

LAMPIRAN

LAMPIRAN 1: Tingkat Pengembalian Instrumen Objek Penelitian

Tanggal	IHSG	BTC	LQ45	Antam	ID10YT
30/12/2021	-0.2900%	1.3000%	-0.5100%	0.1073%	-0.1012%
29/12/2021	0.0400%	-2.3700%	-0.0900%	-0.2141%	-0.0579%
28/12/2021	0.3500%	-4.9300%	0.3800%	0.3222%	-0.0506%
27/12/2021	0.1900%	0.3700%	0.2700%	-0.2144%	0.1808%
24/12/2021	0.1100%	0.2800%	-0.1600%	0.1073%	0.1229%
23/12/2021	0.4000%	3.4500%	0.5900%	0.1074%	0.0795%
22/12/2021	-0.3800%	-0.7300%	-0.8600%	-0.3212%	0.1662%
21/12/2021	0.1100%	3.5300%	0.3000%	-0.1070%	0.1228%
20/12/2021	-0.8300%	0.5000%	-0.7700%	0.1071%	-0.2022%
17/12/2021	0.1100%	-2.7000%	0.2400%	0.7551%	0.0722%
16/12/2021	-0.4700%	-2.0000%	-0.7800%	0.3247%	-0.1590%
15/12/2021	0.1600%	0.5200%	0.4400%	-0.5382%	-0.5063%
14/12/2021	-0.7100%	1.8100%	-0.3600%	-0.1075%	-0.1158%
13/12/2021	0.1500%	-5.1200%	-0.5200%	0.0000%	-0.0434%
10/12/2021	0.1400%	-0.3200%	-0.4100%	-0.3226%	0.1520%
9/12/2021	0.6100%	-4.8900%	0.7300%	-0.3215%	0.3834%
8/12/2021	0.0200%	-0.5900%	-0.4800%	0.0000%	0.2602%
7/12/2021	0.8500%	-0.2000%	1.2000%	0.1073%	-0.0144%
6/12/2021	0.1300%	1.3100%	0.0000%	0.0000%	-0.1662%
3/12/2021	-0.6900%	-3.8300%	-1.1100%	-0.3229%	-0.0795%
2/12/2021	1.1700%	-0.9400%	1.9300%	0.4324%	-0.6441%
1/12/2021	-0.4000%	0.3400%	0.0600%	-0.5376%	-0.1884%
30/11/2021	-1.1300%	-1.2400%	-2.0700%	0.0000%	-0.3263%
29/11/2021	0.7100%	1.0500%	1.0200%	0.1076%	0.0363%
26/11/2021	-2.0600%	-7.4300%	-2.4900%	0.1076%	-0.2250%
25/11/2021	0.2400%	3.1000%	0.6600%	0.0000%	-0.0581%
24/11/2021	0.0800%	-0.7500%	0.0500%	-0.6417%	-0.0799%
23/11/2021	-0.6800%	1.7300%	-0.5500%	-1.2672%	0.0871%
22/11/2021	0.0500%	-3.6400%	0.0000%	0.0000%	-0.0944%
19/11/2021	1.2600%	1.9500%	1.8700%	-0.3138%	0.1017%
18/11/2021	-0.5900%	-5.5400%	-0.7800%	0.8439%	-0.0653%
17/11/2021	0.3700%	-0.0200%	0.5600%	-0.4202%	0.1162%
16/11/2021	0.5300%	-5.4200%	0.6300%	-0.3141%	-0.0653%
15/11/2021	-0.5300%	-1.8300%	-0.9700%	0.0000%	0.0944%
12/11/2021	-0.6000%	-1.2400%	-0.6600%	0.5258%	-0.2251%
11/11/2021	0.1200%	-0.7900%	-0.0700%	0.8484%	-0.0944%
10/11/2021	0.2000%	-1.7900%	0.6100%	0.0000%	0.0581%
9/11/2021	0.5700%	-0.3600%	0.2200%	-0.2116%	0.0944%
8/11/2021	0.7700%	6.2200%	0.2700%	-0.1057%	0.2178%
5/11/2021	-0.0700%	-0.4800%	-0.0200%	0.7551%	0.1233%

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.



