.00654
27-Jan-20	7450	-0.03247	28-Jan-20	7475	0.00336	29-Jan-20	7350	-0.01672	30-Jan-20	7250	-0.01361	31-Jan-20	7200	-0.00690
Rata2 Return Senin	-0.00563		Rata2 Return Selasa	0.00089		Rata2 Return Rabu	-0.00420		Rata2 Return Kamis	0.00297		Rata2 Return Jumat	0.00213	

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



3. Bank Tabungan Negara (Persero) Tbk. (BBTN)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	2740		01-Feb-19	2790	0.01825
04-Feb-19	2760	-0.01075	05-Feb-19	0	0	06-Feb-19	2740	-0.00725	07-Feb-19	2720	-0.00730	08-Feb-19	2700	-0.00735
11-Feb-19	2650	-0.01852	12-Feb-19	2600	-0.01887	13-Feb-19	2590	-0.00385	14-Feb-19	2530	-0.02317	15-Feb-19	2480	-0.01976
18-Feb-19	2560	0.03226	19-Feb-19	2520	-0.01563	20-Feb-19	2500	-0.00794	21-Feb-19	2540	0.01600	22-Feb-19	2500	-0.01575
25-Feb-19	2530	0.01200	26-Feb-19	2520	-0.00395	27-Feb-19	2500	-0.00794	28-Feb-19	2430	-0.02800	01-Mar-19	2350	-0.03292
04-Mar-19	2390	0.01702	05-Mar-19	2350	-0.01674	06-Mar-19	2350	0	07-Mar-19	0	0	08-Mar-19	2270	-0.03404
11-Mar-19	2270	0	12-Mar-19	2270	0	13-Mar-19	2290	0.00881	14-Mar-19	2410	0.05240	15-Mar-19	2440	0.01245
18-Mar-19	2410	-0.01230	19-Mar-19	2440	0.01245	20-Mar-19	2400	-0.01639	21-Mar-19	2520	0.05000	22-Mar-19	2530	0.00397
25-Mar-19	2410	-0.04743	26-Mar-19	2480	0.02905	27-Mar-19	2440	-0.01613	28-Mar-19	2490	0.02049	29-Mar-19	2450	-0.01606
01-Apr-19	2380	-0.02857	02-Apr-19	2350	-0.01261	03-Apr-19	0	0	04-Apr-19	2370	0.00851	05-Apr-19	2390	0.00844
08-Apr-19	2330	-0.02510	09-Apr-19	2340	0.00429	10-Apr-19	2400	0.02564	11-Apr-19	2350	-0.02083	12-Apr-19	2400	0.02128
15-Apr-19	2440	0.01667	16-Apr-19	2580	0.05738	17-Apr-19	0	0	18-Apr-19	2620	0.01550	19-Apr-19	0	0
22-Apr-19	2600	-0.00763	23-Apr-19	2630	0.01154	24-Apr-19	2550	-0.03042	25-Apr-19	2450	-0.03922	26-Apr-19	2510	0.02449
29-Apr-19	2530	0.00797	30-Apr-19	2530	0	01-May-19	0	0	02-May-19	2490	-0.01581	03-May-19	2480	-0.00402
06-May-19	2380	-0.04032	07-May-19	2460	0.03361	08-May-19	2420	-0.01626	09-May-19	2350	-0.02893	10-May-19	2390	0.01702
13-May-19	2310	-0.03347	14-May-19	2310	0	15-May-19	2280	-0.01299	16-May-19	2250	-0.01316	17-May-19	2240	-0.00444
20-May-19	2330	0.04018	21-May-19	2340	0.00429	22-May-19	2330	-0.00427	23-May-19	2370	0.01717	24-May-19	2380	0.00422
27-May-19	2460	0.03361	28-May-19	2400	-0.02439	29-May-19	2420	0.00833	30-May-19	0	0	31-May-19	2470	0.02066
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	2580	0.04453	11-Jun-19	2560	-0.00775	12-Jun-19	2580	0.00781	13-Jun-19	2650	0.02713	14-Jun-19	2650	0
17-Jun-19	2580	-0.02642	18-Jun-19	2660	0.03101	19-Jun-19	0	0	20-Jun-19	2710	0.01880	21-Jun-19	2670	-0.01476
24-Jun-19	2690	0.00749	25-Jun-19	2660	-0.01115	26-Jun-19	2600	-0.02256	27-Jun-19	2450	-0.05769	28-Jun-19	2460	0.00408
01-Jul-19	2520	0.02439	02-Jul-19	2510	-0.00397	03-Jul-19	2450	-0.02390	04-Jul-19	2450	0	05-Jul-19	2430	-0.00816
08-Jul-19	2420	-0.00412	09-Jul-19	2420	0	10-Jul-19	2450	0.01240	11-Jul-19	2460	0.00408	12-Jul-19	2430	-0.01220
15-Jul-19	2470	0.01646	16-Jul-19	2440	-0.01215	17-Jul-19	2450	0.00410	18-Jul-19	2420	-0.01224	19-Jul-19	2430	0.00413
22-Jul-19	2440	0.00412	23-Jul-19	2470	0.01230	24-Jul-19	2420	-0.02024	25-Jul-19	2420	0	26-Jul-19	2400	-0.00826
29-Jul-19	2390	-0.00417	30-Jul-19	2450	0.02510	31-Jul-19	2460	0.00408	01-Aug-19	2400	-0.02439	02-Aug-19	2320	-0.03333
05-Aug-19	2250	-0.03017	06-Aug-19	2220	-0.01333	07-Aug-19	2300	0.03604	08-Aug-19	2330	0.01304	09-Aug-19	2330	0
12-Aug-19	2300	-0.01288	13-Aug-19	2290	-0.00435	14-Aug-19	2290	0	15-Aug-19	2270	-0.00873	16-Aug-19	2310	0.01762
19-Aug-19	2300	-0.00433	20-Aug-19	2230	-0.03043	21-Aug-19	2170	-0.02691	22-Aug-19	2180	0.00461	23-Aug-19	2190	0.00459
26-Aug-19	2150	-0.01826	27-Aug-19	2100	-0.02326	28-Aug-19	2080	-0.00952	29-Aug-19	2030	-0.02404	30-Aug-19	2000	-0.01478
02-Sep-19	2010	0.00500	03-Sep-19	2020	0.00498	04-Sep-19	2060	0.01980	05-Sep-19	2100	0.01942	06-Sep-19	2100	0
09-Sep-19	2080	-0.00952	10-Sep-19	2080	0	11-Sep-19	2180	0.04808	12-Sep-19	2210	0.01376	13-Sep-19	2190	-0.00905
16-Sep-19	2150	-0.01826	17-Sep-19	2210	0.02791	18-Sep-19	2270	0.02715	19-Sep-19	2260	-0.00441	20-Sep-19	2260	0
23-Sep-19	2250	-0.00442	24-Sep-19	2200	-0.02222	25-Sep-19	2200	0	26-Sep-19	2160	-0.01818	27-Sep-19	2080	-0.03704
30-Sep-19	1960	-0.05769	01-Oct-19	1980	0.01020	02-Oct-19	1925	-0.02778	03-Oct-19	1890	-0.01818	04-Oct-19	1830	-0.03175
07-Oct-19	1815	-0.00820	08-Oct-19	1820	0.00275	09-Oct-19	1795	-0.01374	10-Oct-19	1800	0.00279	11-Oct-19	1890	0.05000
14-Oct-19	1905	0.00794	15-Oct-19	1905	0	16-Oct-19	1910	0.00262	17-Oct-19	1905	-0.00262	18-Oct-19	1915	0.00525
21-Oct-19	1920	0.00261	22-Oct-19	1915	-0.00260	23-Oct-19	1930	0.00783	24-Oct-19	2010	0.04145	25-Oct-19	2010	0
28-Oct-19	1995	-0.00746	29-Oct-19	1935	-0.03008	30-Oct-19	1910	-0.01292	31-Oct-19	1860	-0.02618	01-Nov-19	1850	-0.00538
04-Nov-19	1810	-0.02162	05-Nov-19	1865	0.03039	06-Nov-19	1860	-0.00268	07-Nov-19	1845	-0.00806	08-Nov-19	1890	0.02439
11-Nov-19	1865	-0.01323	12-Nov-19	1875	0.00536	13-Nov-19	1840	-0.01867	14-Nov-19	1835	-0.00272	15-Nov-19	1920	0.04632
18-Nov-19	1955	0.01823	19-Nov-19	2070	0.05882	20-Nov-19	2080	0.00483	21-Nov-19	2150	0.03365	22-Nov-19	2100	-0.02326
25-Nov-19	2080	-0.00952	26-Nov-19	2160	0.03846	27-Nov-19	2120	-0.01852	28-Nov-19	2050	-0.03302	29-Nov-19	2130	0.03902
02-Dec-19	2170	0.01878	03-Dec-19	2220	0.02304	04-Dec-19	2200	-0.00901	05-Dec-19	2220	0.00909	06-Dec-19	2170	-0.02252
09-Dec-19	2190	0.00922	10-Dec-19	2140	-0.02283	11-Dec-19	2100	-0.01869	12-Dec-19	2110	0.00476	13-Dec-19	2170	0.02844
16-Dec-19	2160	-0.00461	17-Dec-19	2180	0.00926	18-Dec-19	2190	0.00459	19-Dec-19	2150	-0.01826	20-Dec-19	2130	-0.00930
23-Dec-19	2120	-0.00469	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	2130	0.00472	27-Dec-19	2150	0.00939
30-Dec-19	2120	-0.01395	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	2130	0.00472	03-Jan-20	2150	0.00939
06-Jan-20	2130	-0.00930	07-Jan-20	2120	-0.00469	08-Jan-20	2070	-0.02358	09-Jan-20	2110	0.01932	10-Jan-20	2160	0.02370
13-Jan-20	2150	-0.00463	14-Jan-20	2160	0.00465	15-Jan-20	2140	-0.00926	16-Jan-20	2130	-0.00467	17-Jan-20	2150	0.00939
20-Jan-20	2100	-0.02326	21-Jan-20	2080	-0.00952	22-Jan-20	2050	-0.01442	23-Jan-20	2030	-0.00976	24-Jan-20	2070	0.01970
27-Jan-20	1990	-0.03865	28-Jan-20	1955	-0.01759	29-Jan-20	1930	-0.01279	30-Jan-20	1930	0	31-Jan-20	1870	-0.03109
Rata2 Return Senin		-0.00490	Rata2 Return Selasa		0.00248	Rata2 Return Rabu		-0.00359	Rata2 Return Kamis		-0.00093	Rata2 Return Jumat		0.00058

1. Ditaring mengutip sebagian atau seluruhnya dari situs ini tanpa mencantumkan dan menyedut sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



4. Bumi Serpong Damai Tbk. (BSDE)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	1330		01-Feb-19	1385	0.04135
04-Feb-19	1365	-0.01444	05-Feb-19	0	0	06-Feb-19	1430	0.047619	07-Feb-19	1410	-0.01399	08-Feb-19	1400	-0.00709
11-Feb-19	1360	-0.02857	12-Feb-19	1335	-0.01838	13-Feb-19	1320	-0.011236	14-Feb-19	1345	0.01894	15-Feb-19	1320	-0.01859
18-Feb-19	1300	-0.01515	19-Feb-19	1310	0.00769	20-Feb-19	1330	0.015267	21-Feb-19	1315	-0.01128	22-Feb-19	1310	-0.00380
25-Feb-19	1325	0.01145	26-Feb-19	1335	0.00755	27-Feb-19	1365	0.022472	28-Feb-19	1355	-0.00733	01-Mar-19	1355	0
04-Mar-19	1365	0.00738	05-Mar-19	1330	-0.02564	06-Mar-19	1360	0.022556	07-Mar-19	0	0	08-Mar-19	1320	-0.02941
11-Mar-19	1325	0.00379	12-Mar-19	1350	0.01887	13-Mar-19	1355	0.003704	14-Mar-19	1350	-0.00369	15-Mar-19	1355	0.00370
18-Mar-19	1390	0.02583	19-Mar-19	1420	0.02158	20-Mar-19	1400	-0.014085	21-Mar-19	1450	0.03571	22-Mar-19	1455	0.00345
25-Mar-19	1405	-0.03436	26-Mar-19	1480	0.05338	27-Mar-19	1485	0.003378	28-Mar-19	1415	-0.04714	29-Mar-19	1420	0.00353
01-Apr-19	1455	0.02465	02-Apr-19	1425	-0.02062	03-Apr-19	0	0	04-Apr-19	1465	0.02807	05-Apr-19	1470	0.00341
08-Apr-19	1450	-0.01361	09-Apr-19	1465	0.01034	10-Apr-19	1410	-0.037543	11-Apr-19	1420	0.00709	12-Apr-19	1425	0.00352
15-Apr-19	1390	-0.02456	16-Apr-19	1410	0.01439	17-Apr-19	0	0	18-Apr-19	1445	0.02482	19-Apr-19	0	0
22-Apr-19	1450	0.00346	23-Apr-19	1460	0.00690	24-Apr-19	1470	0.006849	25-Apr-19	1395	-0.05102	26-Apr-19	1415	0.01434
29-Apr-19	1425	0.00707	30-Apr-19	1435	0.00702	01-May-19	0	0	02-May-19	1390	-0.03136	03-May-19	1325	-0.04676
06-May-19	1265	-0.04528	07-May-19	1290	0.01976	08-May-19	1280	-0.007752	09-May-19	1265	-0.01172	10-May-19	1250	-0.01186
13-May-19	1205	-0.03600	14-May-19	1215	0.00830	15-May-19	1210	-0.004115	16-May-19	1185	-0.02066	17-May-19	1150	-0.02954
20-May-19	1185	0.03043	21-May-19	1210	0.02110	22-May-19	1215	0.004132	23-May-19	1275	0.04938	24-May-19	1275	0
27-May-19	1300	0.01961	28-May-19	1275	-0.01923	29-May-19	1310	0.027451	30-May-19	0	0	31-May-19	1350	0.03053
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	1425	0.05556	11-Jun-19	1380	-0.03158	12-Jun-19	1355	-0.018116	13-Jun-19	1400	0.03321	14-Jun-19	1390	-0.00714
17-Jun-19	1350	-0.02878	18-Jun-19	1420	0.05185	19-Jun-19	0	0	20-Jun-19	1545	0.08803	21-Jun-19	1535	-0.00647
24-Jun-19	1520	-0.00977	25-Jun-19	1460	-0.03947	26-Jun-19	1515	0.037671	27-Jun-19	1535	0.01320	28-Jun-19	1535	0.00000
01-Jul-19	1535	0	02-Jul-19	1520	-0.00977	03-Jul-19	1515	-0.003289	04-Jul-19	1545	0.01980	05-Jul-19	1525	-0.01294
08-Jul-19	1465	-0.03934	09-Jul-19	1465	0	10-Jul-19	1480	0.010239	11-Jul-19	1500	0.01351	12-Jul-19	1500	0
15-Jul-19	1500	0	16-Jul-19	1500	0	17-Jul-19	1485	-0.010000	18-Jul-19	1485	0	19-Jul-19	1495	0.00673
22-Jul-19	1455	-0.02676	23-Jul-19	1460	0.00344	24-Jul-19	1410	-0.034247	25-Jul-19	1400	-0.00709	26-Jul-19	1340	-0.04286
29-Jul-19	1375	0.02612	30-Jul-19	1450	0.05455	31-Jul-19	1420	-0.020690	01-Aug-19	1385	-0.02465	02-Aug-19	1335	-0.03610
05-Aug-19	1300	-0.02622	06-Aug-19	1305	0.00385	07-Aug-19	1295	-0.007663	08-Aug-19	1395	0.07722	09-Aug-19	1370	-0.01792
12-Aug-19	1320	-0.03650	13-Aug-19	1340	0.01515	14-Aug-19	1370	0.022388	15-Aug-19	1345	-0.01825	16-Aug-19	1350	0.00372
19-Aug-19	1360	0.00741	20-Aug-19	1330	-0.02206	21-Aug-19	1325	-0.003759	22-Aug-19	1350	0.01887	23-Aug-19	1400	0.03704
26-Aug-19	1375	-0.01786	27-Aug-19	1425	0.03636	28-Aug-19	1380	-0.031579	29-Aug-19	1350	-0.02174	30-Aug-19	1350	0
02-Sep-19	1345	-0.00370	03-Sep-19	1345	0	04-Sep-19	1325	-0.014870	05-Sep-19	1340	0.01132	06-Sep-19	1325	-0.01119
09-Sep-19	1320	-0.00377	10-Sep-19	1320	0	11-Sep-19	1355	0.026515	12-Sep-19	1370	0.01107	13-Sep-19	1350	-0.01460
16-Sep-19	1370	0.01481	17-Sep-19	1385	0.01095	18-Sep-19	1405	0.014440	19-Sep-19	1405	0	20-Sep-19	1415	0.00712
23-Sep-19	1385	-0.02120	24-Sep-19	1350	-0.02527	25-Sep-19	1355	0.003704	26-Sep-19	1390	0.02583	27-Sep-19	1360	-0.02158
30-Sep-19	1390	0.02206	01-Oct-19	1395	0.00360	02-Oct-19	1350	-0.032258	03-Oct-19	1320	-0.02222	04-Oct-19	1320	0
07-Oct-19	1295	-0.01894	08-Oct-19	1325	0.02317	09-Oct-19	1355	0.022642	10-Oct-19	1410	0.04059	11-Oct-19	1415	0.00355
14-Oct-19	1390	-0.01767	15-Oct-19	1390	0	16-Oct-19	1410	0.014388	17-Oct-19	1410	0	18-Oct-19	1410	0
21-Oct-19	1415	0.00355	22-Oct-19	1420	0.00353	23-Oct-19	1415	-0.003521	24-Oct-19	1450	0.02473	25-Oct-19	1430	-0.01379
28-Oct-19	1410	-0.01399	29-Oct-19	1475	0.04610	30-Oct-19	1460	-0.010169	31-Oct-19	1415	-0.03082	01-Nov-19	1425	0.00707
04-Nov-19	1385	-0.02807	05-Nov-19	1375	-0.00722	06-Nov-19	1415	0.029091	07-Nov-19	1410	-0.00353	08-Nov-19	1405	-0.00355
11-Nov-19	1380	-0.01779	12-Nov-19	1395	0.01087	13-Nov-19	1385	-0.007168	14-Nov-19	1380	-0.00361	15-Nov-19	1350	-0.02174
18-Nov-19	1370	0.01481	19-Nov-19	1390	0.01460	20-Nov-19	1370	-0.014388	21-Nov-19	1350	-0.01460	22-Nov-19	1360	0.00741
25-Nov-19	1320	-0.02941	26-Nov-19	1340	0.01515	27-Nov-19	1300	-0.029851	28-Nov-19	1300	0	29-Nov-19	1250	-0.03846
02-Dec-19	1250	0	03-Dec-19	1245	-0.00400	04-Dec-19	1220	-0.020080	05-Dec-19	1225	0.00410	06-Dec-19	1255	0.02449
09-Dec-19	1280	0.01992	10-Dec-19	1280	0	11-Dec-19	1275	-0.003906	12-Dec-19	1265	-0.00784	13-Dec-19	1255	-0.00791
16-Dec-19	1245	-0.00797	17-Dec-19	1240	-0.00402	18-Dec-19	1260	0.016129	19-Dec-19	1265	0.00397	20-Dec-19	1280	0.01186
23-Dec-19	1270	-0.00781	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1285	0.01181	27-Dec-19	1275	-0.00778
30-Dec-19	1255	-0.01569	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1270	0.01195	03-Jan-20	1290	0.01575
06-Jan-20	1280	-0.00775	07-Jan-20	1250	-0.02344	08-Jan-20	1220	-0.024000	09-Jan-20	1235	0.01230	10-Jan-20	1225	-0.00810
13-Jan-20	1255	0.02449	14-Jan-20	1290	0.02789	15-Jan-20	1265	-0.019380	16-Jan-20	1275	0.00791	17-Jan-20	1275	0
20-Jan-20	1265	-0.00784	21-Jan-20	1200	-0.05138	22-Jan-20	1170	-0.025000	23-Jan-20	1210	0.03419	24-Jan-20	1185	-0.02066
27-Jan-20	1135	-0.04219	28-Jan-20	1180	0.03965	29-Jan-20	1165	-0.012712	30-Jan-20	1135	-0.02575	31-Jan-20	1115	-0.01762
Rata2 Return Senin	-0.00613		Rata2 Return Selasa		0.00491	Rata2 Return Rabu		-0.001360	Rata2 Return Kamis		0.00480	Rata2 Return Jumat		-0.00432