4/11/2021	0.5200%	-1.6900%	0.3200%	-0.2153%	0.0218%
3/11/2021	0.9100%	-0.0700%	1.2400%	-0.1075%	0.0943%
2/11/2021	-0.9100%	2.7700%	-1.1600%	0.6494%	-0.0870%
1/11/2021	-0.5800%	0.1000%	-0.8500%	-0.1081%	-0.4355%
29/10/2021	1.0300%	2.4100%	1.0400%	0.1075%	-0.0799%
28/10/2021	-1.1800%	2.5200%	-1.4600%	0.1076%	-0.0363%
27/10/2021	-0.8200%	-1.9700%	-0.8500%	-0.5353%	0.0073%
26/10/2021	0.4700%	-3.4800%	0.3900%	0.5382%	0.1090%
25/10/2021	-0.2700%	3.2900%	-0.9800%	0.1078%	0.1017%
22/10/2021	0.1600%	-1.8800%	0.2700%	0.4343%	0.1597%
21/10/2021	-0.3500%	-4.5500%	-0.7200%	0.5459%	0.0290%
19/10/2021	-0.0400%	3.1300%	-0.1300%	0.0000%	0.0073%
18/10/2021	0.3800%	0.9800%	0.4300%	0.1094%	0.4279%
15/10/2021	0.1100%	7.1700%	-0.0500%	-0.2155%	0.1811%
14/10/2021	1.3600%	-0.7300%	1.2600%	1.3100%	0.3475%
13/10/2021	0.7800%	1.5000%	1.4700%	0.4386%	0.2170%
12/10/2021	0.4100%	-2.2600%	0.5400%	-0.2188%	-0.0651%
11/10/2021	-0.3400%	4.9500%	0.1800%	0.0000%	-0.0940%
8/10/2021	1.0200%	0.7300%	1.6900%	-0.4357%	-0.1592%
7/10/2021	-0.0100%	-3.0300%	-0.4100%	0.1091%	-0.1303%
6/10/2021	2.0600%	7.7800%	2.8700%	-0.5423%	0.0869%
5/10/2021	-0.8600%	5.2600%	-0.9700%	-0.2165%	0.0796%
4/10/2021	1.8300%	1.3700%	2.8200%	0.1083%	0.1881%
1/10/2021	-0.9200%	9.3300%	-0.9700%	0.9858%	-0.0434%
30/09/2021	2.0200%	4.5500%	2.8000%	0.0000%	-0.1447%
29/09/2021	0.8100%	1.1700%	1.2200%	-0.5447%	-0.1448%
28/09/2021	-0.1500%	-4.5200%	-0.1700%	0.0000%	-0.5000%
27/09/2021	-0.3600%	0.1300%	-0.5700%	0.0000%	-0.0435%
24/09/2021	0.0300%	-3.6300%	0.0900%	-0.7576%	-0.0363%
23/09/2021	0.5600%	2.2000%	0.3900%	-0.2160%	-0.1959%
22/09/2021	0.7800%	5.5500%	1.2300%	0.4338%	-0.0508%
21/09/2021	-0.2600%	-4.6600%	-0.3600%	0.5453%	-0.1597%
20/09/2021	-0.9300%	-8.7600%	-0.8800%	-0.1089%	-0.1017%
17/09/2021	0.3800%	-0.4700%	-0.0300%	-1.5021%	-0.0218%
16/09/2021	0.0000%	-0.5400%	-0.4000%	-0.4274%	0.0944%
15/09/2021	-0.3100%	2.0100%	-0.4800%	0.4292%	-0.0145%
14/09/2021	0.6700%	3.6900%	0.5500%	0.3229%	-0.0654%
13/09/2021	-0.1100%	-2.1000%	-0.5400%	0.0000%	-0.0509%
10/9/2021	0.4400%	-2.9000%	-0.1900%	0.4301%	0.2615%
9/9/2021	0.7000%	-2.0400%	1.7800%	0.2155%	-0.5449%
7/9/2021	-0.2400%	-3.0500%	-0.3600%	-0.2123%	-0.0218%
2/9/2021	-0.2100%	1.3300%	0.2700%	-0.2125%	-0.4148%
1/9/2021	-0.9700%	-1.0200%	-0.6900%	-0.3178%	0.6183%
30/08/2021	0.0900%	-2.2700%	2.5100%	0.0000%	1.7325%
23/08/2021	1.3100%	1.4600%	1.0300%	-0.2110%	-0.2387%
20/08/2021	0.6400%	5.1100%	0.5100%	-0.1056%	-0.1592%
19/08/2021	-2.0600%	2.3700%	-2.2100%	0.1057%	-0.0217%
18/08/2021	0.5000%	0.1900%	2.0000%	0.4246%	0.2026%

1. Dilarang 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.



16/08/2021	-0.8400%	-0.5900%	0.1700%	0.0000%	0.2097%
13/08/2021	0.0000%	5.7600%	0.6600%	0.0000%	-0.2749%
12/8/2021	0.8400%	-2.4700%	1.6200%	0.7568%	-0.0362%
10/8/2021	-0.6400%	-0.9900%	0.0700%	0.4343%	0.0579%
9/8/2021	-1.2200%	5.7100%	-1.4700%	-1.0741%	-0.4055%
6/8/2021	-0.0300%	4.7100%	-1.0400%	-0.2125%	-0.1377%
5/8/2021	0.7500%	2.4100%	1.1300%	-0.2121%	-0.0942%
4/8/2021	0.4600%	3.3400%	0.5900%	-0.5274%	0.1450%
3/8/2021	0.5600%	-2.8700%	1.0100%	0.0000%	0.2028%
2/8/2021	0.4400%	-2.3900%	0.8600%	0.0000%	0.0217%
30/07/2021	-0.8300%	5.3400%	-1.1700%	0.8466%	-0.0072%
29/07/2021	0.5300%	-0.2000%	0.2500%	0.5319%	0.0217%
28/07/2021	-0.1400%	1.6400%	-0.8500%	0.0000%	0.0579%
27/07/2021	-0.1500%	4.7000%	-0.4800%	-0.2123%	-0.0217%
26/07/2021	0.0800%	6.7300%	-0.4600%	-0.1060%	-0.1159%
23/07/2021	-0.5800%	3.5900%	-1.3200%	0.0000%	0.0652%
22/07/2021	1.7800%	0.2900%	1.8600%	-0.1056%	0.1448%
21/07/2021	0.2100%	7.3300%	0.4200%	-0.3158%	0.1158%
19/07/2021	-0.9100%	-2.2100%	-1.0900%	0.1054%	0.6795%
16/07/2021	0.4300%	-1.2500%	0.7100%	0.3148%	0.0939%
15/07/2021	1.1300%	-2.9500%	1.6200%	0.8466%	0.4040%
14/07/2021	-0.5500%	0.0700%	-0.9500%	-0.1057%	0.0721%
13/07/2021	-1.0900%	-1.2800%	-1.0300%	-0.4211%	0.1658%
12/7/2021	0.6400%	-2.5800%	0.4800%	0.0000%	0.1081%
9/7/2021	0.0000%	2.3300%	0.0500%	0.2116%	-0.1657%
8/7/2021	-0.0700%	-2.2900%	-0.2300%	0.5319%	0.1585%
7/7/2021	-0.0500%	-0.6200%	-0.6000%	0.1065%	0.2592%
6/7/2021	0.6900%	-0.0700%	0.4800%	-0.2125%	0.3956%
5/7/2021	-0.2900%	-2.4700%	-1.0100%	-0.1062%	-0.0575%
2/7/2021	0.2800%	0.6600%	0.5200%	0.3219%	-0.1582%
1/7/2021	0.3400%	-4.3700%	0.2700%	0.5394%	0.1151%
30/06/2021	0.6100%	-1.7200%	0.7000%	-0.5365%	-0.1439%
29/06/2021	0.1600%	3.9900%	0.4200%	-0.1072%	-0.1367%
28/06/2021	-1.3800%	-0.3900%	-2.1500%	-0.1071%	-0.4610%
25/06/2021	0.1700%	-6.8900%	-0.1000%	0.0000%	0.5977%
24/06/2021	-0.3700%	1.8500%	-0.5700%	0.2151%	0.1367%
23/06/2021	-0.8800%	2.4000%	-1.0200%	-0.2146%	0.0719%
22/06/2021	1.5300%	2.0300%	1.1100%	13.6585%	-0.5469%
21/06/2021	-0.1800%	-10.4200%	-0.4900%	-10.8696%	0.0072%
18/06/2021	-1.0100%	-5.6500%	-1.6400%	-0.8621%	-0.6343%
17/06/2021	-0.1700%	-0.3600%	-0.8600%	-1.2766%	-0.1155%
16/06/2021	-0.1700%	-3.3600%	-1.1300%	-0.3181%	-0.3033%
15/06/2021	0.1400%	0.3500%	-0.0800%	-0.2116%	-0.4337%
14/06/2021	-0.2500%	2.1400%	-0.6400%	-0.3165%	0.5493%
11/6/2021	-0.2000%	2.0800%	-0.4200%	0.3145%	-0.6434%
10/6/2021	0.9900%	-1.9300%	0.7200%	-0.3135%	0.6650%
9/6/2021	0.8000%	10.2900%	0.4600%	-0.3125%	0.0650%
8/6/2021	-1.1600%	-1.1800%	-1.2900%	0.1043%	-0.0505%

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.