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



5. Erajaya Swasembada Tbk. (ERRA)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	458		01-Feb-19	458	0
04-Feb-19	446	-0.02620	05-Feb-19	0	0	06-Feb-19	452	0.01345	07-Feb-19	436	-0.03540	08-Feb-19	438	0.00459
11-Feb-19	428	-0.02283	12-Feb-19	418	-0.02336	13-Feb-19	406	-0.02871	14-Feb-19	390	-0.03941	15-Feb-19	391	0.00256
18-Feb-19	408	0.04348	19-Feb-19	436	0.06863	20-Feb-19	442	0.01376	21-Feb-19	424	-0.04072	22-Feb-19	418	-0.01415
25-Feb-19	440	0.05263	26-Feb-19	440	0.00000	27-Feb-19	430	-0.02273	28-Feb-19	418	-0.02791	01-Mar-19	418	0
04-Mar-19	412	-0.01435	05-Mar-19	408	-0.00971	06-Mar-19	400	-0.01961	07-Mar-19	0	0	08-Mar-19	397	-0.00750
11-Mar-19	399	0.00504	12-Mar-19	400	0.00251	13-Mar-19	402	0.00500	14-Mar-19	414	0.02985	15-Mar-19	412	-0.00483
18-Mar-19	404	-0.01942	19-Mar-19	404	0.00000	20-Mar-19	399	-0.01238	21-Mar-19	396	-0.00752	22-Mar-19	399	0.00758
25-Mar-19	381	-0.04511	26-Mar-19	383	0.00525	27-Mar-19	383	0	28-Mar-19	361	-0.05744	29-Mar-19	354	-0.01939
01-Apr-19	359	0.01412	02-Apr-19	366	0.01950	03-Apr-19	0	0	04-Apr-19	359	-0.01913	05-Apr-19	347	-0.03343
08-Apr-19	334	-0.03746	09-Apr-19	343	0.02695	10-Apr-19	333	-0.02915	11-Apr-19	323	-0.03003	12-Apr-19	326	0.00929
15-Apr-19	307	-0.05828	16-Apr-19	310	0.00977	17-Apr-19	0	0.00000	18-Apr-19	309	-0.00323	19-Apr-19	0	0
22-Apr-19	299	-0.03236	23-Apr-19	317	0.06020	24-Apr-19	331	0.04416	25-Apr-19	321	-0.03021	26-Apr-19	326	0.01558
29-Apr-19	321	-0.01534	30-Apr-19	290	-0.09657	01-May-19	0	0	02-May-19	226	-0.22069	03-May-19	231	0.02212
06-May-19	213	-0.07792	07-May-19	217	0.01878	08-May-19	217	0	09-May-19	201	-0.07373	10-May-19	227	0.12935
13-May-19	208	-0.08370	14-May-19	217	0.04327	15-May-19	216	-0.00461	16-May-19	211	-0.02315	17-May-19	211	0
20-May-19	204	-0.03318	21-May-19	208	0.01961	22-May-19	206	-0.00962	23-May-19	221	0.07282	24-May-19	229	0.03620
27-May-19	230	0.00437	28-May-19	219	-0.04783	29-May-19	230	0.05023	30-May-19	0	0	31-May-19	235	0.02174
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	242	0.02979	11-Jun-19	266	0.09917	12-Jun-19	265	-0.00376	13-Jun-19	261	-0.01509	14-Jun-19	256	-0.01916
17-Jun-19	264	0.03125	18-Jun-19	271	0.02652	19-Jun-19	273	0.00738	20-Jun-19	277	0.01465	21-Jun-19	271	-0.02166
24-Jun-19	323	0.19188	25-Jun-19	367	0.13622	26-Jun-19	383	0.04360	27-Jun-19	393	0.02611	28-Jun-19	384	-0.02290
01-Jul-19	424	0.10417	02-Jul-19	420	-0.00943	03-Jul-19	432	0.02857	04-Jul-19	418	-0.03241	05-Jul-19	420	0.00478
08-Jul-19	404	-0.03810	09-Jul-19	392	-0.02970	10-Jul-19	420	0.07143	11-Jul-19	418	-0.00476	12-Jul-19	395	-0.05502
15-Jul-19	396	0.00253	16-Jul-19	388	-0.02020	17-Jul-19	399	0.02835	18-Jul-19	396	-0.00752	19-Jul-19	399	0.00758
22-Jul-19	385	-0.03509	23-Jul-19	389	0.01039	24-Jul-19	375	-0.03599	25-Jul-19	390	0.04000	26-Jul-19	378	-0.03077
29-Jul-19	376	-0.00529	30-Jul-19	399	0.06117	31-Jul-19	420	0.05263	01-Aug-19	398	-0.05238	02-Aug-19	402	0.01005
05-Aug-19	371	-0.07711	06-Aug-19	368	-0.00809	07-Aug-19	377	0.02446	08-Aug-19	384	0.01857	09-Aug-19	383	-0.00260
12-Aug-19	416	0.08616	13-Aug-19	436	0.04808	14-Aug-19	432	-0.00917	15-Aug-19	426	-0.01389	16-Aug-19	400	-0.06103
19-Aug-19	386	-0.03500	20-Aug-19	375	-0.02850	21-Aug-19	367	-0.02133	22-Aug-19	331	-0.09809	23-Aug-19	296	-0.10574
26-Aug-19	304	0.02703	27-Aug-19	325	0.06908	28-Aug-19	310	-0.04615	29-Aug-19	315	0.01613	30-Aug-19	310	-0.01587
02-Sep-19	310	0	03-Sep-19	294	-0.05161	04-Sep-19	319	0.08503	05-Sep-19	307	-0.03762	06-Sep-19	303	-0.01303
09-Sep-19	307	0.01320	10-Sep-19	347	0.13029	11-Sep-19	359	0.03458	12-Sep-19	360	0.00279	13-Sep-19	377	0.04722
16-Sep-19	372	-0.01326	17-Sep-19	396	0.06452	18-Sep-19	384	-0.03030	19-Sep-19	388	0.01042	20-Sep-19	385	-0.00773
23-Sep-19	404	0.04935	24-Sep-19	402	-0.00495	25-Sep-19	386	-0.03980	26-Sep-19	386	0	27-Sep-19	384	-0.00518
30-Sep-19	365	-0.04948	01-Oct-19	342	-0.06301	02-Oct-19	342	0	03-Oct-19	347	0.01462	04-Oct-19	331	-0.04611
07-Oct-19	304	-0.08157	08-Oct-19	310	0.01974	09-Oct-19	307	-0.00968	10-Oct-19	324	0.05537	11-Oct-19	331	0.02160
14-Oct-19	330	-0.00302	15-Oct-19	322	-0.02424	16-Oct-19	318	-0.01242	17-Oct-19	339	0.06604	18-Oct-19	376	0.10914
21-Oct-19	358	-0.04787	22-Oct-19	363	0.01397	23-Oct-19	360	-0.00826	24-Oct-19	354	-0.01667	25-Oct-19	348	-0.01695
28-Oct-19	354	0.01724	29-Oct-19	346	-0.02260	30-Oct-19	360	0.04046	31-Oct-19	352	-0.02222	01-Nov-19	320	-0.09091
04-Nov-19	312	-0.02500	05-Nov-19	327	0.04808	06-Nov-19	321	-0.01835	07-Nov-19	318	-0.00935	08-Nov-19	327	0.02830
11-Nov-19	321	-0.01835	12-Nov-19	323	0.00623	13-Nov-19	321	-0.00619	14-Nov-19	319	-0.00623	15-Nov-19	316	-0.00940
18-Nov-19	316	0	19-Nov-19	313	-0.00949	20-Nov-19	310	-0.00958	21-Nov-19	305	-0.01613	22-Nov-19	299	-0.01967
25-Nov-19	305	0.02007	26-Nov-19	303	-0.00656	27-Nov-19	289	-0.04620	28-Nov-19	277	-0.04152	29-Nov-19	268	-0.03249
02-Dec-19	292	0.08955	03-Dec-19	285	-0.02397	04-Dec-19	284	-0.00351	05-Dec-19	298	0.04930	06-Dec-19	304	0.02013
09-Dec-19	314	0.03289	10-Dec-19	313	-0.00318	11-Dec-19	323	0.03195	12-Dec-19	317	-0.01858	13-Dec-19	325	0.02524
16-Dec-19	342	0.05231	17-Dec-19	342	0	18-Dec-19	335	-0.02047	19-Dec-19	335	0	20-Dec-19	330	-0.01493
23-Dec-19	330	0	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	348	0.05455	27-Dec-19	359	0.03161
30-Dec-19	359	0	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	366	0.01950	03-Jan-20	362	-0.01093
06-Jan-20	345	-0.04696	07-Jan-20	342	-0.00870	08-Jan-20	342	0	09-Jan-20	342	0	10-Jan-20	338	-0.01170
13-Jan-20	356	0.05325	14-Jan-20	356	0	15-Jan-20	340	-0.04494	16-Jan-20	336	-0.01176	17-Jan-20	352	0.04762
20-Jan-20	345	-0.01989	21-Jan-20	338	-0.02029	22-Jan-20	326	-0.03550	23-Jan-20	339	0.03988	24-Jan-20	342	0.00885
27-Jan-20	327	-0.04386	28-Jan-20	329	0.00612	29-Jan-20	343	0.04255	30-Jan-20	331	-0.03499	31-Jan-20	318	-0.03927
Rata2 Return Senin	-0.00165		Rata2 Return Selasa		0.00965	Rata2 Return Rabu		0.00171	Rata2 Return Kamis	-0.00995		Rata2 Return Jumat		-0.00229

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



6. XL Axiata Tbk. (EXCL)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	2170		01-Feb-19	2100	-0.03226
04-Feb-19	2120	0.00952	05-Feb-19	0	0	06-Feb-19	2200	0.03774	07-Feb-19	2170	-0.01364	08-Feb-19	2180	0.00461
11-Feb-19	2130	-0.02294	12-Feb-19	2070	-0.02817	13-Feb-19	2020	-0.02415	14-Feb-19	2050	0.01485	15-Feb-19	2340	0.14146
18-Feb-19	2530	0.08120	19-Feb-19	2610	0.03162	20-Feb-19	2620	0.00383	21-Feb-19	2650	0.01145	22-Feb-19	2640	-0.00377
25-Feb-19	2590	-0.01894	26-Feb-19	2500	-0.03475	27-Feb-19	2400	-0.04000	28-Feb-19	2400	0	01-Mar-19	2490	0.03750
04-Mar-19	2450	-0.01606	05-Mar-19	2400	-0.02041	06-Mar-19	2420	0.00833	07-Mar-19	0	0	08-Mar-19	2350	-0.02893
11-Mar-19	2400	0.02128	12-Mar-19	2460	0.02500	13-Mar-19	2620	0.06504	14-Mar-19	2560	-0.02290	15-Mar-19	2590	0.01172
18-Mar-19	2700	0.04247	19-Mar-19	2650	-0.01852	20-Mar-19	2700	0.01887	21-Mar-19	2680	-0.00741	22-Mar-19	2660	-0.00746
25-Mar-19	2590	-0.02632	26-Mar-19	2680	0.03475	27-Mar-19	2680	0	28-Mar-19	2680	0	29-Mar-19	2680	0
01-Apr-19	2710	0.01119	02-Apr-19	2680	-0.01107	03-Apr-19	0	0	04-Apr-19	2630	-0.01866	05-Apr-19	2640	0.00380
08-Apr-19	2530	-0.04167	09-Apr-19	2550	0.00791	10-Apr-19	2580	0.01176	11-Apr-19	2670	0.03488	12-Apr-19	2810	0.05243
15-Apr-19	2770	-0.01423	16-Apr-19	2760	-0.00361	17-Apr-19	0	0	18-Apr-19	2850	0.03261	19-Apr-19	0	0
22-Apr-19	2800	-0.01754	23-Apr-19	2930	0.04643	24-Apr-19	2870	-0.02048	25-Apr-19	2860	-0.00348	26-Apr-19	2870	0.00350
29-Apr-19	2900	0.01045	30-Apr-19	2920	0.00690	01-May-19	0	0	02-May-19	2780	-0.04795	03-May-19	2780	0.00000
06-May-19	2850	0.02518	07-May-19	2980	0.04561	08-May-19	2960	-0.00671	09-May-19	2960	0	10-May-19	2930	-0.01014
13-May-19	2760	-0.05802	14-May-19	2770	0.00362	15-May-19	2650	-0.04332	16-May-19	2560	-0.03396	17-May-19	2540	-0.00781
20-May-19	2650	0.04331	21-May-19	2670	0.00755	22-May-19	2640	-0.01124	23-May-19	2740	0.03788	24-May-19	2790	0.01825
27-May-19	2810	0.00717	28-May-19	2790	-0.00712	29-May-19	2900	0.03943	30-May-19	0	0	31-May-19	2860	-0.01379
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	2940	0.02797	11-Jun-19	2940	0	12-Jun-19	2900	-0.01361	13-Jun-19	2860	-0.01379	14-Jun-19	2860	0
17-Jun-19	2850	-0.00350	18-Jun-19	2910	0.02105	19-Jun-19	0	0	20-Jun-19	2990	0.02749	21-Jun-19	2900	-0.03010
24-Jun-19	2860	-0.01379	25-Jun-19	2860	0	26-Jun-19	2920	0.02098	27-Jun-19	2920	0	28-Jun-19	2980	0.02055
01-Jul-19	2990	0.00336	02-Jul-19	2960	-0.01003	03-Jul-19	2860	-0.03378	04-Jul-19	2850	-0.00350	05-Jul-19	2900	0.01754
08-Jul-19	2860	-0.01379	09-Jul-19	2930	0.02448	10-Jul-19	2890	-0.01365	11-Jul-19	2900	0.00346	12-Jul-19	2860	-0.01379
15-Jul-19	2930	0.02448	16-Jul-19	2940	0.00341	17-Jul-19	2980	0.01361	18-Jul-19	3110	0.04362	19-Jul-19	3110	0
22-Jul-19	3100	-0.00322	23-Jul-19	3160	0.01935	24-Jul-19	3120	-0.01266	25-Jul-19	3250	0.04167	26-Jul-19	3170	-0.02462
29-Jul-19	3270	0.03155	30-Jul-19	3300	0.00917	31-Jul-19	3230	-0.02121	01-Aug-19	3280	0.01548	02-Aug-19	3260	-0.00610
05-Aug-19	3130	-0.03988	06-Aug-19	3140	0.00319	07-Aug-19	3300	0.05096	08-Aug-19	3350	0.01515	09-Aug-19	3310	-0.01194
12-Aug-19	3360	0.01511	13-Aug-19	3340	-0.00595	14-Aug-19	3360	0.00599	15-Aug-19	3320	-0.01190	16-Aug-19	3250	-0.02108
19-Aug-19	3250	0	20-Aug-19	3250	0	21-Aug-19	3270	0.00615	22-Aug-19	3350	0.02446	23-Aug-19	3330	-0.00597
26-Aug-19	3320	-0.00300	27-Aug-19	3380	0.01807	28-Aug-19	3330	-0.01479	29-Aug-19	3390	0.01802	30-Aug-19	3480	0.02655
02-Sep-19	3620	0.04023	03-Sep-19	3500	-0.03315	04-Sep-19	3500	0	05-Sep-19	3520	0.00571	06-Sep-19	3270	-0.07102
09-Sep-19	3280	0.00306	10-Sep-19	3280	0	11-Sep-19	3270	-0.00305	12-Sep-19	3350	0.02446	13-Sep-19	3450	0.02985
16-Sep-19	3380	-0.02029	17-Sep-19	3440	0.01775	18-Sep-19	3500	0.01744	19-Sep-19	3470	-0.00857	20-Sep-19	3410	-0.01729
23-Sep-19	3390	-0.00587	24-Sep-19	3290	-0.02950	25-Sep-19	3300	0.00304	26-Sep-19	3500	0.06061	27-Sep-19	3500	0
30-Sep-19	3440	-0.01714	01-Oct-19	3450	0.00291	02-Oct-19	3450	0	03-Oct-19	3380	-0.02029	04-Oct-19	3350	-0.00888
07-Oct-19	3350	0	08-Oct-19	3450	0.02985	09-Oct-19	3440	-0.00290	10-Oct-19	3490	0.01453	11-Oct-19	3490	0
14-Oct-19	3490	0	15-Oct-19	3530	0.01146	16-Oct-19	3530	0	17-Oct-19	3530	0.00000	18-Oct-19	3540	0.00283
21-Oct-19	3500	-0.01130	22-Oct-19	3520	0.00571	23-Oct-19	3480	-0.01136	24-Oct-19	3450	-0.00862	25-Oct-19	3390	-0.01739
28-Oct-19	3460	0.02065	29-Oct-19	3520	0.01734	30-Oct-19	3550	0.00852	31-Oct-19	3550	0	01-Nov-19	3520	-0.00845
04-Nov-19	3550	0.00852	05-Nov-19	3500	-0.01408	06-Nov-19	3520	0.00571	07-Nov-19	3500	-0.00568	08-Nov-19	3450	-0.01429
11-Nov-19	3300	-0.04348	12-Nov-19	3460	0.04848	13-Nov-19	3440	-0.00578	14-Nov-19	3480	0.01163	15-Nov-19	3480	0
18-Nov-19	3480	0	19-Nov-19	3530	0.01437	20-Nov-19	3550	0.00567	21-Nov-19	3500	-0.01408	22-Nov-19	3540	0.01143
25-Nov-19	3550	0.00282	26-Nov-19	3490	-0.01690	27-Nov-19	3390	-0.02865	28-Nov-19	3230	-0.04720	29-Nov-19	3340	0.03406
02-Dec-19	3390	0.01497	03-Dec-19	3420	0.00885	04-Dec-19	3410	-0.00292	05-Dec-19	3350	-0.01760	06-Dec-19	3400	0.01493
09-Dec-19	3270	-0.03824	10-Dec-19	3300	0.00917	11-Dec-19	3300	0	12-Dec-19	3260	-0.01212	13-Dec-19	3240	-0.00613
16-Dec-19	3210	-0.00926	17-Dec-19	3310	0.03115	18-Dec-19	3330	0.00604	19-Dec-19	3220	-0.03303	20-Dec-19	3320	0.03106
23-Dec-19	3310	-0.00301	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	3260	-0.01511	27-Dec-19	3250	-0.00307
30-Dec-19	3150	-0.03077	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	3210	0.01905	03-Jan-20	3200	-0.00312
06-Jan-20	3240	0.01250	07-Jan-20	3250	0.00309	08-Jan-20	3300	0.01538	09-Jan-20	3290	-0.00303	10-Jan-20	3290	0
13-Jan-20	3310	0.00608	14-Jan-20	3330	0.00604	15-Jan-20	3250	-0.02402	16-Jan-20	3330	0.02462	17-Jan-20	3360	0.00901
20-Jan-20	3360	0	21-Jan-20	3300	-0.01786	22-Jan-20	3200	-0.03030	23-Jan-20	3220	0.00625	24-Jan-20	3190	-0.00932
27-Jan-20	3060	-0.04075	28-Jan-20	3050	-0.00327	29-Jan-20	3010	-0.01311	30-Jan-20	2940	-0.02326	31-Jan-20	2900	-0.01361
Rata2 Return Senin	-0.00096		Rata2 Return Selasa		0.00500	Rata2 Return Rabu		-0.00064	Rata2 Return Kamis		0.00196	Rata2 Return Jumat		0.00152