7/6/2021	0.0800%	-5.7900%	-0.3300%	-0.1042%	0.0072%
4/6/2021	-0.4300%	-4.8600%	-1.0500%	-1.5560%	0.1011%
3/6/2021	0.9900%	3.8800%	1.6400%	0.3122%	-0.0361%
2/6/2021	1.4100%	1.7700%	1.7500%	-0.4145%	-0.1661%
28/05/2021	0.1200%	-6.7300%	0.3400%	0.0000%	0.1372%
27/05/2021	0.4500%	-2.1000%	-0.1400%	0.7330%	-0.0289%
25/05/2021	0.9100%	-1.2900%	0.7400%	-0.4171%	0.0794%
24/05/2021	-0.1600%	9.7500%	0.0300%	0.1044%	0.4833%
21/05/2021	-0.4200%	-7.1400%	-0.4900%	1.0560%	-0.2091%
20/05/2021	0.6400%	7.0200%	0.9100%	-0.1055%	0.0433%
19/05/2021	-1.2700%	-10.8700%	-1.5700%	0.1056%	-0.1659%
18/05/2021	0.0100%	-1.5100%	-0.1300%	1.0672%	-0.2310%
17/05/2021	-1.7600%	-7.6500%	-1.5200%	0.4287%	-0.2600%
11/5/2021	-0.6300%	-1.0500%	-0.6300%	-0.4269%	-0.0072%
10/5/2021	0.8000%	-1.1800%	0.8800%	0.0000%	0.2817%
7/5/2021	-0.7000%	0.9500%	-0.9300%	0.8639%	0.0866%
6/5/2021	-0.0900%	-1.5000%	-0.1700%	0.4338%	0.1588%
5/5/2021	0.2000%	5.1500%	0.1700%	-0.8602%	-0.1804%
4/5/2021	0.1900%	-4.6400%	0.5200%	0.9772%	0.2093%
3/5/2021	-0.7200%	1.4800%	-1.0500%	0.0000%	-0.0361%
30/04/2021	-0.2900%	5.9500%	-0.4600%	-0.9667%	0.2164%
29/04/2021	0.6400%	-2.2200%	0.7800%	0.5400%	-0.0505%
28/04/2021	0.2500%	-0.7400%	-0.0500%	-0.4301%	-0.3319%
27/04/2021	-0.0900%	1.8300%	-0.0900%	-0.3215%	-0.1300%
26/04/2021	-0.8600%	5.7700%	-1.1700%	0.0000%	0.3537%
23/04/2021	0.3800%	-4.0100%	0.9800%	-0.5319%	-0.2742%
22/04/2021	0.0200%	-1.7200%	0.1300%	0.8584%	-0.0433%
21/04/2021	-0.7500%	-4.7700%	-1.0800%	-0.1072%	-0.0794%
20/04/2021	-0.2300%	-0.1100%	-0.0700%	-0.6390%	0.3321%
19/04/2021	-0.5500%	-1.5600%	-0.5000%	0.2134%	0.2236%
16/04/2021	0.1100%	-2.2000%	-0.0800%	1.0811%	0.4540%
15/04/2021	0.4800%	-0.0800%	0.3900%	-0.5376%	0.0288%
14/04/2021	2.0700%	-0.3400%	2.6300%	0.6494%	-0.3602%
13/04/2021	-0.3600%	4.5600%	-0.1300%	-0.2160%	-0.0793%
12/4/2021	-2.0000%	1.1200%	-2.6100%	-0.1079%	-0.4256%
9/4/2021	-0.0200%	0.8300%	-0.0100%	0.9761%	0.0794%
8/4/2021	0.5800%	1.9600%	0.2700%	-0.2165%	0.5481%
7/4/2021	0.5600%	-1.8100%	0.4600%	0.4348%	0.9282%
6/4/2021	0.5400%	-1.7200%	0.4900%	-0.1086%	-0.3738%
5/4/2021	-0.6800%	2.5800%	-0.6900%	-0.1085%	1.0342%
1/4/2021	0.4300%	-0.0100%	-0.1000%	1.1074%	0.3798%
31/03/2021	-1.4200%	0.6000%	-1.5400%	-0.8782%	-0.1433%
30/03/2021	-1.5500%	1.3900%	-1.7800%	-1.0858%	-0.2724%
29/03/2021	-0.4600%	2.7900%	-0.5600%	-0.1085%	-0.0502%
26/03/2021	1.1900%	5.1400%	1.5300%	-0.3247%	-0.1435%
25/03/2021	-0.5400%	-2.8300%	-0.1400%	0.3257%	0.0502%
24/03/2021	-1.5400%	-2.8000%	-1.5500%	-0.8611%	0.2654%
23/03/2021	-0.7700%	-0.6700%	-0.4000%	-0.2148%	0.2651%

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.



22/03/2021	-0.8700%	-3.6800%	-1.4100%	-0.3212%	0.0788%
19/03/2021	0.1300%	0.6200%	0.0900%	-1.0695%	-0.4945%
18/03/2021	1.1200%	-1.1000%	1.8300%	0.8630%	0.0359%
17/03/2021	-0.5100%	2.9300%	-0.3700%	0.0000%	-0.0717%
16/03/2021	-0.2300%	1.1700%	0.0000%	0.3247%	0.0789%
15/03/2021	-0.5300%	-4.6400%	-0.8100%	-0.2160%	-0.2009%
12/3/2021	1.4900%	0.3700%	1.2400%	-0.1075%	-0.0502%
10/3/2021	1.0500%	3.0400%	1.2200%	1.6393%	0.6739%
9/3/2021	-0.7800%	5.2300%	-1.3200%	-0.9740%	-0.4300%
8/3/2021	-0.1600%	2.0600%	-0.1200%	0.1083%	-0.9480%
5/3/2021	-0.5100%	1.0500%	-0.7500%	-0.5417%	-0.1367%
4/3/2021	-1.3500%	-3.6000%	-2.0400%	-0.5388%	-0.2663%
3/3/2021	0.2800%	3.9600%	0.0600%	0.5417%	0.1224%
2/3/2021	0.3300%	-1.2600%	-0.0100%	0.0000%	0.0288%
1/3/2021	1.5500%	7.8100%	2.4300%	0.6543%	0.0576%
26/02/2021	-0.7600%	-0.2200%	-0.8200%	-1.2848%	-0.3960%
25/02/2021	0.6200%	-6.1400%	0.1900%	-0.4264%	0.0864%
24/02/2021	-0.3500%	0.7500%	-0.8900%	0.0000%	0.6692%
23/02/2021	0.2800%	-9.3100%	0.8400%	0.8602%	0.0934%
22/02/2021	0.3800%	-5.5500%	-0.0600%	0.0000%	-0.4459%
19/02/2021	0.5100%	10.3000%	1.1900%	-0.2162%	-0.4825%
18/02/2021	-0.4400%	0.0300%	-0.6300%	0.3254%	-1.1551%
17/02/2021	-1.0300%	4.7200%	-1.3800%	-1.3904%	-0.6370%
16/02/2021	0.3500%	1.7500%	0.0600%	-0.5319%	-0.2754%
15/02/2021	0.7700%	-2.4100%	0.6000%	0.0000%	-0.0363%
11/2/2021	0.3300%	5.9400%	0.0600%	0.0000%	-0.0363%
10/2/2021	0.3300%	-2.2500%	0.2800%	0.2121%	-0.1088%
9/2/2021	-0.4400%	3.0000%	-0.7500%	0.3191%	-0.1814%
8/2/2021	0.9300%	16.2100%	0.4200%	0.0000%	-0.2251%
5/2/2021	0.7300%	3.3700%	0.4500%	-1.3786%	0.2541%
4/2/2021	0.4800%	-0.6900%	0.9000%	-0.4224%	-0.1597%
3/2/2021	0.5600%	5.0400%	0.2300%	-0.7338%	0.0073%
2/2/2021	-0.3900%	5.1500%	-0.9100%	-0.1047%	0.2903%
1/2/2021	3.5000%	0.9100%	3.8700%	0.1048%	0.2756%
29/01/2021	-1.9600%	2.3300%	-3.0300%	0.2101%	-0.0072%
28/01/2021	-2.1200%	6.6300%	-2.3500%	-0.4184%	0.3550%
27/01/2021	-0.5000%	-6.0300%	-0.3900%	-0.2088%	-0.1231%
26/01/2021	-1.8900%	1.0900%	-2.1300%	0.0000%	0.0217%
25/01/2021	-0.7700%	0.8900%	-0.3700%	0.1045%	-0.0217%
22/01/2021	-1.6600%	5.0800%	-1.9400%	-0.2077%	0.0217%
21/01/2021	-0.2500%	-11.4700%	-0.3600%	0.9434%	-0.1159%
20/01/2021	1.7100%	-1.0000%	2.6100%	0.2101%	0.1232%
19/01/2021	-1.0600%	-1.4700%	-0.9200%	0.8475%	-0.5728%
18/01/2021	0.2600%	2.0600%	0.9600%	-0.4219%	-0.0290%
15/01/2021	-0.8500%	-4.6400%	-1.3600%	0.1047%	0.0073%
14/01/2021	-0.1100%	3.8400%	-0.0500%	-1.0363%	0.0580%
13/01/2021	0.6200%	8.7900%	0.6500%	0.8359%	0.3191%
12/1/2021	0.2000%	-4.2800%	-0.4600%	0.5252%	-0.3191%

1. Dilarang 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.



11/1/2021	2.0000%	-6.6700%	2.2200%	-0.2096%	-0.6536%
8/1/2021	1.6900%	4.0800%	2.3000%	-0.2060%	-0.7059%
7/1/2021	1.4500%	7.9600%	1.2300%	-1.0194%	0.2330%
6/1/2021	-1.1700%	7.6200%	-1.6300%	0.6154%	-0.4735%
5/1/2021	0.5300%	5.5200%	0.2900%	0.0000%	-0.3574%
4/1/2021	2.1000%	-2.3100%	2.5400%	0.6192%	-0.0511%
30/12/2020	-0.9500%	4.7800%	-1.1300%	-0.2068%	-0.2409%
29/12/2020	-0.9400%	0.4700%	-1.0800%	-1.0235%	0.9336%
28/12/2020	1.4100%	3.3200%	2.0400%	0.4111%	0.4368%
23/12/2020	-0.2400%	-0.7400%	-0.2300%	-0.4124%	0.1018%
22/12/2020	-2.3100%	4.1500%	-3.3000%	-0.6148%	-0.5313%
21/12/2020	1.0000%	-1.3300%	0.9000%	0.6186%	-0.4519%
18/12/2020	-0.1500%	2.0500%	-0.6500%	0.7254%	0.2260%
17/12/2020	-0.0800%	7.2000%	-0.1400%	0.3119%	0.6844%
16/12/2020	1.8000%	7.5300%	2.4700%	1.1567%	0.1745%
15/12/2020	-0.0400%	0.9000%	0.5900%	-0.1050%	0.2544%
14/12/2020	1.2500%	0.7400%	1.2100%	-0.2096%	0.1598%
11/12/2020	0.0800%	-0.8000%	-0.2600%	-0.2092%	0.0944%
10/12/2020	-0.1800%	-1.8000%	-0.1000%	-1.0352%	0.1452%
8/12/2020	0.2300%	-3.2900%	-0.3200%	0.7299%	0.1668%
7/12/2020	2.0700%	-0.6600%	2.1900%	-0.1042%	-0.2902%
4/12/2020	-0.2100%	-2.4300%	-0.5300%	0.4180%	0.0798%
3/12/2020	0.1500%	0.5400%	-0.1300%	0.5252%	-0.2250%
2/12/2020	1.5600%	1.9300%	1.9400%	1.4925%	0.0508%
1/12/2020	2.0000%	-3.6200%	2.4700%	-0.4246%	0.0218%
30/11/2020	-2.9600%	7.0100%	-4.0300%	0.0000%	0.2177%
27/11/2020	0.4100%	-0.7300%	-0.0700%	-0.2099%	-0.0145%
26/11/2020	1.4200%	-8.3700%	1.9200%	0.0000%	0.0726%
25/11/2020	-0.3800%	-1.3900%	-0.4900%	-0.8325%	0.0580%
24/11/2020	0.8500%	3.8300%	0.6900%	-1.6377%	0.0363%
23/11/2020	1.4600%	-0.6100%	1.8900%	0.0000%	-0.2830%
20/11/2020	-0.4000%	4.1500%	-0.2500%	0.0000%	-0.1597%
19/11/2020	0.6600%	0.0500%	0.1700%	-0.2051%	0.0218%
18/11/2020	0.5000%	1.7700%	0.4400%	-0.5102%	0.1887%
17/11/2020	0.6400%	5.0300%	0.9600%	-0.5076%	0.5439%
16/11/2020	0.6200%	3.3000%	0.7200%	0.0000%	0.3042%
13/11/2020	0.0400%	0.9100%	0.0600%	1.0331%	0.0145%
12/11/2020	-0.9200%	4.1200%	-1.5200%	-0.2062%	-0.0796%
11/11/2020	0.8600%	2.5300%	1.8600%	-0.2058%	-0.3912%
10/11/2020	1.9900%	-0.8800%	2.7900%	-3.3797%	0.0145%
9/11/2020	0.3800%	-1.8300%	0.6700%	0.1992%	0.8832%
6/11/2020	1.4300%	-1.0000%	2.3000%	0.9000%	1.6155%
5/11/2020	3.0400%	9.5700%	4.4800%	-0.3984%	0.1439%
4/11/2020	-1.0500%	0.6200%	-1.7200%	0.0000%	-0.2014%
3/11/2020	0.8700%	2.7600%	0.7800%	1.0060%	0.0791%
2/11/2020	-0.2600%	-0.6800%	-0.2400%	-0.2008%	-0.0216%
27/10/2020	-0.3100%	4.1800%	-0.4700%	0.0000%	0.0144%
26/10/2020	0.6200%	0.3700%	0.5600%	-0.0992%	0.1295%