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



7. Indika Engery Tbk. (INDY)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	2130		01-Feb-19	2120	-0.00469
04-Feb-19	2150	0.01415	05-Feb-19	0	0	06-Feb-19	2170	0.00930	07-Feb-19	2120	-0.02304	08-Feb-19	2050	-0.03302
11-Feb-19	1955	-0.04634	12-Feb-19	1940	-0.00767	13-Feb-19	1920	-0.01031	14-Feb-19	1835	-0.04427	15-Feb-19	1795	-0.02180
18-Feb-19	1785	-0.00557	19-Feb-19	1925	0.07843	20-Feb-19	1955	0.01558	21-Feb-19	2180	0.11509	22-Feb-19	2170	-0.00459
25-Feb-19	2080	-0.04147	26-Feb-19	1985	-0.04567	27-Feb-19	2000	0.00756	28-Feb-19	1955	-0.02250	01-Mar-19	2000	0.02302
04-Mar-19	2130	0.06500	05-Mar-19	2090	-0.01878	06-Mar-19	2020	-0.03349	07-Mar-19	-	0	08-Mar-19	2060	0.01980
11-Mar-19	2100	0.01942	12-Mar-19	2030	-0.03333	13-Mar-19	2110	0.03941	14-Mar-19	2120	0.00474	15-Mar-19	2110	-0.00472
18-Mar-19	2070	-0.01896	19-Mar-19	2060	-0.00483	20-Mar-19	2060	0	21-Mar-19	2020	-0.01942	22-Mar-19	1985	-0.01733
25-Mar-19	1920	-0.03275	26-Mar-19	1930	0.00521	27-Mar-19	1900	-0.01554	28-Mar-19	1900	0	29-Mar-19	1845	-0.02895
01-Apr-19	1795	-0.02710	02-Apr-19	1790	-0.00279	03-Apr-19	0	0	04-Apr-19	1720	-0.03911	05-Apr-19	1740	0.01163
08-Apr-19	1735	-0.00287	09-Apr-19	1780	0.02594	10-Apr-19	1745	-0.01966	11-Apr-19	1750	0.00287	12-Apr-19	1730	-0.01143
15-Apr-19	1715	-0.00867	16-Apr-19	1720	0.00292	17-Apr-19	0	0	18-Apr-19	1660	-0.03488	19-Apr-19	0	0
22-Apr-19	1640	-0.01205	23-Apr-19	1720	0.04878	24-Apr-19	1735	0.00872	25-Apr-19	1720	-0.00865	26-Apr-19	1715	-0.00291
29-Apr-19	1705	-0.00583	30-Apr-19	1705	0.00000	01-May-19	0	0	02-May-19	1705	0	03-May-19	1665	-0.02346
06-May-19	1680	0.00901	07-May-19	1575	-0.06250	08-May-19	1520	-0.03492	09-May-19	1465	-0.03618	10-May-19	1485	0.01365
13-May-19	1470	-0.01010	14-May-19	1395	-0.05102	15-May-19	1310	-0.06093	16-May-19	1170	-0.10687	17-May-19	1215	0.03846
20-May-19	1225	0.00823	21-May-19	1285	0.04898	22-May-19	1280	-0.00389	23-May-19	1340	0.04688	24-May-19	1450	0.08209
27-May-19	1490	0.02759	28-May-19	1440	-0.03356	29-May-19	1405	-0.02431	30-May-19	0	0	31-May-19	1410	0.00356
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	1400	-0.00709	11-Jun-19	1390	-0.00714	12-Jun-19	1450	0.04317	13-Jun-19	1455	0.00345	14-Jun-19	1440	-0.01031
17-Jun-19	1360	-0.05556	18-Jun-19	1345	-0.01103	19-Jun-19	0	0	20-Jun-19	1360	0.01115	21-Jun-19	1340	-0.01471
24-Jun-19	1335	-0.00373	25-Jun-19	1675	0.25468	26-Jun-19	1660	-0.00896	27-Jun-19	1685	0.01506	28-Jun-19	1680	-0.00297
01-Jul-19	1780	0.05952	02-Jul-19	1745	-0.01966	03-Jul-19	1720	-0.01433	04-Jul-19	1785	0.03779	05-Jul-19	1790	0.00280
08-Jul-19	1745	-0.02514	09-Jul-19	1695	-0.02865	10-Jul-19	1725	0.01770	11-Jul-19	1715	-0.00580	12-Jul-19	1630	-0.04956
15-Jul-19	1610	-0.01227	16-Jul-19	1670	0.03727	17-Jul-19	1610	-0.03593	18-Jul-19	1640	0.01863	19-Jul-19	1630	-0.00610
22-Jul-19	1605	-0.01534	23-Jul-19	1635	0.01869	24-Jul-19	1620	-0.00917	25-Jul-19	1605	-0.00926	26-Jul-19	1585	-0.01246
29-Jul-19	1515	-0.04416	30-Jul-19	1510	-0.00330	31-Jul-19	1485	-0.01656	01-Aug-19	1510	0.01684	02-Aug-19	1510	0
05-Aug-19	1430	-0.05298	06-Aug-19	1385	-0.03147	07-Aug-19	1390	0.00361	08-Aug-19	1390	0	09-Aug-19	1395	0.00360
12-Aug-19	1365	-0.02151	13-Aug-19	1325	-0.02930	14-Aug-19	1375	0.03774	15-Aug-19	1345	-0.02182	16-Aug-19	1385	0.02974
19-Aug-19	1385	0	20-Aug-19	1380	-0.00361	21-Aug-19	1350	-0.02174	22-Aug-19	1325	-0.01852	23-Aug-19	1365	0.03019
26-Aug-19	1330	-0.02564	27-Aug-19	1350	0.01504	28-Aug-19	1325	-0.01852	29-Aug-19	1335	0.00755	30-Aug-19	1350	0.01124
02-Sep-19	1335	-0.01111	03-Sep-19	1360	0.01873	04-Sep-19	1420	0.04412	05-Sep-19	1455	0.02465	06-Sep-19	1480	0.01718
09-Sep-19	1510	0.02027	10-Sep-19	1460	-0.03311	11-Sep-19	1515	0.03767	12-Sep-19	1510	-0.00330	13-Sep-19	1450	-0.03974
16-Sep-19	1485	0.02414	17-Sep-19	1470	-0.01010	18-Sep-19	1435	-0.02381	19-Sep-19	1420	-0.01045	20-Sep-19	1405	-0.01056
23-Sep-19	1380	-0.01779	24-Sep-19	1345	-0.02536	25-Sep-19	1345	0	26-Sep-19	1340	-0.00372	27-Sep-19	1360	0.01493
30-Sep-19	1315	-0.03309	01-Oct-19	1345	0.02281	02-Oct-19	1305	-0.02974	03-Oct-19	1290	-0.01149	04-Oct-19	1285	-0.00388
07-Oct-19	1290	0.00389	08-Oct-19	1305	0.01163	09-Oct-19	1290	-0.01149	10-Oct-19	1250	-0.03101	11-Oct-19	1275	0.02000
14-Oct-19	1285	0.00784	15-Oct-19	1305	0.01556	16-Oct-19	1300	-0.00383	17-Oct-19	1315	0.01154	18-Oct-19	1390	0.05703
21-Oct-19	1380	-0.00719	22-Oct-19	1350	-0.02174	23-Oct-19	1350	0	24-Oct-19	1345	-0.00370	25-Oct-19	1315	-0.02230
28-Oct-19	1375	0.04563	29-Oct-19	1330	-0.03273	30-Oct-19	1330	0	31-Oct-19	1285	-0.03383	01-Nov-19	1255	-0.02335
04-Nov-19	1275	0.01594	05-Nov-19	1330	0.04314	06-Nov-19	1370	0.03008	07-Nov-19	1320	-0.03650	08-Nov-19	1360	0.03030
11-Nov-19	1340	-0.01471	12-Nov-19	1325	-0.01119	13-Nov-19	1300	-0.01887	14-Nov-19	1250	-0.03846	15-Nov-19	1285	0.02800
18-Nov-19	1295	0.00778	19-Nov-19	1260	-0.02703	20-Nov-19	1250	-0.00794	21-Nov-19	1265	0.01200	22-Nov-19	1250	-0.01186
25-Nov-19	1260	0.00800	26-Nov-19	1270	0.00794	27-Nov-19	1235	-0.02756	28-Nov-19	1150	-0.06883	29-Nov-19	1085	-0.05652
02-Dec-19	1100	0.01382	03-Dec-19	1115	0.01364	04-Dec-19	1075	-0.03587	05-Dec-19	1095	0.01860	06-Dec-19	1100	0.00457
09-Dec-19	1130	0.02727	10-Dec-19	1195	0.05752	11-Dec-19	1165	-0.02510	12-Dec-19	1155	-0.00858	13-Dec-19	1160	0.00433
16-Dec-19	1245	0.07328	17-Dec-19	1300	0.04418	18-Dec-19	1255	-0.03462	19-Dec-19	1270	0.01195	20-Dec-19	1255	-0.01181
23-Dec-19	1245	-0.00797	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1240	-0.00402	27-Dec-19	1220	-0.01613
30-Dec-19	1195	-0.02049	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1210	0.01255	03-Jan-20	1225	0.01240
06-Jan-20	1235	0.00816	07-Jan-20	1275	0.03239	08-Jan-20	1245	-0.02353	09-Jan-20	1235	-0.00803	10-Jan-20	1265	0.02429
13-Jan-20	1270	0.00395	14-Jan-20	1245	-0.01969	15-Jan-20	1200	-0.03614	16-Jan-20	1200	0	17-Jan-20	1200	0
20-Jan-20	1135	-0.05417	21-Jan-20	1125	-0.00881	22-Jan-20	1080	-0.04000	23-Jan-20	1085	0.00463	24-Jan-20	1085	0
27-Jan-20	1010	-0.06912	28-Jan-20	1030	0.01980	29-Jan-20	1005	-0.02427	30-Jan-20	980	-0.02488	31-Jan-20	960	-0.02041
Rata2 Return Senin	-0.00477		Rata2 Return Selasa	0.00460		Rata2 Return Rabu	-0.00724		Rata2 Return Kamis	-0.00579		Rata2 Return Jumat	0.00033	

1. Ditaring mengutip sebagian atau seluruh isi karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



8. Indah Kiat Pulp & Paper Tbk. (INKP)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	13000		01-Feb-19	12675	-0.02500
04-Feb-19	12500	-0.01381	05-Feb-19	0	0	06-Feb-19	13100	0.04800	07-Feb-19	12950	-0.01145	08-Feb-19	12675	-0.02124
11-Feb-19	12500	-0.01381	12-Feb-19	12450	-0.00400	13-Feb-19	12625	0.01406	14-Feb-19	11975	-0.05149	15-Feb-19	11500	-0.03967
18-Feb-19	11875	0.03261	19-Feb-19	11925	0.00421	20-Feb-19	12250	0.02725	21-Feb-19	12175	-0.00612	22-Feb-19	12175	0
25-Feb-19	12175	0	26-Feb-19	12050	-0.01027	27-Feb-19	11775	-0.02282	28-Feb-19	11025	-0.06369	01-Mar-19	11175	0.01361
04-Mar-19	11250	0.00671	05-Mar-19	11025	-0.02000	06-Mar-19	10725	-0.02721	07-Mar-19	0	0	08-Mar-19	10650	-0.00699
11-Mar-19	10325	-0.03052	12-Mar-19	9550	-0.07506	13-Mar-19	8875	-0.07068	14-Mar-19	9350	0.05352	15-Mar-19	9850	0.05348
18-Mar-19	10075	0.02284	19-Mar-19	10050	-0.00248	20-Mar-19	10125	0.00746	21-Mar-19	10200	0.00741	22-Mar-19	9900	-0.02941
25-Mar-19	9275	-0.06313	26-Mar-19	9150	-0.01348	27-Mar-19	9325	0.01913	28-Mar-19	9350	0.00268	29-Mar-19	8675	-0.07219
01-Apr-19	8300	-0.04323	02-Apr-19	8300	0	03-Apr-19	0	0	04-Apr-19	7750	-0.06627	05-Apr-19	8200	0.05806
08-Apr-19	8200	0	09-Apr-19	8575	0.04573	10-Apr-19	8175	-0.04665	11-Apr-19	8025	-0.01835	12-Apr-19	8050	0.00312
15-Apr-19	7925	-0.01553	16-Apr-19	7775	-0.01893	17-Apr-19	0	0	18-Apr-19	7500	-0.03537	19-Apr-19	0	0
22-Apr-19	7200	-0.04000	23-Apr-19	7325	0.01736	24-Apr-19	7225	-0.01365	25-Apr-19	7100	-0.01730	26-Apr-19	6875	-0.03169
29-Apr-19	7400	0.07636	30-Apr-19	7400	0	01-May-19	0	0	02-May-19	6900	-0.06757	03-May-19	6675	-0.03261
06-May-19	6925	0.03745	07-May-19	6775	-0.02166	08-May-19	6750	-0.00369	09-May-19	6250	-0.07407	10-May-19	6450	0.03200
13-May-19	6175	-0.04264	14-May-19	6100	-0.01215	15-May-19	5950	-0.02459	16-May-19	5725	-0.03782	17-May-19	5500	-0.03930
20-May-19	5850	0.06364	21-May-19	6300	0.07692	22-May-19	6075	-0.03571	23-May-19	6450	0.06173	24-May-19	6175	-0.04264
27-May-19	6775	0.09717	28-May-19	6925	0.02214	29-May-19	7150	0.03249	30-May-19	0	0	31-May-19	7750	0.08392
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	7800	0.00645	11-Jun-19	7600	-0.02564	12-Jun-19	7050	-0.07237	13-Jun-19	7425	0.05319	14-Jun-19	7300	-0.01684
17-Jun-19	7275	-0.00342	18-Jun-19	7325	0.00687	19-Jun-19	0	0	20-Jun-19	9900	0.35154	21-Jun-19	9975	0.00758
24-Jun-19	9450	-0.05263	25-Jun-19	9700	0.02646	26-Jun-19	9300	-0.04124	27-Jun-19	9475	0.01882	28-Jun-19	9375	-0.01055
01-Jul-19	9450	0.00800	02-Jul-19	9275	-0.01852	03-Jul-19	9050	-0.02426	04-Jul-19	8700	-0.03867	05-Jul-19	8400	-0.03448
08-Jul-19	8350	-0.00595	09-Jul-19	8925	0.06886	10-Jul-19	8750	-0.01961	11-Jul-19	8350	-0.04571	12-Jul-19	7850	-0.05988
15-Jul-19	8125	0.03503	16-Jul-19	8025	-0.01231	17-Jul-19	7900	-0.01558	18-Jul-19	8475	0.07278	19-Jul-19	8250	-0.02655
22-Jul-19	8100	-0.01818	23-Jul-19	8100	0	24-Jul-19	8000	-0.01235	25-Jul-19	7825	-0.02188	26-Jul-19	7550	-0.03514
29-Jul-19	7275	-0.03642	30-Jul-19	7500	0.03093	31-Jul-19	7475	-0.00333	01-Aug-19	7425	-0.00669	02-Aug-19	7100	-0.04377
05-Aug-19	6850	-0.03521	06-Aug-19	6675	-0.02555	07-Aug-19	6675	0	08-Aug-19	7200	0.07865	09-Aug-19	7075	-0.01736
12-Aug-19	7050	-0.00353	13-Aug-19	6725	-0.04610	14-Aug-19	6925	0.02974	15-Aug-19	8100	0.16968	16-Aug-19	7525	-0.07099
19-Aug-19	7525	0	20-Aug-19	7150	-0.04983	21-Aug-19	7075	-0.01049	22-Aug-19	6900	-0.02473	23-Aug-19	6950	0.00725
26-Aug-19	6700	-0.03597	27-Aug-19	6750	0.00746	28-Aug-19	6675	-0.01111	29-Aug-19	7075	0.05993	30-Aug-19	6850	-0.03180
02-Sep-19	6825	-0.00365	03-Sep-19	6675	-0.02198	04-Sep-19	6700	0.00375	05-Sep-19	7050	0.05224	06-Sep-19	7200	0.02128
09-Sep-19	7225	0.00347	10-Sep-19	7025	-0.02768	11-Sep-19	7225	0.02847	12-Sep-19	7075	-0.02076	13-Sep-19	7050	-0.00353
16-Sep-19	6925	-0.01773	17-Sep-19	7175	0.03610	18-Sep-19	7075	-0.01394	19-Sep-19	6925	-0.02120	20-Sep-19	6975	0.00722
23-Sep-19	6825	-0.02151	24-Sep-19	6675	-0.02198	25-Sep-19	6625	-0.00749	26-Sep-19	6625	0	27-Sep-19	6625	0
30-Sep-19	6475	-0.02264	01-Oct-19	6625	0.02317	02-Oct-19	6275	-0.05283	03-Oct-19	6100	-0.02789	04-Oct-19	6100	0
07-Oct-19	6050	-0.00820	08-Oct-19	6075	0.00413	09-Oct-19	6200	0.02058	10-Oct-19	5975	-0.03629	11-Oct-19	6100	0.02092
14-Oct-19	6275	0.02869	15-Oct-19	7000	0.11554	16-Oct-19	6975	-0.00357	17-Oct-19	6975	0	18-Oct-19	7100	0.01792
21-Oct-19	7050	-0.00704	22-Oct-19	7125	0.01064	23-Oct-19	7225	0.01404	24-Oct-19	7200	-0.00346	25-Oct-19	7025	-0.02431
28-Oct-19	7225	0.02847	29-Oct-19	7575	0.04844	30-Oct-19	7500	-0.00990	31-Oct-19	7275	-0.03000	01-Nov-19	7300	0.00344
04-Nov-19	7975	0.09247	05-Nov-19	7900	-0.00940	06-Nov-19	8075	0.02215	07-Nov-19	8275	0.02477	08-Nov-19	8200	-0.00906
11-Nov-19	8050	-0.01829	12-Nov-19	8375	0.04037	13-Nov-19	8300	-0.00896	14-Nov-19	7925	-0.04518	15-Nov-19	8000	0.00946
18-Nov-19	7975	-0.00313	19-Nov-19	7925	-0.00627	20-Nov-19	7800	-0.01577	21-Nov-19	7425	-0.04808	22-Nov-19	7250	-0.02357
25-Nov-19	7375	0.01724	26-Nov-19	6950	-0.05763	27-Nov-19	7200	0.03597	28-Nov-19	6925	-0.03819	29-Nov-19	6800	-0.01805
02-Dec-19	7325	0.07721	03-Dec-19	7525	0.02730	04-Dec-19	7425	-0.01329	05-Dec-19	7650	0.03030	06-Dec-19	7950	0.03922
09-Dec-19	7750	-0.02516	10-Dec-19	7750	0	11-Dec-19	7775	0.00323	12-Dec-19	7525	-0.03215	13-Dec-19	7875	0.04651
16-Dec-19	7900	0.00317	17-Dec-19	7775	-0.01582	18-Dec-19	8200	0.05466	19-Dec-19	7975	-0.02744	20-Dec-19	7825	-0.01881
23-Dec-19	7800	-0.00319	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	7775	-0.00321	27-Dec-19	7775	0
30-Dec-19	7700	-0.00965	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	7625	-0.00974	03-Jan-20	8100	0.06230
06-Jan-20	8000	-0.01235	07-Jan-20	8000	0	08-Jan-20	7975	-0.00313	09-Jan-20	8075	0.01254	10-Jan-20	8200	0.01548
13-Jan-20	8150	-0.00610	14-Jan-20	8100	-0.00613	15-Jan-20	8125	0.00309	16-Jan-20	8300	0.02154	17-Jan-20	8225	-0.00904
20-Jan-20	7900	-0.03951	21-Jan-20	8075	0.02215	22-Jan-20	7950	-0.01548	23-Jan-20	8000	0.00629	24-Jan-20	7975	-0.00313
27-Jan-20	7550	-0.05329	28-Jan-20	7450	-0.01325	29-Jan-20	7325	-0.01678	30-Jan-20	7075	-0.03413	31-Jan-20	6750	-0.04594
Rata2 Return Senin		-0.00132	Rata2 Return Selasa		0.00190	Rata2 Return Rabu		-0.00485	Rata2 Return Kamis		0.00217	Rata2 Return Jumat		-0.00643