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.



23/10/2020	0.4000%	-0.1600%	0.1600%	-0.3956%	-0.1511%
22/10/2020	-0.0900%	1.1900%	0.1700%	-0.0988%	0.0863%
21/10/2020	-0.0700%	7.1600%	0.1000%	0.3968%	0.2804%
20/10/2020	-0.5200%	1.3400%	-0.5100%	0.0000%	0.2227%
19/10/2020	0.4500%	2.0700%	0.8900%	0.0000%	0.4952%
16/10/2020	-0.0300%	-0.5900%	0.0700%	0.1982%	0.4157%
15/10/2020	-1.3700%	0.7400%	-1.6800%	0.1986%	0.3078%
14/10/2020	0.8500%	0.3300%	1.6200%	-0.7882%	0.1645%
13/10/2020	0.7800%	-0.5400%	0.8000%	-0.1967%	0.1144%
12/10/2020	0.7800%	1.5200%	0.7200%	-0.1963%	0.0071%
9/10/2020	0.2900%	1.2500%	0.1700%	0.2988%	-0.0071%
8/10/2020	0.7000%	1.5700%	0.8300%	0.5005%	-0.0214%
7/10/2020	0.1000%	0.0800%	-0.0100%	-1.7699%	-0.0072%
6/10/2020	0.8200%	-1.1900%	1.2000%	0.1970%	0.1716%
5/10/2020	0.6500%	0.4900%	0.5600%	0.0986%	0.0214%
2/10/2020	-0.8700%	-0.2400%	-1.3400%	0.1974%	0.1000%
1/10/2020	2.0500%	-1.5600%	3.2400%	-0.2953%	-0.0429%
30/09/2020	-0.1900%	-0.8700%	-0.7000%	0.1972%	0.3214%
29/09/2020	-0.5600%	0.8300%	-1.0200%	0.7952%	-0.4285%
28/09/2020	-0.7900%	-0.0200%	-1.3600%	0.0000%	0.0000%
25/09/2020	2.1300%	0.2100%	2.7500%	0.6986%	-0.0214%
24/09/2020	-1.5300%	4.4100%	-1.8800%	-0.4965%	-0.0500%
23/09/2020	-0.3300%	-2.1100%	-0.2900%	-0.1982%	-0.1072%
22/09/2020	-1.3100%	1.3200%	-1.5100%	-1.4648%	-0.0930%
21/09/2020	-1.1800%	-4.4700%	-1.5800%	0.0978%	0.2717%
18/09/2020	0.4100%	-0.3400%	0.6200%	0.0000%	0.0500%
17/09/2020	-0.4000%	-0.8200%	-0.7500%	0.0000%	-0.0500%
16/09/2020	-0.8300%	1.5600%	-1.1900%	-0.6750%	-0.0143%
15/09/2020	-1.1800%	1.7300%	-1.7900%	0.5820%	0.2429%
14/09/2020	2.8900%	3.0000%	3.4400%	0.0000%	0.1928%
11/9/2020	2.5600%	0.8900%	2.9400%	0.0974%	-0.5215%
10/9/2020	-5.0100%	1.7600%	-6.0000%	0.9833%	-0.0286%
9/9/2020	-1.8100%	0.7600%	-2.6300%	0.1970%	-0.1001%
8/9/2020	0.2700%	-2.4000%	0.2500%	-0.4902%	0.1930%
7/9/2020	-0.1800%	0.0600%	-0.2000%	0.0000%	0.2715%
4/9/2020	-0.7800%	0.6100%	-1.0900%	-0.2930%	0.0071%
3/9/2020	-0.5900%	-8.0500%	-1.0000%	0.0000%	-0.2929%
2/9/2020	0.0200%	-2.9100%	0.2300%	-0.1949%	-0.3147%
1/9/2020	1.3800%	2.1000%	2.0700%	-0.3883%	0.0000%
31/08/2020	-2.0200%	-0.3500%	-2.7800%	0.2921%	-0.0501%
28/08/2020	-0.4600%	0.9700%	-0.5800%	-0.6869%	-0.3365%
27/08/2020	0.5800%	-1.0700%	0.3700%	0.7913%	-0.3942%
26/08/2020	0.0300%	-0.0500%	-0.1700%	-0.9794%	-0.2726%
25/08/2020	1.1700%	-2.9000%	1.7800%	-0.1955%	0.1364%
24/08/2020	0.0800%	0.3900%	0.1600%	-0.3895%	-0.0718%
19/08/2020	-0.4200%	-1.8500%	-0.5000%	0.7619%	0.2296%
18/08/2020	0.9000%	-0.9400%	1.4300%	1.9417%	0.0574%
14/08/2020	0.1600%	0.4900%	0.1700%	1.1673%	-0.0072%

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.



13/08/2020	0.1100%	1.0500%	0.0700%	0.1949%	-0.0287%
12/8/2020	0.8300%	1.1200%	1.5900%	-2.8409%	0.2151%
11/8/2020	0.6300%	-1.7500%	0.6700%	0.1898%	0.0430%
10/8/2020	0.2700%	1.3400%	0.0900%	-0.0948%	-0.0717%
7/8/2020	-0.6600%	-0.4700%	-0.6700%	1.0436%	0.0860%
6/8/2020	1.0000%	1.0100%	1.2300%	0.5725%	0.2364%
5/8/2020	1.0300%	2.9300%	1.4900%	1.8465%	0.0501%
4/8/2020	1.3700%	-0.2000%	2.0100%	0.0973%	-0.0072%
3/8/2020	-2.7800%	2.2400%	-3.5700%	0.0000%	-0.0931%
30/07/2020	0.7500%	0.0900%	0.9600%	0.2962%	0.0072%
29/07/2020	-0.0400%	1.7600%	-0.5400%	-0.8806%	0.1503%
28/07/2020	-0.0700%	6.0200%	-0.0900%	0.8885%	0.1646%
27/07/2020	0.6600%	4.3100%	1.1700%	0.8089%	-0.0286%
24/07/2020	-1.2100%	-0.4200%	-1.9100%	0.7165%	0.3075%
23/07/2020	0.6800%	0.7900%	0.8600%	-0.5092%	0.5927%
22/07/2020	-0.0900%	0.8200%	-0.1000%	1.9730%	0.4207%
21/07/2020	1.2600%	2.2500%	1.8600%	0.7322%	0.1639%
20/07/2020	-0.5600%	0.2700%	-0.8800%	0.0000%	-0.0926%
17/07/2020	-0.3700%	0.5100%	-0.6300%	-0.5269%	-0.1283%
16/07/2020	0.4400%	-0.0300%	0.4900%	0.7431%	0.1639%
15/07/2020	-0.0700%	0.0500%	-0.1700%	0.4264%	0.1140%
14/07/2020	0.2900%	0.3800%	0.4400%	0.0000%	0.0498%
13/07/2020	0.6600%	-0.1200%	0.9300%	0.1067%	0.1637%
10/7/2020	-0.4300%	0.6000%	-0.6300%	-0.3191%	0.0213%
9/7/2020	-0.4600%	-0.8800%	-0.8900%	0.6424%	0.0925%
8/7/2020	1.7900%	0.8800%	2.6700%	0.0000%	0.4763%
7/7/2020	-0.0400%	-0.9600%	0.0800%	0.3222%	0.3692%
6/7/2020	0.3000%	1.0500%	0.5600%	0.1075%	-0.0568%
3/7/2020	0.1400%	-0.1000%	0.1500%	1.4208%	-0.0426%
2/7/2020	1.0700%	-0.2900%	1.3700%	-0.4353%	-0.0284%
1/7/2020	0.1800%	0.6300%	0.4200%	0.1089%	-0.0994%
30/06/2020	0.0700%	-0.5000%	-0.4500%	0.7684%	0.1278%
29/06/2020	-0.0500%	0.2300%	-0.0900%	-0.1096%	-0.2769%
26/06/2020	0.1500%	-0.2000%	0.0300%	0.3308%	0.0355%
25/06/2020	-1.3700%	-0.1400%	-1.5400%	-0.9825%	-0.1492%
24/06/2020	1.7500%	-1.6200%	2.3300%	0.8811%	0.1208%
23/06/2020	-0.8100%	-1.0600%	-0.9100%	0.1103%	0.1633%
22/06/2020	-0.4700%	3.6000%	-0.8100%	0.2210%	-0.2344%
19/06/2020	0.3500%	-0.5100%	0.7200%	-0.5556%	0.0213%
18/06/2020	-1.2500%	-0.7800%	-1.7400%	0.5587%	-0.1777%
17/06/2020	0.0300%	-0.4000%	-0.0700%	-0.3341%	0.1564%
16/06/2020	3.5300%	-0.6200%	4.8900%	-0.4435%	0.3835%
15/06/2020	-1.3100%	-0.1300%	-1.6300%	0.2222%	0.0355%
12/6/2020	0.5300%	0.1400%	0.9100%	-0.7839%	-0.3124%
11/6/2020	-1.3400%	-2.4000%	-1.8000%	1.3621%	0.6670%
10/6/2020	-2.2700%	1.5200%	-3.0300%	0.6857%	-0.1134%
9/6/2020	-0.7000%	0.1100%	-1.5900%	-0.1142%	-0.5038%
8/6/2020	2.4800%	-0.1000%	3.1900%	0.0000%	-0.6967%