1. Ditaring mengutip sebagian atau seluruh isi karya tulis ini tanpa mencantumkan dan menyebutkan sumber:

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



9. Indo Tambangraya Megah Tbk. (ITMG)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	22800		01-Feb-19	22175	-0.02741
04-Feb-19	22250	0.00338	05-Feb-19	0	0	06-Feb-19	22325	0.00337	07-Feb-19	22175	-0.00672	08-Feb-19	21875	-0.01353
11-Feb-19	21275	-0.02743	12-Feb-19	21400	0.00588	13-Feb-19	21150	-0.01168	14-Feb-19	21100	-0.00236	15-Feb-19	20800	-0.01422
18-Feb-19	21100	0.01442	19-Feb-19	21400	0.01422	20-Feb-19	21975	0.02687	21-Feb-19	23025	0.04778	22-Feb-19	23650	0.02714
25-Feb-19	22900	-0.03171	26-Feb-19	22175	-0.03166	27-Feb-19	21675	-0.02255	28-Feb-19	21375	-0.01384	01-Mar-19	21300	-0.00351
04-Mar-19	22700	0.06573	05-Mar-19	22400	-0.01322	06-Mar-19	22300	-0.00446	07-Mar-19	0	0	08-Mar-19	22275	-0.00112
11-Mar-19	22975	0.03143	12-Mar-19	22600	-0.01632	13-Mar-19	23075	0.02102	14-Mar-19	22975	-0.00433	15-Mar-19	22975	0
18-Mar-19	23125	0.00653	19-Mar-19	22850	-0.01189	20-Mar-19	22850	0	21-Mar-19	23350	0.02188	22-Mar-19	23275	-0.00321
25-Mar-19	23950	0.02900	26-Mar-19	23875	-0.00313	27-Mar-19	23850	-0.00105	28-Mar-19	23875	0.00105	29-Mar-19	23750	-0.00524
01-Apr-19	23850	0.00421	02-Apr-19	23925	0.00314	03-Apr-19	0	0	04-Apr-19	20875	-0.12748	05-Apr-19	20375	-0.02395
08-Apr-19	19600	-0.03804	09-Apr-19	19700	0.00510	10-Apr-19	19625	-0.00381	11-Apr-19	19975	0.01783	12-Apr-19	20425	0.02253
15-Apr-19	20200	-0.01102	16-Apr-19	20050	-0.00743	17-Apr-19	0	0.00000	18-Apr-19	19725	-0.01621	19-Apr-19	0	0
22-Apr-19	19675	-0.00253	23-Apr-19	20125	0.02287	24-Apr-19	20200	0.00373	25-Apr-19	20225	0.00124	26-Apr-19	20300	0.00371
29-Apr-19	19975	-0.01601	30-Apr-19	19225	-0.03755	01-May-19	0	0	02-May-19	18825	-0.02081	03-May-19	18225	-0.03187
06-May-19	18125	-0.00549	07-May-19	18100	-0.00138	08-May-19	17925	-0.00967	09-May-19	16950	-0.05439	10-May-19	17450	0.02950
13-May-19	17775	0.01862	14-May-19	17700	-0.00422	15-May-19	17350	-0.01977	16-May-19	17000	-0.02017	17-May-19	16200	-0.04706
20-May-19	16225	0.00154	21-May-19	17025	0.04931	22-May-19	17025	0.00000	23-May-19	17175	0.00881	24-May-19	17100	-0.00437
27-May-19	17050	-0.00292	28-May-19	17000	-0.00293	29-May-19	17250	0.01471	30-May-19	0	0	31-May-19	17525	0.01594
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	17000	-0.02996	11-Jun-19	17000	0	12-Jun-19	17100	0.00588	13-Jun-19	17000	-0.00585	14-Jun-19	16800	-0.01176
17-Jun-19	16850	0.00298	18-Jun-19	17000	0.00890	19-Jun-19	0	0	20-Jun-19	17000	0.00000	21-Jun-19	17000	0
24-Jun-19	17025	0.00147	25-Jun-19	18000	0.05727	26-Jun-19	17700	-0.01667	27-Jun-19	17775	0.00424	28-Jun-19	17550	-0.01266
01-Jul-19	17825	0.01567	02-Jul-19	17250	-0.03226	03-Jul-19	17275	0.00145	04-Jul-19	17200	-0.00434	05-Jul-19	17800	0.03488
08-Jul-19	17300	-0.02809	09-Jul-19	17400	0.00578	10-Jul-19	17500	0.00575	11-Jul-19	17500	0	12-Jul-19	17250	-0.01429
15-Jul-19	17425	0.01014	16-Jul-19	17425	0	17-Jul-19	17225	-0.01148	18-Jul-19	17225	0	19-Jul-19	17150	-0.00435
22-Jul-19	16850	-0.01749	23-Jul-19	16950	0.00593	24-Jul-19	17050	0.00590	25-Jul-19	16950	-0.00587	26-Jul-19	17000	0.00295
29-Jul-19	17075	0.00441	30-Jul-19	16750	-0.01903	31-Jul-19	16825	0.00448	01-Aug-19	16850	0.00149	02-Aug-19	16850	0
05-Aug-19	16850	0	06-Aug-19	16050	-0.04748	07-Aug-19	15700	-0.02181	08-Aug-19	15325	-0.02389	09-Aug-19	15050	-0.01794
12-Aug-19	14650	-0.02658	13-Aug-19	14000	-0.04437	14-Aug-19	13975	-0.00179	15-Aug-19	13400	-0.04114	16-Aug-19	12900	-0.03731
19-Aug-19	12950	0.00388	20-Aug-19	12925	-0.00193	21-Aug-19	12400	-0.04062	22-Aug-19	12025	-0.03024	23-Aug-19	12075	0.00416
26-Aug-19	12000	-0.00621	27-Aug-19	12200	0.01667	28-Aug-19	12225	0.00205	29-Aug-19	12650	0.03476	30-Aug-19	13000	0.02767
02-Sep-19	12450	-0.04231	03-Sep-19	12575	0.01004	04-Sep-19	13150	0.04573	05-Sep-19	14025	0.06654	06-Sep-19	14425	0.02852
09-Sep-19	14900	0.03293	10-Sep-19	14700	-0.01342	11-Sep-19	14625	-0.00510	12-Sep-19	14075	-0.03761	13-Sep-19	13350	-0.05151
16-Sep-19	13300	-0.00375	17-Sep-19	13300	0	18-Sep-19	12925	-0.02820	19-Sep-19	12750	-0.01354	20-Sep-19	12425	-0.02549
23-Sep-19	12450	0.00201	24-Sep-19	12900	0.03614	25-Sep-19	12775	-0.00969	26-Sep-19	12800	0.00196	27-Sep-19	12675	-0.00977
30-Sep-19	12400	-0.02170	01-Oct-19	12475	0.00605	02-Oct-19	12150	-0.02605	03-Oct-19	12125	-0.00206	04-Oct-19	12025	-0.00825
07-Oct-19	12100	0.00624	08-Oct-19	12400	0.02479	09-Oct-19	12650	0.02016	10-Oct-19	12875	0.01779	11-Oct-19	12925	0.00388
14-Oct-19	13150	0.01741	15-Oct-19	13000	-0.01141	16-Oct-19	12675	-0.02500	17-Oct-19	12450	-0.01775	18-Oct-19	12250	-0.01606
21-Oct-19	12750	0.04082	22-Oct-19	12700	-0.00392	23-Oct-19	13450	0.05906	24-Oct-19	13500	0.00372	25-Oct-19	13475	-0.00185
28-Oct-19	13475	0	29-Oct-19	13325	-0.01113	30-Oct-19	13450	0.00938	31-Oct-19	13300	-0.01115	01-Nov-19	12650	-0.04887
04-Nov-19	12500	-0.01186	05-Nov-19	12750	0.02000	06-Nov-19	12700	-0.00392	07-Nov-19	12400	-0.02362	08-Nov-19	12900	0.04032
11-Nov-19	13100	0.01550	12-Nov-19	12875	-0.01718	13-Nov-19	12500	-0.02913	14-Nov-19	12350	-0.01200	15-Nov-19	12375	0.00202
18-Nov-19	12200	-0.01414	19-Nov-19	12050	-0.01230	20-Nov-19	12000	-0.00415	21-Nov-19	11850	-0.01250	22-Nov-19	11525	-0.02743
25-Nov-19	11525	0	26-Nov-19	11300	-0.01952	27-Nov-19	10950	-0.03097	28-Nov-19	10575	-0.03425	29-Nov-19	10225	-0.03310
02-Dec-19	10625	0.03912	03-Dec-19	10275	-0.03294	04-Dec-19	10200	-0.00730	05-Dec-19	10100	-0.00980	06-Dec-19	10100	0
09-Dec-19	10200	0.00990	10-Dec-19	10850	0.06373	11-Dec-19	10725	-0.01152	12-Dec-19	10750	0.00233	13-Dec-19	11050	0.02791
16-Dec-19	11375	0.02941	17-Dec-19	11275	-0.00879	18-Dec-19	11325	0.00443	19-Dec-19	11225	-0.00883	20-Dec-19	11350	0.01114
23-Dec-19	11175	-0.01542	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	11250	0.00671	27-Dec-19	11225	-0.00222
30-Dec-19	11475	0.02227	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	11350	-0.01089	03-Jan-20	11725	0.03304
06-Jan-20	11800	0.00640	07-Jan-20	11900	0.00847	08-Jan-20	11725	-0.01471	09-Jan-20	11825	0.00853	10-Jan-20	12675	0.07188
13-Jan-20	13350	0.05325	14-Jan-20	13300	-0.00375	15-Jan-20	12700	-0.04511	16-Jan-20	12700	0	17-Jan-20	12775	0.00591
20-Jan-20	12375	-0.03131	21-Jan-20	12150	-0.01818	22-Jan-20	12025	-0.01029	23-Jan-20	11850	-0.01455	24-Jan-20	11700	-0.01266
27-Jan-20	11350	-0.02991	28-Jan-20	11175	-0.01542	29-Jan-20	10900	-0.02461	30-Jan-20	10750	-0.01376	31-Jan-20	10050	-0.06512
Rata2 Return Senin	0.00144		Rata2 Return Selasa		-0.00151	Rata2 Return Rabu		-0.00398	Rata2 Return Kamis		-0.00679	Rata2 Return Jumat		-0.00345

1. Ditaring mengutip sebagian atau seluruhnya karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



10. Jasa Marga (Persero) Tbk. (JSMR)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	4920		01-Feb-19	4910	-0.00203
04-Feb-19	4820	-0.01833	05-Feb-19	0	0	06-Feb-19	5075	0.05290	07-Feb-19	5100	0.00493	08-Feb-19	5025	-0.01471
11-Feb-19	4960	-0.01294	12-Feb-19	5025	0.01310	13-Feb-19	4990	-0.00697	14-Feb-19	5100	0.02204	15-Feb-19	5025	-0.01471
18-Feb-19	5100	0.01493	19-Feb-19	5100	0	20-Feb-19	4990	-0.02157	21-Feb-19	5025	0.00701	22-Feb-19	4960	-0.01294
25-Feb-19	4910	-0.01008	26-Feb-19	4990	0.01629	27-Feb-19	5250	0.05210	28-Feb-19	5225	-0.00476	01-Mar-19	5375	0.02871
04-Mar-19	5375	0	05-Mar-19	5250	-0.02326	06-Mar-19	5150	-0.01905	07-Mar-19	0	0	08-Mar-19	5075	-0.01456
11-Mar-19	5025	-0.00985	12-Mar-19	5025	0	13-Mar-19	5075	0.00995	14-Mar-19	5050	-0.00493	15-Mar-19	5250	0.03960
18-Mar-19	5250	0	19-Mar-19	5300	0.00952	20-Mar-19	5300	0	21-Mar-19	5400	0.01887	22-Mar-19	5300	-0.01852
25-Mar-19	5075	-0.04245	26-Mar-19	5400	0.06404	27-Mar-19	5700	0.05556	28-Mar-19	5850	0.02632	29-Mar-19	5975	0.02137
01-Apr-19	5925	-0.00837	02-Apr-19	5950	0.00422	03-Apr-19	0	0	04-Apr-19	6025	0.01261	05-Apr-19	6075	0.00830
08-Apr-19	6025	-0.00823	09-Apr-19	6175	0.02490	10-Apr-19	5975	-0.03239	11-Apr-19	6025	0.00837	12-Apr-19	6000	-0.00415
15-Apr-19	6125	0.02083	16-Apr-19	6100	-0.00408	17-Apr-19	0	0	18-Apr-19	6050	-0.00820	19-Apr-19	0	0
22-Apr-19	5975	-0.01240	23-Apr-19	5975	0	24-Apr-19	6100	0.02092	25-Apr-19	6050	-0.00820	26-Apr-19	6125	0.01240
29-Apr-19	6175	0.00816	30-Apr-19	6100	-0.01215	01-May-19	0	0	02-May-19	6000	-0.01639	03-May-19	5850	-0.02500
06-May-19	5625	-0.03846	07-May-19	5700	0.01333	08-May-19	5650	-0.00877	09-May-19	5550	-0.01770	10-May-19	5600	0.00901
13-May-19	5350	-0.04464	14-May-19	5450	0.01869	15-May-19	5300	-0.02752	16-May-19	5100	-0.03774	17-May-19	5025	-0.01471
20-May-19	5275	0.04975	21-May-19	5325	0.00948	22-May-19	5300	-0.00469	23-May-19	5500	0.03774	24-May-19	5650	0.02727
27-May-19	5700	0.00885	28-May-19	5375	-0.05702	29-May-19	5500	0.02326	30-May-19	0	0	31-May-19	5700	0.03636
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	5700	0	11-Jun-19	5700	0	12-Jun-19	5825	0.02193	13-Jun-19	5700	-0.02146	14-Jun-19	5700	0
17-Jun-19	5675	-0.00439	18-Jun-19	5700	0.00441	19-Jun-19	0	0	20-Jun-19	6050	0.06140	21-Jun-19	5850	-0.03306
24-Jun-19	5850	0	25-Jun-19	5800	-0.00855	26-Jun-19	5725	-0.01293	27-Jun-19	5725	0	28-Jun-19	5725	0.00000
01-Jul-19	5900	0.03057	02-Jul-19	5900	0	03-Jul-19	5800	-0.01695	04-Jul-19	5775	-0.00431	05-Jul-19	5650	-0.02165
08-Jul-19	5525	-0.02212	09-Jul-19	5700	0.03167	10-Jul-19	5675	-0.00439	11-Jul-19	5750	0.01322	12-Jul-19	5650	-0.01739
15-Jul-19	5825	0.03097	16-Jul-19	5900	0.01288	17-Jul-19	5925	0.00424	18-Jul-19	6175	0.04219	19-Jul-19	6225	0.00810
22-Jul-19	6100	-0.02008	23-Jul-19	6000	-0.01639	24-Jul-19	6050	0.00833	25-Jul-19	5975	-0.01240	26-Jul-19	5750	-0.03766
29-Jul-19	5675	-0.01304	30-Jul-19	5950	0.04846	31-Jul-19	6000	0.00840	01-Aug-19	5875	-0.02083	02-Aug-19	5825	-0.00851
05-Aug-19	5600	-0.03863	06-Aug-19	5675	0.01339	07-Aug-19	5700	0.00441	08-Aug-19	5725	0.00439	09-Aug-19	5725	0.00000
12-Aug-19	5850	0.02183	13-Aug-19	5750	-0.01709	14-Aug-19	5725	-0.00435	15-Aug-19	5850	0.02183	16-Aug-19	5750	-0.01709
19-Aug-19	5750	0	20-Aug-19	5700	-0.00870	21-Aug-19	5675	-0.00439	22-Aug-19	5675	0	23-Aug-19	5700	0.00441
26-Aug-19	5700	0	27-Aug-19	5525	-0.03070	28-Aug-19	5350	-0.03167	29-Aug-19	5475	0.02336	30-Aug-19	5600	0.02283
02-Sep-19	5400	-0.03571	03-Sep-19	5350	-0.00926	04-Sep-19	5350	0	05-Sep-19	5325	-0.00467	06-Sep-19	5450	0.02347
09-Sep-19	5400	-0.00917	10-Sep-19	5525	0.02315	11-Sep-19	5525	0	12-Sep-19	5400	-0.02262	13-Sep-19	5500	0.01852
16-Sep-19	5575	0.01364	17-Sep-19	5575	0	18-Sep-19	5675	0.01794	19-Sep-19	5575	-0.01762	20-Sep-19	5650	0.01345
23-Sep-19	5550	-0.01770	24-Sep-19	5550	0	25-Sep-19	5750	0.03604	26-Sep-19	5750	0	27-Sep-19	5775	0.00435
30-Sep-19	5700	-0.01299	01-Oct-19	5650	-0.00877	02-Oct-19	5575	-0.01327	03-Oct-19	5450	-0.02242	04-Oct-19	5550	0.01835
07-Oct-19	5600	0.00901	08-Oct-19	5625	0.00446	09-Oct-19	5500	-0.02222	10-Oct-19	5275	-0.04091	11-Oct-19	5500	0.04265
14-Oct-19	5625	0.02273	15-Oct-19	5700	0.01333	16-Oct-19	5675	-0.00439	17-Oct-19	5650	-0.00441	18-Oct-19	5575	-0.01327
21-Oct-19	5575	0	22-Oct-19	5650	0.01345	23-Oct-19	5700	0.00885	24-Oct-19	5725	0.00439	25-Oct-19	5800	0.01310
28-Oct-19	5800	0	29-Oct-19	5800	0	30-Oct-19	5600	-0.03448	31-Oct-19	5450	-0.02679	01-Nov-19	5250	-0.03670
04-Nov-19	5275	0.00476	05-Nov-19	5475	0.03791	06-Nov-19	5325	-0.02740	07-Nov-19	5200	-0.02347	08-Nov-19	5100	-0.01923
11-Nov-19	5050	-0.00980	12-Nov-19	4990	-0.01188	13-Nov-19	5050	0.01202	14-Nov-19	4900	-0.02970	15-Nov-19	5075	0.03571
18-Nov-19	5075	0	19-Nov-19	5200	0.02463	20-Nov-19	5175	-0.00481	21-Nov-19	5150	-0.00483	22-Nov-19	5100	-0.00971
25-Nov-19	4980	-0.02353	26-Nov-19	4870	-0.02209	27-Nov-19	4780	-0.01848	28-Nov-19	4590	-0.03975	29-Nov-19	4940	0.07625
02-Dec-19	5175	0.04757	03-Dec-19	5100	-0.01449	04-Dec-19	5275	0.03431	05-Dec-19	5200	-0.01422	06-Dec-19	5175	-0.00481
09-Dec-19	5025	-0.02899	10-Dec-19	5025	0.00000	11-Dec-19	5050	0.00498	12-Dec-19	5075	0.00495	13-Dec-19	5225	0.02956
16-Dec-19	5350	0.02392	17-Dec-19	5275	-0.01402	18-Dec-19	5275	0	19-Dec-19	5300	0.00474	20-Dec-19	5300	0
23-Dec-19	5375	0.01415	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	5300	-0.01395	27-Dec-19	5300	0
30-Dec-19	5175	-0.02358	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	5175	0	03-Jan-20	5250	0.01449
06-Jan-20	5175	-0.01429	07-Jan-20	5075	-0.01932	08-Jan-20	5075	0	09-Jan-20	5100	0.00493	10-Jan-20	5200	0.01961
13-Jan-20	5225	0.00481	14-Jan-20	5250	0.00478	15-Jan-20	5175	-0.01429	16-Jan-20	5225	0.00966	17-Jan-20	5175	-0.00957
20-Jan-20	5050	-0.02415	21-Jan-20	5075	0.00495	22-Jan-20	4970	-0.02069	23-Jan-20	5050	0.01610	24-Jan-20	5075	0.00495
27-Jan-20	4860	-0.04236	28-Jan-20	4820	-0.00823	29-Jan-20	4900	0.01660	30-Jan-20	4800	-0.02041	31-Jan-20	4600	-0.04167
Rata2 Return Senin		-0.00423	Rata2 Return Selasa		0.00241	Rata2 Return Rabu		0.00071	Rata2 Return Kamis		-0.00180	Rata2 Return Jumat		0.00266

1. Ditaring mengutip sebagian atau seluruhnya karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



11. Matahari Department Store (LPPF)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	7000		01-Feb-19	6850	-0.02143
04-Feb-19	6575	-0.04015	05-Feb-19	0	0	06-Feb-19	6675	0.01521	07-Feb-19	6575	-0.01498	08-Feb-19	6700	0.01901
11-Feb-19	7000	0.04478	12-Feb-19	6750	-0.03571	13-Feb-19	6700	-0.00741	14-Feb-19	6000	-0.10448	15-Feb-19	6150	0.02500
18-Feb-19	5925	-0.03659	19-Feb-19	6000	0.01266	20-Feb-19	5925	-0.01250	21-Feb-19	5800	-0.02110	22-Feb-19	5775	-0.00431
25-Feb-19	5975	0.03463	26-Feb-19	5700	-0.04603	27-Feb-19	5550	-0.02632	28-Feb-19	5750	0.03604	01-Mar-19	5950	0.03478
04-Mar-19	5500	-0.07563	05-Mar-19	4280	-0.22182	06-Mar-19	3600	-0.15888	07-Mar-19	0	0	08-Mar-19	3880	0.07778
11-Mar-19	3650	-0.05928	12-Mar-19	3470	-0.04932	13-Mar-19	3460	-0.00288	14-Mar-19	3690	0.06647	15-Mar-19	3790	0.02710
18-Mar-19	4160	0.09763	19-Mar-19	4060	-0.02404	20-Mar-19	4110	0.01232	21-Mar-19	4150	0.00973	22-Mar-19	4150	0
25-Mar-19	4040	-0.02651	26-Mar-19	3950	-0.02228	27-Mar-19	3910	-0.01013	28-Mar-19	4050	0.03581	29-Mar-19	4050	0
01-Apr-19	4030	-0.00494	02-Apr-19	4000	-0.00744	03-Apr-19	0	0	04-Apr-19	3860	-0.03500	05-Apr-19	3940	0.02073
08-Apr-19	3830	-0.02792	09-Apr-19	3870	0.01044	10-Apr-19	3820	-0.01292	11-Apr-19	3820	0	12-Apr-19	3740	-0.02094
15-Apr-19	3690	-0.01337	16-Apr-19	3590	-0.02710	17-Apr-19	0	0.00000	18-Apr-19	3640	0.01393	19-Apr-19	0	0
22-Apr-19	3800	0.04396	23-Apr-19	3890	0.02368	24-Apr-19	3900	0.00257	25-Apr-19	4050	0.03846	26-Apr-19	4320	0.06667
29-Apr-19	4370	0.01157	30-Apr-19	4070	-0.06865	01-May-19	0	0	02-May-19	4050	-0.00491	03-May-19	4090	0.00988
06-May-19	4090	0	07-May-19	4040	-0.01222	08-May-19	3840	-0.04950	09-May-19	3860	0.00521	10-May-19	3830	-0.00777
13-May-19	3860	0.00783	14-May-19	3710	-0.03886	15-May-19	3650	-0.01617	16-May-19	3630	-0.00548	17-May-19	3670	0.01102
20-May-19	3720	0.01362	21-May-19	3760	0.01075	22-May-19	3680	-0.02128	23-May-19	3750	0.01902	24-May-19	3780	0.00800
27-May-19	3760	-0.00529	28-May-19	3720	-0.01064	29-May-19	3750	0.00806	30-May-19	0	0	31-May-19	3750	0
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	3750	0	11-Jun-19	3750	0	12-Jun-19	3650	-0.02667	13-Jun-19	3510	-0.03836	14-Jun-19	3400	-0.03134
17-Jun-19	3370	-0.00882	18-Jun-19	3330	-0.01187	19-Jun-19	0	0	20-Jun-19	3440	0.03303	21-Jun-19	3480	0.01163
24-Jun-19	3390	-0.02586	25-Jun-19	3410	0.00590	26-Jun-19	3450	0.01173	27-Jun-19	3430	-0.00580	28-Jun-19	3450	0.00583
01-Jul-19	3440	-0.00290	02-Jul-19	3540	0.02907	03-Jul-19	3410	-0.03672	04-Jul-19	3350	-0.01760	05-Jul-19	3340	-0.00299
08-Jul-19	3320	-0.00599	09-Jul-19	3310	-0.00301	10-Jul-19	3270	-0.01208	11-Jul-19	3270	0	12-Jul-19	3260	-0.00306
15-Jul-19	3260	0	16-Jul-19	3270	0.00307	17-Jul-19	3270	0	18-Jul-19	3250	-0.00612	19-Jul-19	3250	0
22-Jul-19	3260	0.00308	23-Jul-19	3480	0.06748	24-Jul-19	3790	0.08908	25-Jul-19	3800	0.00264	26-Jul-19	3700	-0.02632
29-Jul-19	3770	0.01892	30-Jul-19	3840	0.01857	31-Jul-19	3730	-0.02865	01-Aug-19	3540	-0.05094	02-Aug-19	3450	-0.02542
05-Aug-19	3300	-0.04348	06-Aug-19	3290	-0.00303	07-Aug-19	3270	-0.00608	08-Aug-19	3290	0.00612	09-Aug-19	3270	-0.00608
12-Aug-19	3250	-0.00612	13-Aug-19	3220	-0.00923	14-Aug-19	3250	0.00932	15-Aug-19	3270	0.00615	16-Aug-19	3250	-0.00612
19-Aug-19	3230	-0.00615	20-Aug-19	3160	-0.02167	21-Aug-19	3150	-0.00316	22-Aug-19	3030	-0.03810	23-Aug-19	3100	0.02310
26-Aug-19	3000	-0.03226	27-Aug-19	3000	0	28-Aug-19	3000	0	29-Aug-19	3000	0.00000	30-Aug-19	3020	0.00667
02-Sep-19	3020	0	03-Sep-19	3020	0	04-Sep-19	3010	-0.00331	05-Sep-19	3000	-0.00332	06-Sep-19	3020	0.00667
09-Sep-19	3030	0.00331	10-Sep-19	3010	-0.00660	11-Sep-19	3130	0.03987	12-Sep-19	3060	-0.02236	13-Sep-19	3030	-0.00980
16-Sep-19	3010	-0.00660	17-Sep-19	3010	0	18-Sep-19	3000	-0.00332	19-Sep-19	3030	0.01000	20-Sep-19	3200	0.05611
23-Sep-19	3120	-0.02500	24-Sep-19	3050	-0.02244	25-Sep-19	3020	-0.00984	26-Sep-19	3060	0.01325	27-Sep-19	3240	0.05882
30-Sep-19	3430	0.05864	01-Oct-19	3690	0.07580	02-Oct-19	3520	-0.04607	03-Oct-19	3580	0.01705	04-Oct-19	3800	0.06145
07-Oct-19	3700	-0.02632	08-Oct-19	3800	0.02703	09-Oct-19	3920	0.03158	10-Oct-19	3870	-0.01276	11-Oct-19	3980	0.02842
14-Oct-19	4030	0.01256	15-Oct-19	4250	0.05459	16-Oct-19	4220	-0.00706	17-Oct-19	4200	-0.00474	18-Oct-19	4180	-0.00476
21-Oct-19	4130	-0.01196	22-Oct-19	4170	0.00969	23-Oct-19	3980	-0.04556	24-Oct-19	3940	-0.01005	25-Oct-19	3750	-0.04822
28-Oct-19	3890	0.03733	29-Oct-19	3760	-0.03342	30-Oct-19	3700	-0.01596	31-Oct-19	3640	-0.01622	01-Nov-19	3600	-0.01099
04-Nov-19	3520	-0.02222	05-Nov-19	3530	0.00284	06-Nov-19	3700	0.04816	07-Nov-19	3610	-0.02432	08-Nov-19	3650	0.01108
11-Nov-19	3600	-0.01370	12-Nov-19	3660	0.01667	13-Nov-19	3680	0.00546	14-Nov-19	3600	-0.02174	15-Nov-19	3500	-0.02778
18-Nov-19	3520	0.00571	19-Nov-19	3560	0.01136	20-Nov-19	3590	0.00843	21-Nov-19	3550	-0.01114	22-Nov-19	3600	0.01408
25-Nov-19	3560	-0.01111	26-Nov-19	3490	-0.01966	27-Nov-19	3550	0.01719	28-Nov-19	3580	0.00845	29-Nov-19	3530	-0.01397
02-Dec-19	3570	0.01133	03-Dec-19	3750	0.05042	04-Dec-19	3650	-0.02667	05-Dec-19	3740	0.02466	06-Dec-19	3760	0.00535
09-Dec-19	3620	-0.03723	10-Dec-19	3670	0.01381	11-Dec-19	3660	-0.00272	12-Dec-19	3710	0.01366	13-Dec-19	3700	-0.00270
16-Dec-19	3810	0.02973	17-Dec-19	3790	-0.00525	18-Dec-19	3870	0.02111	19-Dec-19	3970	0.02584	20-Dec-19	4370	0.10076
23-Dec-19	4250	-0.02746	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	4210	-0.00941	27-Dec-19	4210	0
30-Dec-19	4210	0	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	4120	-0.02138	03-Jan-20	4040	-0.01942
06-Jan-20	4200	0.03960	07-Jan-20	4190	-0.00238	08-Jan-20	4150	-0.00955	09-Jan-20	4140	-0.00241	10-Jan-20	4120	-0.00483
13-Jan-20	4230	0.02670	14-Jan-20	4280	0.01182	15-Jan-20	4280	0.00000	16-Jan-20	4280	0	17-Jan-20	4250	-0.00701
20-Jan-20	4150	-0.02353	21-Jan-20	4040	-0.02651	22-Jan-20	4020	-0.00495	23-Jan-20	3900	-0.02985	24-Jan-20	3710	-0.04872
27-Jan-20	3550	-0.04313	28-Jan-20	3600	0.01408	29-Jan-20	3470	-0.03611	30-Jan-20	3360	-0.03170	31-Jan-20	2940	-0.12500
Rata2 Return Senin	-0.00324		Rata2 Return Selasa	-0.00499		Rata2 Return Rabu	-0.00620		Rata2 Return Kamis	-0.00344		Rata2 Return Jumat	0.00398	

1. Ditaring mengutip sebagian atau seluruh dari karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



12. Media Nusantara Citra Tbk. (MNCN)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	845		01-Feb-19	845	0
04-Feb-19	830	-0.01775	05-Feb-19	0	0	06-Feb-19	865	0.04217	07-Feb-19	860	-0.00578	08-Feb-19	875	0.01744
11-Feb-19	850	-0.02857	12-Feb-19	825	-0.02941	13-Feb-19	825	0	14-Feb-19	855	0.03636	15-Feb-19	910	0.06433
18-Feb-19	955	0.04945	19-Feb-19	940	-0.01571	20-Feb-19	995	0.05851	21-Feb-19	965	-0.03015	22-Feb-19	945	-0.02073
25-Feb-19	945	0.00000	26-Feb-19	945	0	27-Feb-19	985	0.04233	28-Feb-19	935	-0.05076	01-Mar-19	945	0.01070
04-Mar-19	910	-0.03704	05-Mar-19	910	0	06-Mar-19	895	-0.01648	07-Mar-19	0	0	08-Mar-19	845	-0.05587
11-Mar-19	825	-0.02367	12-Mar-19	815	-0.01212	13-Mar-19	830	0.01840	14-Mar-19	825	-0.00602	15-Mar-19	865	0.04848
18-Mar-19	845	-0.02312	19-Mar-19	845	0	20-Mar-19	825	-0.02367	21-Mar-19	780	-0.05455	22-Mar-19	775	-0.00641
25-Mar-19	745	-0.03871	26-Mar-19	730	-0.02013	27-Mar-19	755	0.03425	28-Mar-19	755	0	29-Mar-19	750	-0.00662
01-Apr-19	750	0	02-Apr-19	750	0	03-Apr-19	0	0	04-Apr-19	755	0.00667	05-Apr-19	785	0.03974
08-Apr-19	780	-0.00637	09-Apr-19	800	0.02564	10-Apr-19	805	0.00625	11-Apr-19	805	0	12-Apr-19	785	-0.02484
15-Apr-19	830	0.05732	16-Apr-19	845	0.01807	17-Apr-19	0	0	18-Apr-19	840	-0.00592	19-Apr-19	0	0
22-Apr-19	805	-0.04167	23-Apr-19	850	0.05590	24-Apr-19	895	0.05294	25-Apr-19	945	0.05587	26-Apr-19	930	-0.01587
29-Apr-19	960	0.03226	30-Apr-19	940	-0.02083	01-May-19	0	0.00000	02-May-19	930	-0.01064	03-May-19	920	-0.01075
06-May-19	900	-0.02174	07-May-19	905	0.00556	08-May-19	900	-0.00552	09-May-19	895	-0.00556	10-May-19	885	-0.01117
13-May-19	885	0	14-May-19	950	0.07345	15-May-19	920	-0.03158	16-May-19	890	-0.03261	17-May-19	920	0.03371
20-May-19	925	0.00543	21-May-19	945	0.02162	22-May-19	950	0.00529	23-May-19	1030	0.08421	24-May-19	1055	0.02427
27-May-19	1085	0.02844	28-May-19	1135	0.04608	29-May-19	1125	-0.00881	30-May-19	0	0	31-May-19	1140	0.01333
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	1200	0.05263	11-Jun-19	1225	0.02083	12-Jun-19	1235	0.00816	13-Jun-19	1235	0	14-Jun-19	1300	0.052632
17-Jun-19	975	-0.25000	18-Jun-19	1130	0.15897	19-Jun-19	0	0	20-Jun-19	1015	-0.10177	21-Jun-19	995	-0.01970
24-Jun-19	1000	0.00503	25-Jun-19	985	-0.01500	26-Jun-19	1050	0.06599	27-Jun-19	1065	0.01429	28-Jun-19	1040	-0.02347
01-Jul-19	1090	0.04808	02-Jul-19	1105	0.01376	03-Jul-19	1210	0.09502	04-Jul-19	1255	0.03719	05-Jul-19	1255	0
08-Jul-19	1205	-0.03984	09-Jul-19	1265	0.04979	10-Jul-19	1260	-0.00395	11-Jul-19	1335	0.05952	12-Jul-19	1405	0.05243
15-Jul-19	1450	0.03203	16-Jul-19	1445	-0.00345	17-Jul-19	1420	-0.01730	18-Jul-19	1365	-0.03873	19-Jul-19	1435	0.05128
22-Jul-19	1450	0.01045	23-Jul-19	1395	-0.03793	24-Jul-19	1395	0	25-Jul-19	1420	0.01792	26-Jul-19	1415	-0.00352
29-Jul-19	1400	-0.01060	30-Jul-19	1400	0	31-Jul-19	1375	-0.01786	01-Aug-19	1390	0.01091	02-Aug-19	1335	-0.03957
05-Aug-19	1265	-0.05243	06-Aug-19	1250	-0.01186	07-Aug-19	1265	0.01200	08-Aug-19	1275	0.00791	09-Aug-19	1310	0.027451
12-Aug-19	1295	-0.01145	13-Aug-19	1295	0	14-Aug-19	1300	0.00386	15-Aug-19	1315	0.01154	16-Aug-19	1305	-0.00760
19-Aug-19	1275	-0.02299	20-Aug-19	1260	-0.01176	21-Aug-19	1295	0.02778	22-Aug-19	1260	-0.02703	23-Aug-19	1255	-0.00397
26-Aug-19	1280	0.01992	27-Aug-19	1240	-0.03125	28-Aug-19	1240	0	29-Aug-19	1245	0.00403	30-Aug-19	1240	-0.00402
02-Sep-19	1250	0.00806	03-Sep-19	1235	-0.01200	04-Sep-19	1320	0.06883	05-Sep-19	1290	-0.02273	06-Sep-19	1295	0.00388
09-Sep-19	1290	-0.00386	10-Sep-19	1305	0.01163	11-Sep-19	1295	-0.00766	12-Sep-19	1300	0.00386	13-Sep-19	1305	0.00385
16-Sep-19	1285	-0.01533	17-Sep-19	1275	-0.00778	18-Sep-19	1285	0.00784	19-Sep-19	1270	-0.01167	20-Sep-19	1250	-0.01575
23-Sep-19	1255	0.00400	24-Sep-19	1235	-0.01594	25-Sep-19	1245	0.00810	26-Sep-19	1245	0	27-Sep-19	1235	-0.00803
30-Sep-19	1235	0	01-Oct-19	1240	0.00405	02-Oct-19	1235	-0.00403	03-Oct-19	1235	0	04-Oct-19	1235	0
07-Oct-19	1235	0	08-Oct-19	1240	0.00405	09-Oct-19	1295	0.04435	10-Oct-19	1270	-0.01931	11-Oct-19	1310	0.03150
14-Oct-19	1310	0	15-Oct-19	1310	0	16-Oct-19	1320	0.00763	17-Oct-19	1300	-0.01515	18-Oct-19	1270	-0.02308
21-Oct-19	1325	0.04331	22-Oct-19	1335	0.00755	23-Oct-19	1320	-0.01124	24-Oct-19	1345	0.01894	25-Oct-19	1340	-0.00372
28-Oct-19	1290	-0.03731	29-Oct-19	1275	-0.01163	30-Oct-19	1285	0.00784	31-Oct-19	1315	0.02335	01-Nov-19	1305	-0.00760
04-Nov-19	1325	0.01533	05-Nov-19	1345	0.01509	06-Nov-19	1460	0.08550	07-Nov-19	1530	0.04795	08-Nov-19	1495	-0.02288
11-Nov-19	1440	-0.03679	12-Nov-19	1430	-0.00694	13-Nov-19	1440	0.00699	14-Nov-19	1405	-0.02431	15-Nov-19	1410	0.00356
18-Nov-19	1410	0	19-Nov-19	1420	0.00709	20-Nov-19	1415	-0.00352	21-Nov-19	1405	-0.00707	22-Nov-19	1390	-0.01068
25-Nov-19	1355	-0.02518	26-Nov-19	1385	0.02214	27-Nov-19	1345	-0.02888	28-Nov-19	1280	-0.04833	29-Nov-19	1250	-0.02344
02-Dec-19	1280	0.02400	03-Dec-19	1330	0.03906	04-Dec-19	1370	0.03008	05-Dec-19	1390	0.01460	06-Dec-19	1395	0.00360
09-Dec-19	1505	0.07885	10-Dec-19	1465	-0.02658	11-Dec-19	1525	0.04096	12-Dec-19	1485	-0.02623	13-Dec-19	1590	0.07071
16-Dec-19	1600	0.00629	17-Dec-19	1675	0.04688	18-Dec-19	1665	-0.00597	19-Dec-19	1655	-0.00601	20-Dec-19	1575	-0.04834
23-Dec-19	1560	-0.00952	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1585	0.01603	27-Dec-19	1610	0.01577
30-Dec-19	1630	0.01242	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1625	-0.00307	03-Jan-20	1615	-0.00615
06-Jan-20	1600	-0.00929	07-Jan-20	1600	0	08-Jan-20	1595	-0.00313	09-Jan-20	1625	0.01881	10-Jan-20	1595	-0.01846
13-Jan-20	1600	0.00313	14-Jan-20	1595	-0.00313	15-Jan-20	1570	-0.01567	16-Jan-20	1690	0.07643	17-Jan-20	1695	0.00296
20-Jan-20	1745	0.02950	21-Jan-20	1750	0.00287	22-Jan-20	1720	-0.01714	23-Jan-20	1700	-0.01163	24-Jan-20	1690	-0.00588
27-Jan-20	1645	-0.02663	28-Jan-20	1605	-0.02432	29-Jan-20	1630	0.01558	30-Jan-20	1585	-0.02761	31-Jan-20	1590	0.00315
Rata2 Return Senin	-0.00431		Rata2 Return Selasa		0.00639	Rata2 Return Rabu		0.01104	Rata2 Return Kamis	-0.00050		Rata2 Return Jumat		0.00239

1. Ditaring mengutip sebagian atau seluruh atau tulisan ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



13. PP (Persero) Tbk. (PTPP)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	2340		01-Feb-19	2280	-0.02564
04-Feb-19	2260.00	-0.00877	05-Feb-19	0	0	06-Feb-19	2300	0.01770	07-Feb-19	2290	-0.00435	08-Feb-19	2300	0.00437
11-Feb-19	2240	-0.02609	12-Feb-19	2150	-0.04018	13-Feb-19	2080	-0.03256	14-Feb-19	2070	-0.00481	15-Feb-19	2000	-0.03382
18-Feb-19	2060	0.03000	19-Feb-19	2110	0.02427	20-Feb-19	2160	0.02370	21-Feb-19	2080	-0.03704	22-Feb-19	2020	-0.02885
25-Feb-19	2040	0.00990	26-Feb-19	2030	-0.00490	27-Feb-19	2050	0.00985	28-Feb-19	2000	-0.02439	01-Mar-19	2020	0.01000
04-Mar-19	2040	0.00990	05-Mar-19	2000	-0.01961	06-Mar-19	2010	0.00500	07-Mar-19	0	0	08-Mar-19	1975	-0.01741
11-Mar-19	1955	-0.01013	12-Mar-19	1960	0.00256	13-Mar-19	2060	0.05102	14-Mar-19	2080	0.00971	15-Mar-19	2070	-0.00481
18-Mar-19	2070	0	19-Mar-19	2100	0.01449	20-Mar-19	2110	0.00476	21-Mar-19	2110	0	22-Mar-19	2070	-0.01896
25-Mar-19	1990	-0.03865	26-Mar-19	2010	0.01005	27-Mar-19	2040	0.01493	28-Mar-19	2120	0.03922	29-Mar-19	2100	-0.00943
01-Apr-19	2160	0.02857	02-Apr-19	2140	-0.00926	03-Apr-19	0	0	04-Apr-19	2230	0.04206	05-Apr-19	2190	-0.01794
08-Apr-19	2140	-0.02283	09-Apr-19	2230	0.04206	10-Apr-19	2280	0.02242	11-Apr-19	2270	-0.00439	12-Apr-19	2230	-0.01762
15-Apr-19	2310	0.03587	16-Apr-19	2390	0.03463	17-Apr-19	0	0	18-Apr-19	2490	0.04184	19-Apr-19	0	0
22-Apr-19	2430	-0.02410	23-Apr-19	2460	0.01235	24-Apr-19	2450	-0.00407	25-Apr-19	2340	-0.04490	26-Apr-19	2410	0.02991
29-Apr-19	2470	0.02490	30-Apr-19	2400	-0.02834	01-May-19	0	0	02-May-19	2310	-0.03750	03-May-19	2260	-0.02165
06-May-19	2150	-0.04867	07-May-19	2180	0.01395	08-May-19	2150	-0.01376	09-May-19	2080	-0.03256	10-May-19	2070	-0.00481
13-May-19	1930	-0.06763	14-May-19	1890	-0.02073	15-May-19	1745	-0.07672	16-May-19	1725	-0.01146	17-May-19	1790	0.03768
20-May-19	1840	0.02793	21-May-19	1870	0.01630	22-May-19	1855	-0.00802	23-May-19	1880	0.01348	24-May-19	1890	0.00532
27-May-19	1890	0	28-May-19	1880	-0.00529	29-May-19	1880	0	30-May-19	0	0	31-May-19	1970	0.04787
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	2020	0.02538	11-Jun-19	2070	0.02475	12-Jun-19	2020	-0.02415	13-Jun-19	2130	0.05446	14-Jun-19	2090	-0.01878
17-Jun-19	2060	-0.01435	18-Jun-19	2150	0.04369	19-Jun-19	0	0	20-Jun-19	2290	0.06512	21-Jun-19	2260	-0.01310
24-Jun-19	2280	0.00885	25-Jun-19	2240	-0.01754	26-Jun-19	2180	-0.02679	27-Jun-19	2230	0.02294	28-Jun-19	2210	-0.00897
01-Jul-19	2210	0	02-Jul-19	2180	-0.01357	03-Jul-19	2150	-0.01376	04-Jul-19	2100	-0.02326	05-Jul-19	2090	-0.00476
08-Jul-19	2080	-0.00478	09-Jul-19	2090	0.00481	10-Jul-19	2150	0.02871	11-Jul-19	2150	0.00000	12-Jul-19	2160	0.00465
15-Jul-19	2250	0.04167	16-Jul-19	2220	-0.01333	17-Jul-19	2240	0.00901	18-Jul-19	2200	-0.01786	19-Jul-19	2160	-0.01818
22-Jul-19	2130	-0.01389	23-Jul-19	2110	-0.00939	24-Jul-19	2110	0	25-Jul-19	2120	0.00474	26-Jul-19	2080	-0.01887
29-Jul-19	2100	0.00962	30-Jul-19	2160	0.02857	31-Jul-19	2150	-0.00463	01-Aug-19	1985	-0.07674	02-Aug-19	1925	-0.03023
05-Aug-19	1870	-0.02857	06-Aug-19	1870	0	07-Aug-19	1860	-0.00535	08-Aug-19	1890	0.01613	09-Aug-19	1885	-0.00265
12-Aug-19	1835	-0.02653	13-Aug-19	1825	-0.00545	14-Aug-19	1920	0.05205	15-Aug-19	1920	0	16-Aug-19	1910	-0.00521
19-Aug-19	1985	0.03927	20-Aug-19	1975	-0.00504	21-Aug-19	1950	-0.01266	22-Aug-19	1915	-0.01795	23-Aug-19	1890	-0.01305
26-Aug-19	1860	-0.01587	27-Aug-19	1860	0	28-Aug-19	1830	-0.01613	29-Aug-19	1850	0.01093	30-Aug-19	1850	0
02-Sep-19	1760	-0.04865	03-Sep-19	1760	0	04-Sep-19	1790	0.01705	05-Sep-19	1780	-0.00559	06-Sep-19	1790	0.00562
09-Sep-19	1795	0.00279	10-Sep-19	1825	0.01671	11-Sep-19	1885	0.03288	12-Sep-19	1885	0	13-Sep-19	1890	0.00265
16-Sep-19	1820	-0.03704	17-Sep-19	1810	-0.00549	18-Sep-19	1820	0.00552	19-Sep-19	1790	-0.01648	20-Sep-19	1785	-0.00279
23-Sep-19	1725	-0.03361	24-Sep-19	1685	-0.02319	25-Sep-19	1665	-0.01187	26-Sep-19	1735	0.04204	27-Sep-19	1745	0.00576
30-Sep-19	1705	-0.02292	01-Oct-19	1695	-0.00587	02-Oct-19	1640	-0.03245	03-Oct-19	1720	0.04878	04-Oct-19	1670	-0.02907
07-Oct-19	1610	-0.03593	08-Oct-19	1610	0	09-Oct-19	1595	-0.00932	10-Oct-19	1560	-0.02194	11-Oct-19	1600	0.02564
14-Oct-19	1630	0.01875	15-Oct-19	1695	0.03988	16-Oct-19	1685	-0.00590	17-Oct-19	1700	0.00890	18-Oct-19	1750	0.02941
21-Oct-19	1725	-0.01429	22-Oct-19	1735	0.00580	23-Oct-19	1775	0.02305	24-Oct-19	1815	0.02254	25-Oct-19	1815	0
28-Oct-19	1800	-0.00826	29-Oct-19	1835	0.01944	30-Oct-19	1835	0	31-Oct-19	1775	-0.03270	01-Nov-19	1665	-0.06197
04-Nov-19	1670	0.00300	05-Nov-19	1675	0.00299	06-Nov-19	1635	-0.02388	07-Nov-19	1590	-0.02752	08-Nov-19	1580	-0.00629
11-Nov-19	1545	-0.02215	12-Nov-19	1530	-0.00971	13-Nov-19	1560	0.01961	14-Nov-19	1570	0.00641	15-Nov-19	1580	0.00637
18-Nov-19	1600	0.01266	19-Nov-19	1590	-0.00625	20-Nov-19	1565	-0.01572	21-Nov-19	1545	-0.01278	22-Nov-19	1510	-0.02265
25-Nov-19	1505	-0.00331	26-Nov-19	1505	0	27-Nov-19	1440	-0.04319	28-Nov-19	1385	-0.03819	29-Nov-19	1350	-0.02527
02-Dec-19	1405	0.04074	03-Dec-19	1405	0	04-Dec-19	1415	0.00712	05-Dec-19	1460	0.03180	06-Dec-19	1575	0.07877
09-Dec-19	1675	0.06349	10-Dec-19	1615	-0.03582	11-Dec-19	1620	0.00310	12-Dec-19	1635	0.00926	13-Dec-19	1650	0.00917
16-Dec-19	1635	-0.00909	17-Dec-19	1620	-0.00917	18-Dec-19	1650	0.01852	19-Dec-19	1650	0	20-Dec-19	1635	-0.00909
23-Dec-19	1630	-0.00306	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1600	-0.01840	27-Dec-19	1595	-0.00313
30-Dec-19	1585	-0.00627	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1610	0.01577	03-Jan-20	1710	0.06211
06-Jan-20	1695	-0.00877	07-Jan-20	1690	-0.00295	08-Jan-20	1625	-0.03846	09-Jan-20	1675	0.03077	10-Jan-20	1700	0.01493
13-Jan-20	1700	0.00000	14-Jan-20	1695	-0.00294	15-Jan-20	1625	-0.04130	16-Jan-20	1620	-0.00308	17-Jan-20	1610	-0.00617
20-Jan-20	1545	-0.04037	21-Jan-20	1520	-0.01618	22-Jan-20	1515	-0.00329	23-Jan-20	1500	-0.00990	24-Jan-20	1495	-0.00333
27-Jan-20	1420	-0.05017	28-Jan-20	1465	0.03169	29-Jan-20	1435	-0.02048	30-Jan-20	1395	-0.02787	31-Jan-20	1380	-0.01075
Rata2 Return Senin	-0.00503		Rata2 Return Selasa		0.00152	Rata2 Return Rabu		-0.00228	Rata2 Return Kamis	-0.00028		Rata2 Return Jumat		-0.00255

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



14. Sri Rejeki Isman Tbk. (SRIL)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	340		01-Feb-19	340	0
04-Feb-19	342	0.00588	05-Feb-19	0	0	06-Feb-19	342	0	07-Feb-19	342	0	08-Feb-19	338	-0.01170
11-Feb-19	336	-0.00592	12-Feb-19	342	0.01786	13-Feb-19	338	-0.01170	14-Feb-19	332	-0.01775	15-Feb-19	338	0.01807
18-Feb-19	338	0	19-Feb-19	336	-0.00592	20-Feb-19	334	-0.00595	21-Feb-19	334	0	22-Feb-19	334	0
25-Feb-19	336	0.00599	26-Feb-19	350	0.04167	27-Feb-19	346	-0.01143	28-Feb-19	352	0.01734	01-Mar-19	346	-0.01705
04-Mar-19	344	-0.00578	05-Mar-19	344	0	06-Mar-19	340	-0.01163	07-Mar-19	-	0	08-Mar-19	340	0
11-Mar-19	340	0	12-Mar-19	338	-0.00588	13-Mar-19	338	0	14-Mar-19	338	0	15-Mar-19	340	0.00592
18-Mar-19	340	0	19-Mar-19	340	0	20-Mar-19	338	-0.00588	21-Mar-19	340	0.00592	22-Mar-19	340	0
25-Mar-19	336	-0.01176	26-Mar-19	338	0.00595	27-Mar-19	340	0.00592	28-Mar-19	338	-0.00588	29-Mar-19	340	0.00592
01-Apr-19	338	-0.00588	02-Apr-19	338	0	03-Apr-19	0	0	04-Apr-19	338	0	05-Apr-19	340	0.00592
08-Apr-19	338	-0.00588	09-Apr-19	338	0	10-Apr-19	336	-0.00592	11-Apr-19	336	0	12-Apr-19	338	0.00595
15-Apr-19	336	-0.00592	16-Apr-19	334	-0.00595	17-Apr-19	0	0	18-Apr-19	336	0.00599	19-Apr-19	0	0
22-Apr-19	334	-0.00595	23-Apr-19	336	0.00599	24-Apr-19	336	0	25-Apr-19	334	-0.00595	26-Apr-19	336	0.00599
29-Apr-19	334	-0.00595	30-Apr-19	336	0.00599	01-May-19	0	0	02-May-19	342	0.01786	03-May-19	338	-0.01170
06-May-19	338	0	07-May-19	338	0	08-May-19	338	0	09-May-19	334	-0.01183	10-May-19	332	-0.00599
13-May-19	322	-0.03012	14-May-19	322	0	15-May-19	324	0.00621	16-May-19	322	-0.00617	17-May-19	328	0.01863
20-May-19	342	0.04268	21-May-19	346	0.01170	22-May-19	340	-0.01734	23-May-19	342	0.00588	24-May-19	340	-0.00585
27-May-19	338	-0.00588	28-May-19	332	-0.01775	29-May-19	338	0.01807	30-May-19	0	0	31-May-19	340	0.00592
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	340	0	11-Jun-19	342	0.00588	12-Jun-19	338	-0.01170	13-Jun-19	340	0.00592	14-Jun-19	340	0
17-Jun-19	340	0	18-Jun-19	338	-0.00588	19-Jun-19	0	0	20-Jun-19	340	0.00592	21-Jun-19	336	-0.01176
24-Jun-19	338	0.00595	25-Jun-19	338	0	26-Jun-19	338	0	27-Jun-19	338	0	28-Jun-19	338	0
01-Jul-19	340	0.00592	02-Jul-19	342	0.00588	03-Jul-19	336	-0.01754	04-Jul-19	340	0.01190	05-Jul-19	340	0
08-Jul-19	338	-0.00588	09-Jul-19	340	0.00592	10-Jul-19	338	-0.00588	11-Jul-19	338	0	12-Jul-19	340	0.00592
15-Jul-19	340	0	16-Jul-19	340	0	17-Jul-19	344	0.01176	18-Jul-19	350	0.01744	19-Jul-19	352	0.00571
22-Jul-19	354	0.00568	23-Jul-19	356	0.00565	24-Jul-19	362	0.01685	25-Jul-19	362	0	26-Jul-19	352	-0.02762
29-Jul-19	342	-0.02841	30-Jul-19	346	0.01170	31-Jul-19	350	0.01156	01-Aug-19	344	-0.0171	02-Aug-19	342	-0.00581
05-Aug-19	344	0.00585	06-Aug-19	340	-0.01163	07-Aug-19	342	0.00588	08-Aug-19	340	-0.0058	09-Aug-19	340	0
12-Aug-19	340	0	13-Aug-19	340	0	14-Aug-19	340	0	15-Aug-19	340	0	16-Aug-19	342	0.00588
19-Aug-19	340	-0.00585	20-Aug-19	338	-0.0059	21-Aug-19	338	0	22-Aug-19	338	0	23-Aug-19	336	-0.00592
26-Aug-19	338	0.00595	27-Aug-19	336	-0.0059	28-Aug-19	336	0	29-Aug-19	336	0	30-Aug-19	336	0
02-Sep-19	334	-0.00595	03-Sep-19	336	0.00599	04-Sep-19	332	-0.01190	05-Sep-19	332	0	06-Sep-19	332	0
09-Sep-19	334	0.00602	10-Sep-19	334	0	11-Sep-19	336	0.00599	12-Sep-19	332	-0.01190	13-Sep-19	332	0
16-Sep-19	330	-0.00602	17-Sep-19	330	0	18-Sep-19	328	-0.00606	19-Sep-19	330	0.00610	20-Sep-19	328	-0.00606
23-Sep-19	328	0	24-Sep-19	326	-0.00610	25-Sep-19	322	-0.01227	26-Sep-19	324	0.00621	27-Sep-19	322	-0.00617
30-Sep-19	318	-0.01242	01-Oct-19	314	-0.01258	02-Oct-19	306	-0.02548	03-Oct-19	302	-0.01307	04-Oct-19	290	-0.03974
07-Oct-19	278	-0.04138	08-Oct-19	282	0.01439	09-Oct-19	282	0	10-Oct-19	282	0	11-Oct-19	284	0.00709
14-Oct-19	286	0.00704	15-Oct-19	288	0.00699	16-Oct-19	294	0.02083	17-Oct-19	294	0	18-Oct-19	294	0
21-Oct-19	298	0.01361	22-Oct-19	296	-0.00671	23-Oct-19	294	-0.00676	24-Oct-19	298	0.01361	25-Oct-19	296	-0.00671
28-Oct-19	294	-0.00676	29-Oct-19	292	-0.00680	30-Oct-19	288	-0.01370	31-Oct-19	284	-0.01389	01-Nov-19	278	-0.02113
04-Nov-19	280	0.00719	05-Nov-19	284	0.01429	06-Nov-19	282	-0.00704	07-Nov-19	274	-0.02837	08-Nov-19	274	0
11-Nov-19	276	0.00730	12-Nov-19	276	0	13-Nov-19	276	0	14-Nov-19	272	-0.01449	15-Nov-19	276	0.01471
18-Nov-19	270	-0.02174	19-Nov-19	262	-0.02963	20-Nov-19	256	-0.02290	21-Nov-19	250	-0.02344	22-Nov-19	246	-0.01600
25-Nov-19	246	0	26-Nov-19	244	-0.00813	27-Nov-19	254	0.04098	28-Nov-19	254	0	29-Nov-19	246	-0.03150
02-Dec-19	250	0.01626	03-Dec-19	246	-0.01600	04-Dec-19	250	0.01626	05-Dec-19	250	0	06-Dec-19	258	0.03200
09-Dec-19	264	0.02326	10-Dec-19	258	-0.02273	11-Dec-19	256	-0.00775	12-Dec-19	260	0.01563	13-Dec-19	262	0.00769
16-Dec-19	264	0.00763	17-Dec-19	260	-0.01515	18-Dec-19	256	-0.01538	19-Dec-19	260	0.01563	20-Dec-19	260	0
23-Dec-19	258	-0.00769	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	260	0.00775	27-Dec-19	258	-0.00769
30-Dec-19	260	0.00775	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	258	-0.00769	03-Jan-20	258	0
06-Jan-20	260	0.00775	07-Jan-20	262	0.00769	08-Jan-20	260	-0.00763	09-Jan-20	258	-0.00769	10-Jan-20	258	0
13-Jan-20	270	0.04651	14-Jan-20	268	-0.00741	15-Jan-20	264	-0.01493	16-Jan-20	262	-0.00758	17-Jan-20	264	0.00763
20-Jan-20	262	-0.00758	21-Jan-20	258	-0.01527	22-Jan-20	252	-0.02326	23-Jan-20	250	-0.00794	24-Jan-20	250	0
27-Jan-20	240	-0.04000	28-Jan-20	240	0	29-Jan-20	238	-0.00833	30-Jan-20	236	-0.00840	31-Jan-20	220	-0.06780
Rata2 Return Senin	-0.00086		Rata2 Return Selasa	-0.00073		Rata2 Return Rabu	-0.00246		Rata2 Return Kamis	-0.00108		Rata2 Return Jumat	-0.00278	

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



15. Pabrik Kertas Tjiwi Kimia Tbk. (TKIM)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	13475		01-Feb-19	13425	-0.00371
04-Feb-19	13050	-0.02793	05-Feb-19	0	0	06-Feb-19	13450	0.03065	07-Feb-19	13475	0.00186	08-Feb-19	12850	-0.04638
11-Feb-19	12675	-0.01362	12-Feb-19	12325	-0.02761	13-Feb-19	12300	-0.00203	14-Feb-19	11800	-0.04065	15-Feb-19	11200	-0.05085
18-Feb-19	11425	0.02009	19-Feb-19	11550	0.01094	20-Feb-19	11700	0.01299	21-Feb-19	11775	0.00641	22-Feb-19	11500	-0.02335
25-Feb-19	11600	0.00870	26-Feb-19	11350	-0.02155	27-Feb-19	11175	-0.01542	28-Feb-19	11175	0	01-Mar-19	11150	-0.00224
04-Mar-19	11225	0.00673	05-Mar-19	10925	-0.02673	06-Mar-19	11000	0.00686	07-Mar-19	0	0	08-Mar-19	11025	0.00227
11-Mar-19	11000	-0.00227	12-Mar-19	10225	-0.07045	13-Mar-19	9825	-0.03912	14-Mar-19	10350	0.05344	15-Mar-19	10950	0.05797
18-Mar-19	11375	0.03881	19-Mar-19	11675	0.02637	20-Mar-19	11675	0	21-Mar-19	11850	0.01499	22-Mar-19	11775	-0.00633
25-Mar-19	11225	-0.04671	26-Mar-19	11150	-0.00668	27-Mar-19	11400	0.02242	28-Mar-19	11575	0.01535	29-Mar-19	10875	-0.06048
01-Apr-19	10875	0	02-Apr-19	10700	-0.01609	03-Apr-19	0	0	04-Apr-19	10400	-0.02804	05-Apr-19	10275	-0.01202
08-Apr-19	10250	-0.00243	09-Apr-19	10450	0.01951	10-Apr-19	10450	0	11-Apr-19	10400	-0.00478	12-Apr-19	10425	0.00240
15-Apr-19	10500	0.00719	16-Apr-19	10475	-0.00238	17-Apr-19	0	0	18-Apr-19	10075	-0.03819	19-Apr-19	0	0
22-Apr-19	9775	-0.02978	23-Apr-19	10000	0.02302	24-Apr-19	9825	-0.0175	25-Apr-19	9475	-0.03562	26-Apr-19	9425	-0.00528
29-Apr-19	9425	0	30-Apr-19	10075	0.06897	01-May-19	0	0	02-May-19	9500	-0.05707	03-May-19	9275	-0.02368
06-May-19	9350	0.00809	07-May-19	9325	-0.00267	08-May-19	9200	-0.01340	09-May-19	7775	-0.15489	10-May-19	7775	0
13-May-19	7000	-0.09968	14-May-19	6600	-0.05714	15-May-19	5875	-0.10985	16-May-19	5700	-0.02979	17-May-19	5675	-0.00439
20-May-19	6000	0.05727	21-May-19	6825	0.13750	22-May-19	6775	-0.00733	23-May-19	7150	0.05535	24-May-19	7000	-0.02098
27-May-19	7575	0.08214	28-May-19	8200	0.08251	29-May-19	9000	0.09756	30-May-19	0	0	31-May-19	10200	0.13333
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	11350	0.11275	11-Jun-19	11450	0.00881	12-Jun-19	10225	-0.10699	13-Jun-19	10625	0.03912	14-Jun-19	10200	-0.04000
17-Jun-19	10025	-0.01716	18-Jun-19	10175	0.01496	19-Jun-19	0	0	20-Jun-19	12725	0.25061	21-Jun-19	13000	0.02161
24-Jun-19	12425	-0.04423	25-Jun-19	12825	0.03219	26-Jun-19	12725	-0.00780	27-Jun-19	12800	0.00589	28-Jun-19	12575	-0.01758
01-Jul-19	12700	0.00994	02-Jul-19	12675	-0.00197	03-Jul-19	12500	-0.01381	04-Jul-19	12375	-0.01000	05-Jul-19	11875	-0.04040
08-Jul-19	12025	0.01263	09-Jul-19	12950	0.07692	10-Jul-19	12975	0.00193	11-Jul-19	12875	-0.00771	12-Jul-19	12500	-0.02913
15-Jul-19	12625	0.01000	16-Jul-19	12150	-0.03762	17-Jul-19	11950	-0.01646	18-Jul-19	12600	0.05439	19-Jul-19	12600	0
22-Jul-19	12475	-0.00992	23-Jul-19	12775	0.02405	24-Jul-19	12525	-0.01957	25-Jul-19	12500	-0.00200	26-Jul-19	11900	-0.04800
29-Jul-19	11450	-0.03782	30-Jul-19	11650	0.01747	31-Jul-19	12000	0.03004	01-Aug-19	11550	-0.03750	02-Aug-19	10975	-0.04978
05-Aug-19	9900	-0.09795	06-Aug-19	9375	-0.05303	07-Aug-19	9350	-0.00267	08-Aug-19	10125	0.08289	09-Aug-19	9800	-0.03210
12-Aug-19	9750	-0.00510	13-Aug-19	9300	-0.04615	14-Aug-19	9325	0.00269	15-Aug-19	10900	0.16890	16-Aug-19	10500	-0.03670
19-Aug-19	10450	-0.00476	20-Aug-19	10100	-0.03349	21-Aug-19	9975	-0.01238	22-Aug-19	9850	-0.01253	23-Aug-19	9975	0.01269
26-Aug-19	9375	-0.06015	27-Aug-19	9475	0.01067	28-Aug-19	9475	0	29-Aug-19	9825	0.03694	30-Aug-19	9950	0.01272
02-Sep-19	9750	-0.02010	03-Sep-19	9450	-0.03077	04-Sep-19	9300	-0.01587	05-Sep-19	9900	0.06452	06-Sep-19	10400	0.05051
09-Sep-19	10500	0.00962	10-Sep-19	10225	-0.02619	11-Sep-19	10500	0.02689	12-Sep-19	10200	-0.02857	13-Sep-19	10325	0.01225
16-Sep-19	10375	0.00484	17-Sep-19	10900	0.05060	18-Sep-19	10675	-0.02064	19-Sep-19	10250	-0.03981	20-Sep-19	10425	0.01707
23-Sep-19	10425	0	24-Sep-19	10325	-0.00959	25-Sep-19	10425	0.00969	26-Sep-19	10425	0	27-Sep-19	10425	0
30-Sep-19	10550	0.01199	01-Oct-19	10700	0.01422	02-Oct-19	10175	-0.04907	03-Oct-19	9750	-0.04177	04-Oct-19	9900	0.01538
07-Oct-19	9725	-0.01768	08-Oct-19	9950	0.02314	09-Oct-19	9900	-0.00503	10-Oct-19	9750	-0.01515	11-Oct-19	9700	-0.00513
14-Oct-19	9925	0.02320	15-Oct-19	10650	0.07305	16-Oct-19	10575	-0.00704	17-Oct-19	10725	0.01418	18-Oct-19	10550	-0.01632
21-Oct-19	10500	-0.00474	22-Oct-19	10675	0.01667	23-Oct-19	11000	0.03044	24-Oct-19	11000	0	25-Oct-19	10600	-0.03636
28-Oct-19	10600	0	29-Oct-19	10925	0.03066	30-Oct-19	10675	-0.02288	31-Oct-19	10575	-0.00937	01-Nov-19	10600	0.00236
04-Nov-19	10900	0.02830	05-Nov-19	11200	0.02752	06-Nov-19	11500	0.02679	07-Nov-19	11725	0.01957	08-Nov-19	11800	0.00640
11-Nov-19	12000	0.01695	12-Nov-19	12325	0.02708	13-Nov-19	12325	0	14-Nov-19	11750	-0.04665	15-Nov-19	12075	0.02766
18-Nov-19	11900	-0.01449	19-Nov-19	12200	0.02521	20-Nov-19	12150	-0.00410	21-Nov-19	11625	-0.04321	22-Nov-19	11150	-0.04086
25-Nov-19	11200	0.00448	26-Nov-19	10325	-0.07813	27-Nov-19	9850	-0.04600	28-Nov-19	9450	-0.04061	29-Nov-19	9200	-0.02646
02-Dec-19	10000	0.08696	03-Dec-19	10650	0.06500	04-Dec-19	11050	0.03756	05-Dec-19	11250	0.01810	06-Dec-19	11650	0.03556
09-Dec-19	11300	-0.03004	10-Dec-19	11375	0.00664	11-Dec-19	11500	0.01099	12-Dec-19	11250	-0.02174	13-Dec-19	11300	0.00444
16-Dec-19	11150	-0.01327	17-Dec-19	11225	0.00673	18-Dec-19	11375	0.01336	19-Dec-19	10800	-0.05055	20-Dec-19	10850	0.00463
23-Dec-19	10700	-0.01382	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	10425	-0.02570	27-Dec-19	10475	0.00480
30-Dec-19	10275	-0.01909	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	10075	-0.01946	03-Jan-20	11025	0.09429
06-Jan-20	11150	0.01134	07-Jan-20	11425	0.02466	08-Jan-20	11300	-0.01094	09-Jan-20	11175	-0.01106	10-Jan-20	11300	0.01119
13-Jan-20	11375	0.00664	14-Jan-20	11350	-0.00220	15-Jan-20	11300	-0.00441	16-Jan-20	11250	-0.00442	17-Jan-20	11250	0
20-Jan-20	11025	-0.02000	21-Jan-20	11000	-0.00227	22-Jan-20	10700	-0.02727	23-Jan-20	10675	-0.00234	24-Jan-20	10675	0
27-Jan-20	10200	-0.04450	28-Jan-20	10050	-0.01471	29-Jan-20	9900	-0.01493	30-Jan-20	9550	-0.03535	31-Jan-20	9100	-0.04712
Rata2 Return Senin		-0.00228	Rata2 Return Selasa		0.00726	Rata2 Return Rabu		-0.00484	Rata2 Return Kamis		0.00015	Rata2 Return Jumat		-0.00370

1. Ditaring mengutip sebagian atau seluruhnya kar ya tulis ini tanpa mencantumkan dan menyebutkan sumber:

- Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah.
 - Pengutipan tidak merugikan kepentingan yang wajar BIKKG.
2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



16. Wijaya Karya (Persero) Tbk. (WIKA)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	1895		01-Feb-19	1895	0
04-Feb-19	1845	-0.02639	05-Feb-19	0	0	06-Feb-19	1860	0.00813	07-Feb-19	1845	-0.00806	08-Feb-19	1865	0.01084
11-Feb-19	1825	-0.02145	12-Feb-19	1750	-0.04110	13-Feb-19	1730	-0.01143	14-Feb-19	1710	-0.01156	15-Feb-19	1645	-0.03801
18-Feb-19	1645	0	19-Feb-19	1685	0.02432	20-Feb-19	1730	0.02671	21-Feb-19	1765	0.02023	22-Feb-19	1730	-0.01983
25-Feb-19	1765	0.02023	26-Feb-19	1755	-0.00567	27-Feb-19	1825	0.03989	28-Feb-19	1785	-0.02192	01-Mar-19	1830	0.02521
04-Mar-19	1870	0.02186	05-Mar-19	1815	-0.02941	06-Mar-19	1830	0.00826	07-Mar-19	0	0	08-Mar-19	1810	-0.01093
11-Mar-19	1815	0.00276	12-Mar-19	1810	-0.00275	13-Mar-19	1860	0.02762	14-Mar-19	1920	0.03226	15-Mar-19	1935	0.00781
18-Mar-19	1945	0.00517	19-Mar-19	2000	0.02828	20-Mar-19	2000	0	21-Mar-19	2000	0	22-Mar-19	1975	-0.01250
25-Mar-19	1930	-0.02278	26-Mar-19	1965	0.01813	27-Mar-19	2070	0.05344	28-Mar-19	2150	0.03865	29-Mar-19	2150	0
01-Apr-19	2190	0.01860	02-Apr-19	2180	-0.00457	03-Apr-19	0	0	04-Apr-19	2280	0.04587	05-Apr-19	2200	-0.03509
08-Apr-19	2140	-0.02727	09-Apr-19	2220	0.03738	10-Apr-19	2180	-0.01802	11-Apr-19	2180	0	12-Apr-19	2140	-0.01835
15-Apr-19	2240	0.04673	16-Apr-19	2330	0.04018	17-Apr-19	0	0	18-Apr-19	2420	0.03863	19-Apr-19	0	0
22-Apr-19	2380	-0.01653	23-Apr-19	2420	0.01681	24-Apr-19	2400	-0.00826	25-Apr-19	2310	-0.03750	26-Apr-19	2350	0.01732
29-Apr-19	2470	0.05106	30-Apr-19	2420	-0.02024	01-May-19	0	0	02-May-19	2370	-0.02066	03-May-19	2330	-0.01688
06-May-19	2280	-0.02146	07-May-19	2310	0.01316	08-May-19	2280	-0.01299	09-May-19	2200	-0.03509	10-May-19	2200	0
13-May-19	2060	-0.06364	14-May-19	2040	-0.00971	15-May-19	1930	-0.05392	16-May-19	1850	-0.04145	17-May-19	1930	0.04324
20-May-19	1985	0.02850	21-May-19	2080	0.04786	22-May-19	2050	-0.01442	23-May-19	2110	0.02927	24-May-19	2100	-0.00474
27-May-19	2190	0.04286	28-May-19	2200	0.00457	29-May-19	2260	0.02727	30-May-19	0	0	31-May-19	2270	0.00442
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	2400	0.05727	11-Jun-19	2370	-0.01250	12-Jun-19	2340	-0.01266	13-Jun-19	2380	0.01709	14-Jun-19	2360	-0.00840
17-Jun-19	2340	-0.00847	18-Jun-19	2340	0	19-Jun-19	0	0	20-Jun-19	2410	0.02991	21-Jun-19	2340	-0.02905
24-Jun-19	2350	0.00427	25-Jun-19	2350	0	26-Jun-19	2340	-0.00426	27-Jun-19	2420	0.03419	28-Jun-19	2430	0.00413
01-Jul-19	2450	0.00823	02-Jul-19	2480	0.01224	03-Jul-19	2410	-0.02823	04-Jul-19	2390	-0.00830	05-Jul-19	2330	-0.02510
08-Jul-19	2370	0.01717	09-Jul-19	2360	-0.00422	10-Jul-19	2340	-0.00847	11-Jul-19	2340	0	12-Jul-19	2310	-0.01282
15-Jul-19	2450	0.06061	16-Jul-19	2450	0	17-Jul-19	2490	0.01633	18-Jul-19	2460	-0.01205	19-Jul-19	2450	-0.00407
22-Jul-19	2400	-0.02041	23-Jul-19	2380	-0.00833	24-Jul-19	2380	0	25-Jul-19	2380	0	26-Jul-19	2340	-0.01681
29-Jul-19	2380	0.01709	30-Jul-19	2390	0.00420	31-Jul-19	2340	-0.02092	01-Aug-19	2340	0	02-Aug-19	2270	-0.02991
05-Aug-19	2210	-0.02643	06-Aug-19	2200	-0.00452	07-Aug-19	2230	0.01364	08-Aug-19	2270	0.01794	09-Aug-19	2310	0.01762
12-Aug-19	2200	-0.04762	13-Aug-19	2250	0.02273	14-Aug-19	2310	0.02667	15-Aug-19	2330	0.00866	16-Aug-19	2280	-0.02146
19-Aug-19	2310	0.01316	20-Aug-19	2350	0.01732	21-Aug-19	2360	0.00426	22-Aug-19	2350	-0.00424	23-Aug-19	2340	-0.00426
26-Aug-19	2290	-0.02137	27-Aug-19	2230	-0.02620	28-Aug-19	2250	0.00897	29-Aug-19	2190	-0.02667	30-Aug-19	2210	0.00913
02-Sep-19	2000	-0.09502	03-Sep-19	1955	-0.02250	04-Sep-19	2000	0.02302	05-Sep-19	2040	0.02000	06-Sep-19	2080	0.01961
09-Sep-19	2050	-0.01442	10-Sep-19	2040	-0.00488	11-Sep-19	2130	0.04412	12-Sep-19	2070	-0.02817	13-Sep-19	2110	0.01932
16-Sep-19	2020	-0.04265	17-Sep-19	2020	0	18-Sep-19	2020	0	19-Sep-19	2000	-0.00990	20-Sep-19	2040	0.02000
23-Sep-19	1950	-0.04412	24-Sep-19	1945	-0.00256	25-Sep-19	1915	-0.01542	26-Sep-19	1985	0.03655	27-Sep-19	1940	-0.02267
30-Sep-19	1925	-0.00773	01-Oct-19	1910	-0.00779	02-Oct-19	1880	-0.01571	03-Oct-19	1900	0.01064	04-Oct-19	1855	-0.02368
07-Oct-19	1820	-0.01887	08-Oct-19	1845	0.01374	09-Oct-19	1815	-0.01626	10-Oct-19	1810	-0.00275	11-Oct-19	1865	0.03039
14-Oct-19	1905	0.02145	15-Oct-19	1920	0.00787	16-Oct-19	1910	-0.00521	17-Oct-19	1900	-0.00524	18-Oct-19	2000	0.05263
21-Oct-19	1990	-0.005	22-Oct-19	2000	0.00503	23-Oct-19	2100	0.05000	24-Oct-19	2130	0.01429	25-Oct-19	2120	-0.00469
28-Oct-19	2030	-0.04245	29-Oct-19	2120	0.04433	30-Oct-19	2100	-0.00943	31-Oct-19	1980	-0.05714	01-Nov-19	1940	-0.02020
04-Nov-19	1940	0	05-Nov-19	2070	0.06701	06-Nov-19	2010	-0.02899	07-Nov-19	1975	-0.01741	08-Nov-19	1945	-0.01519
11-Nov-19	1890	-0.02828	12-Nov-19	1900	0.00529	13-Nov-19	1925	0.01316	14-Nov-19	1935	0.00519	15-Nov-19	2010	0.03876
18-Nov-19	1995	-0.00746	19-Nov-19	2000	0.00251	20-Nov-19	1985	-0.00750	21-Nov-19	1980	-0.00252	22-Nov-19	1930	-0.02525
25-Nov-19	1915	-0.00777	26-Nov-19	1960	0.02350	27-Nov-19	1870	-0.04592	28-Nov-19	1790	-0.04278	29-Nov-19	1735	-0.03073
02-Dec-19	1800	0.03746	03-Dec-19	1810	0.00556	04-Dec-19	1800	-0.00552	05-Dec-19	1900	0.05556	06-Dec-19	2000	0.05263
09-Dec-19	2060	0.03	10-Dec-19	2000	-0.02913	11-Dec-19	1985	-0.00750	12-Dec-19	2010	0.01259	13-Dec-19	2050	0.01990
16-Dec-19	2030	-0.00976	17-Dec-19	2000	-0.01478	18-Dec-19	2000	0	19-Dec-19	2010	0.00500	20-Dec-19	1980	-0.01493
23-Dec-19	1965	-0.00758	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1990	0.01272	27-Dec-19	2010	0.01005
30-Dec-19	1990	-0.00995	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	2020	0.01508	03-Jan-20	2130	0.05446
06-Jan-20	2110	-0.00939	07-Jan-20	2120	0.00474	08-Jan-20	2080	-0.01887	09-Jan-20	2140	0.02885	10-Jan-20	2160	0.00935
13-Jan-20	2170	0.00463	14-Jan-20	2150	-0.00922	15-Jan-20	2090	-0.02791	16-Jan-20	2050	-0.01914	17-Jan-20	2050	0
20-Jan-20	2020	-0.01463	21-Jan-20	1995	-0.01238	22-Jan-20	1970	-0.01253	23-Jan-20	1955	-0.00761	24-Jan-20	1960	0.00256
27-Jan-20	1875	-0.04337	28-Jan-20	1990	0.06133	29-Jan-20	1985	-0.00251	30-Jan-20	1930	-0.02771	31-Jan-20	1890	-0.02073
Rata2 Return Senin	-0.00429		Rata2 Return Selasa		0.00492	Rata2 Return Rabu		-0.00041	Rata2 Return Kamis		0.00156	Rata2 Return Jumat		-0.00032

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber.

a. Pengutipan hanya untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan,

penulisan kritik dan tinjauan suatu masalah.

b. Pengutipan tidak merugikan kepentingan yang wajar BIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin BIKKG.



17. Waskita Karya (Pesero) Tbk. (WSKT)

Senin	Close Price	Return	Selasa	Close Price	Return	Rabu	Close Price	Return	Kamis	Close Price	Return	Jumat	Close Price	Return
									31-Jan-19	1975		01-Feb-19	1975	0
04-Feb-19	1960	-0.00759	05-Feb-19	0	0	06-Feb-19	2020	0.03061	07-Feb-19	2000	-0.00990	08-Feb-19	2010	0.00500
11-Feb-19	1945	-0.03234	12-Feb-19	1910	-0.01799	13-Feb-19	1870	-0.02094	14-Feb-19	1865	-0.00267	15-Feb-19	1765	-0.05362
18-Feb-19	1750	-0.00850	19-Feb-19	1775	0.01429	20-Feb-19	1855	0.04507	21-Feb-19	1855	0	22-Feb-19	1830	-0.01348
25-Feb-19	1860	0.01639	26-Feb-19	1850	-0.00538	27-Feb-19	1915	0.03514	28-Feb-19	1875	-0.02089	01-Mar-19	1900	0.01333
04-Mar-19	1935	0.01842	05-Mar-19	1895	-0.02067	06-Mar-19	1895	0	07-Mar-19	-	0	08-Mar-19	1870	-0.01319
11-Mar-19	1865	-0.00267	12-Mar-19	1885	0.01072	13-Mar-19	1940	0.02918	14-Mar-19	1955	0.007732	15-Mar-19	1940	-0.00767
18-Mar-19	1920	-0.01031	19-Mar-19	1925	0.00260	20-Mar-19	1925	0	21-Mar-19	1945	0.01039	22-Mar-19	1930	-0.00771
25-Mar-19	1875	-0.02850	26-Mar-19	1905	0.01600	27-Mar-19	1950	0.02362	28-Mar-19	2000	0.025641	29-Mar-19	1985	-0.00750
01-Apr-19	2010	0.01259	02-Apr-19	1995	-0.00746	03-Apr-19	0	0	04-Apr-19	2050	0.027569	05-Apr-19	2010	-0.01951
08-Apr-19	1935	-0.03731	09-Apr-19	1985	0.02584	10-Apr-19	1995	0.00504	11-Apr-19	1995	0	12-Apr-19	2000	0.00251
15-Apr-19	2060	0.03000	16-Apr-19	2110	0.02427	17-Apr-19	0	0	18-Apr-19	2160	0.02370	19-Apr-19	0	0
22-Apr-19	2120	-0.01852	23-Apr-19	2160	0.01887	24-Apr-19	2150	-0.00463	25-Apr-19	2080	-0.03256	26-Apr-19	2110	0.01442
29-Apr-19	2170	0.02844	30-Apr-19	2120	-0.02304	01-May-19	0	0	02-May-19	2040	-0.03774	03-May-19	2010	-0.01471
06-May-19	1950	-0.02985	07-May-19	1950	0	08-May-19	1935	-0.00769	09-May-19	1875	-0.03101	10-May-19	1945	0.03733
13-May-19	1870	-0.03856	14-May-19	1840	-0.01604	15-May-19	1760	-0.04348	16-May-19	1720	-0.02273	17-May-19	1715	-0.00291
20-May-19	1665	-0.02915	21-May-19	1690	0.01502	22-May-19	1695	0.00296	23-May-19	1765	0.04130	24-May-19	1760	-0.00283
27-May-19	1800	0.02273	28-May-19	1795	-0.00278	29-May-19	1760	-0.01950	30-May-19	0	0	31-May-19	1810	0.02841
03-Jun-19	0	0	04-Jun-19	0	0	05-Jun-19	0	0	06-Jun-19	0	0	07-Jun-19	0	0
10-Jun-19	1885	0.04144	11-Jun-19	1910	0.01326	12-Jun-19	1870	-0.02094	13-Jun-19	1925	0.029412	14-Jun-19	1920	-0.00260
17-Jun-19	1890	-0.01563	18-Jun-19	1925	0.01852	19-Jun-19	0	0	20-Jun-19	2020	0.049351	21-Jun-19	2000	-0.00990
24-Jun-19	1980	-0.01000	25-Jun-19	1980	0	26-Jun-19	1945	-0.01768	27-Jun-19	2000	0.028278	28-Jun-19	2010	0.00500
01-Jul-19	2020	0.00498	02-Jul-19	2010	-0.00495	03-Jul-19	1985	-0.01244	04-Jul-19	1980	-0.00252	05-Jul-19	1960	-0.01010
08-Jul-19	1920	-0.02041	09-Jul-19	1955	0.01823	10-Jul-19	2010	0.02813	11-Jul-19	2010	0	12-Jul-19	2040	0.01493
15-Jul-19	2150	0.05392	16-Jul-19	2110	-0.01860	17-Jul-19	2180	0.03318	18-Jul-19	2140	-0.01835	19-Jul-19	2130	-0.00467
22-Jul-19	2090	-0.01878	23-Jul-19	2100	0.00478	24-Jul-19	2090	-0.00476	25-Jul-19	2080	-0.00478	26-Jul-19	2070	-0.00481
29-Jul-19	2060	-0.00483	30-Jul-19	2100	0.01942	31-Jul-19	2050	-0.02381	01-Aug-19	1930	-0.05854	02-Aug-19	1870	-0.03109
05-Aug-19	1795	-0.04011	06-Aug-19	1820	0.01393	07-Aug-19	1805	-0.00824	08-Aug-19	1790	-0.00831	09-Aug-19	1780	-0.00559
12-Aug-19	1775	-0.00281	13-Aug-19	1750	-0.01408	14-Aug-19	1845	0.05429	15-Aug-19	1845	0	16-Aug-19	1815	-0.01626
19-Aug-19	1855	0.02204	20-Aug-19	1845	-0.00539	21-Aug-19	1815	-0.01626	22-Aug-19	1810	-0.00275	23-Aug-19	1790	-0.01105
26-Aug-19	1750	-0.02235	27-Aug-19	1750	0	28-Aug-19	1740	-0.00571	29-Aug-19	1730	-0.00575	30-Aug-19	1745	0.00867
02-Sep-19	1705	-0.02292	03-Sep-19	1690	-0.00880	04-Sep-19	1710	0.01183	05-Sep-19	1700	-0.00585	06-Sep-19	1710	0.00588
09-Sep-19	1725	0.00877	10-Sep-19	1740	0.00870	11-Sep-19	1775	0.02011	12-Sep-19	1765	-0.00563	13-Sep-19	1770	0.00283
16-Sep-19	1740	-0.01695	17-Sep-19	1725	-0.00862	18-Sep-19	1700	-0.01449	19-Sep-19	1665	-0.02059	20-Sep-19	1650	-0.00901
23-Sep-19	1585	-0.03939	24-Sep-19	1585	0	25-Sep-19	1565	-0.01262	26-Sep-19	1660	0.06070	27-Sep-19	1665	0.00301
30-Sep-19	1650	-0.00901	01-Oct-19	1625	-0.01515	02-Oct-19	1540	-0.05231	03-Oct-19	1575	0.02273	04-Oct-19	1545	-0.01905
07-Oct-19	1495	-0.03236	08-Oct-19	1505	0.00669	09-Oct-19	1505	0	10-Oct-19	1485	-0.01329	11-Oct-19	1530	0.03030
14-Oct-19	1545	0.00980	15-Oct-19	1570	0.01618	16-Oct-19	1575	0.00318	17-Oct-19	1575	0	18-Oct-19	1625	0.03175
21-Oct-19	1625	0	22-Oct-19	1630	0.00308	23-Oct-19	1650	0.01227	24-Oct-19	1670	0.01212	25-Oct-19	1655	-0.00898
28-Oct-19	1625	-0.01813	29-Oct-19	1620	-0.00308	30-Oct-19	1620	0	31-Oct-19	1555	-0.04012	01-Nov-19	1495	-0.03859
04-Nov-19	1480	-0.01003	05-Nov-19	1535	0.03716	06-Nov-19	1510	-0.01629	07-Nov-19	1480	-0.01987	08-Nov-19	1485	0.00338
11-Nov-19	1475	-0.00673	12-Nov-19	1460	-0.01017	13-Nov-19	1475	0.01027	14-Nov-19	1460	-0.01017	15-Nov-19	1465	0.00342
18-Nov-19	1465	0	19-Nov-19	1450	-0.01024	20-Nov-19	1425	-0.01724	21-Nov-19	1425	0	22-Nov-19	1375	-0.03509
25-Nov-19	1370	-0.00364	26-Nov-19	1370	0	27-Nov-19	1305	-0.04745	28-Nov-19	1285	-0.01533	29-Nov-19	1225	-0.04669
02-Dec-19	1275	0.04082	03-Dec-19	1260	-0.01176	04-Dec-19	1255	-0.00397	05-Dec-19	1290	0.02789	06-Dec-19	1420	0.10078
09-Dec-19	1470	0.03521	10-Dec-19	1420	-0.03401	11-Dec-19	1415	-0.00352	12-Dec-19	1425	0.00707	13-Dec-19	1445	0.01404
16-Dec-19	1465	0.01384	17-Dec-19	1450	-0.01024	18-Dec-19	1470	0.01379	19-Dec-19	1500	0.02041	20-Dec-19	1490	-0.00667
23-Dec-19	1495	0.00336	24-Dec-19	0	0	25-Dec-19	0	0	26-Dec-19	1475	-0.01338	27-Dec-19	1480	0.00339
30-Dec-19	1485	0.00338	31-Dec-19	0	0	01-Jan-20	0	0	02-Jan-20	1505	0.01347	03-Jan-20	1545	0.02658
06-Jan-20	1510	-0.02265	07-Jan-20	1505	-0.00331	08-Jan-20	1440	-0.04319	09-Jan-20	1470	0.02083	10-Jan-20	1475	0.00340
13-Jan-20	1500	0.01695	14-Jan-20	1500	0	15-Jan-20	1460	-0.02667	16-Jan-20	1445	-0.01027	17-Jan-20	1445	0
20-Jan-20	1375	-0.04844	21-Jan-20	1330	-0.03273	22-Jan-20	1330	0	23-Jan-20	1305	-0.01880	24-Jan-20	1310	0.00383
27-Jan-20	1250	-0.04580	28-Jan-20	1295	0.03600	29-Jan-20	1305	0.00772	30-Jan-20	1255	-0.03831	31-Jan-20	1230	-0.01992
Rata2 Return Senin		-0.00522	Rata2 Return Selasa		0.00075	Rata2 Return Rabu		-0.00149	Rata2 Return Kamis		-0.00080	Rata2 Return Jumat		-0.00115

1. Ditaring mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:

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b. Pengutipan tidak merugikan kepentingan yang wajar IBIKKG.

2. Dilarang mengemukakan dan memperbanyak sebagian atau seluruh karya tulis ini dalam bentuk apapun tanpa izin IBIKKG.



B. Rata-rata *Return Saham* Harian

	SENIN	SELASA	RABU	KAMIS	JUMAT
ADRO	0.00355	0.00548	-0.0039	-0.00264	-0.00313
BBNI	-0.00563	0.00089	-0.0042	0.00297	0.00213
BBTN	-0.00490	0.00248	-0.00359	-0.00093	0.00058
BSDE	-0.00613	0.00491	-0.00136	0.0048	-0.00432
ERAA	-0.01473	0.00965	0.00171	-0.00995	-0.00229
EXCL	-0.00096	0.00500	-0.00064	0.00196	0.00152
INDY	-0.00477	0.0046	-0.00724	-0.00579	0.00033
INKP	-0.00132	0.0019	-0.00485	0.00217	-0.00643
ITMG	0.00144	-0.00151	-0.00398	-0.00679	-0.00345
JSMR	-0.00423	0.00241	0.00071	-0.0018	0.00266
LPPF	-0.00324	-0.00499	-0.0062	-0.00344	0.00398
MNCN	-0.00431	0.00639	0.01104	-0.0005	0.00239
PTPP	-0.00503	0.00152	-0.00228	-0.00028	-0.00255
SRIL	-0.00086	-0.00073	-0.00246	-0.00108	-0.00278
TKIM	-0.00228	0.00726	-0.00484	0.00015	-0.00370
WIKA	-0.00429	0.00492	-0.00041	0.00156	-0.00032
WSKT	-0.00522	0.00075	-0.00149	-0.0008	-0.00115

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LAMPIRAN 4

HASIL PENGOLAHAN DATA MENGGUNAKAN SPSS



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A. Analisis Statistik Deskriptif *Return* Harian

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
SENIN	17	-.01473	.00355	-.0037006	.00388429
SELASA	17	-.00499	.00965	.0029959	.00358411
RABU	17	-.00724	.01104	-.0019988	.00412819
KAMIS	17	-.00995	.00480	-.0011994	.00372563
JUMAT	17	-.00643	.00398	-.0009724	.00291702
Valid N (listwise)	17				

B. Uji *One Sample T-test*

One-Sample Test

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Return	-2.134	84	.036	-.00097506	-.0018838	-.0000664

C. Uji *Independent Sample T-test*

1. Uji *Independent Sample T-test* Senin dan Selasa

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
Return	.079	.780	-5.224	32	.000	-.00669647	.00128185	-.00930752	-.00408542
			-5.224	31.795	.000	-.00669647	.00128185	-.00930818	-.00408476

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2. Uji Independent Sample T-test Senin dan Rabu

Independent Samples Test

Return		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Equal variances assumed	.024	.877	-1.238	32	.225	-.00170176	.00137477	-.00450207	.00109854	
Equal variances not assumed			-1.238	31.882	.225	-.00170176	.00137477	-.00450248	.00109895	

3. Uji Independent Sample T-test Senin dan Kamis

Independent Samples Test

Return		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Equal variances assumed	.016	.899	-1.916	32	.064	-.00250118	.00130537	-.00516014	.00015778	
Equal variances not assumed			-1.916	31.945	.064	-.00250118	.00130537	-.00516032	.00015797	

4. Uji Independent Sample T-test Senin dan Jumat

Independent Samples Test

Return		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Equal variances assumed	.034	.856	-2.316	32	.027	-.00272824	.00117815	-.00512805	-.00032842	
Equal variances not assumed			-2.316	29.692	.028	-.00272824	.00117815	-.00513539	-.00032108	

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Institut Bisnis dan Informatika Kwik Kian Gie



SURAT PERNYATAAN

Yang bertandatangan di bawah ini :

: Wisella Angasta

: Manajemen

: 22180031

Alamat Lengkap : Jl. Ancol Selatan no. 4A RT 002 / RW.02

Kelurahan Sunter Agung, Kecamatan Tanjung Perak

Kode pos : 14350

Telp Kantor : -

Telp Rumah : -

No. HP : 085774109303

Menyatakan dengan sungguh-sungguh bahwa :

1. Keabsahan data dan hal-hal lain yang berkenaan dengan keaslian dalam penyusunan karya akhir ini merupakan tanggung jawab pribadi.
2. Apabila dikemudian hari timbul masalah dengan keabsahan data dan keaslian/originalitas karya akhir adalah di luar tanggung jawab Institut Bisnis Dan Informatika Kwik Kian Gie dan saya bersedia menanggung segala resiko sanksi yang dikeluarkan Institut Bisnis Dan Informatika Kwik Kian Gie dan gugatan yang oleh pihak lain yang merasa dirugikan.

Demikian agar yang berkepentingan maklum

Jakarta, 28 Januari 2022

Yang membuat pernyataan

Wisella Angasta

(Nama Lengkap)

Institut Bisnis dan Informatika Kwik Kian Gie

Pilarang mengutip atau menyalin sebagian atau seluruh karya tulis ini untuk kepentingan pendidikan, penelitian, penulisan karya ilmiah, penyusunan laporan, penulisan kritik dan tinjauan suatu masalah, penerjemahan atau untuk tujuan komersial lainnya tanpa izin IBIKKG.