1. Dilarang 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.



5/6/2020	0.6300%	-1.7700%	0.7900%	0.1127%	-0.2492%
4/6/2020	-0.4900%	1.0900%	-0.7900%	-1.8805%	-0.4918%
3/6/2020	1.9300%	0.1500%	2.8200%	-1.7391%	1.5726%
2/6/2020	1.9800%	-5.5700%	3.2600%	0.6565%	0.8083%
29/05/2020	0.7900%	-2.3300%	2.3200%	0.5507%	0.1416%
28/05/2020	1.6100%	3.0400%	2.9100%	-0.1100%	-0.2124%
26/05/2020	1.7800%	-0.7700%	2.5600%	0.1092%	2.4414%
20/05/2020	-0.0600%	-1.2400%	0.1600%	0.2165%	0.3302%
19/05/2020	0.8300%	0.0000%	1.6100%	-1.0707%	0.1544%
18/05/2020	0.0800%	0.4800%	0.5100%	1.6322%	0.4489%
15/05/2020	-0.1400%	-4.3800%	-0.6700%	0.7692%	0.3642%
14/05/2020	-0.8900%	4.2400%	-1.9200%	0.2203%	0.2589%
13/05/2020	-0.7500%	4.0300%	-1.0600%	0.5537%	0.7127%
12/5/2020	-1.0900%	2.2200%	-1.9600%	-0.8782%	0.5369%
11/5/2020	0.9100%	-1.1400%	1.3200%	0.0000%	0.1045%
8/5/2020	-0.2500%	-1.1300%	-0.1800%	0.5476%	-0.0488%
6/5/2020	-0.4600%	1.8400%	-0.5100%	0.0000%	-0.0836%
5/5/2020	0.5400%	2.0600%	0.2400%	-0.1094%	-0.3905%
4/5/2020	-2.3500%	1.2900%	-3.4100%	-0.2183%	-0.8733%
30/04/2020	3.2600%	-3.8600%	4.8800%	0.0000%	1.2916%
29/04/2020	0.8300%	11.8400%	1.3900%	-0.7487%	0.1254%
28/04/2020	0.3600%	-0.0500%	0.2100%	-0.4260%	-0.7182%
27/04/2020	0.3800%	1.9600%	0.9100%	-0.4242%	-0.4750%
24/04/2020	-2.1200%	0.3200%	-3.0700%	1.0707%	-0.5738%
23/04/2020	0.5700%	3.2600%	0.3400%	0.6466%	-0.0210%
22/04/2020	1.4600%	2.2200%	2.2100%	0.4329%	-0.4345%
21/04/2020	-1.6200%	-0.5900%	-2.2300%	0.7634%	0.5256%
20/04/2020	-1.2700%	-0.6800%	-1.8100%	-1.0787%	0.5247%
17/04/2020	3.4400%	-1.2900%	4.9500%	0.3195%	0.2935%
16/04/2020	-3.1400%	5.8500%	-4.5700%	-0.4242%	-0.2795%
15/04/2020	-1.7100%	-3.8900%	-2.5000%	-0.5274%	-0.0140%
14/04/2020	1.7900%	-1.9100%	2.7100%	-0.4202%	0.7192%
13/04/2020	-0.5400%	-0.6900%	-0.9400%	0.1052%	0.5923%
9/4/2020	0.4800%	-1.2700%	0.3300%	-0.8457%	-0.0975%
8/4/2020	-3.1800%	1.3700%	-4.3900%	-1.7653%	0.2645%
7/4/2020	-0.6900%	-0.2400%	-0.9500%	3.4372%	0.2643%
6/4/2020	4.0700%	4.9900%	4.8800%	-0.3212%	-0.5636%
3/4/2020	2.0200%	0.1100%	2.0800%	2.8322%	-0.4042%
2/4/2020	1.4700%	1.0400%	1.4500%	0.7684%	-0.6981%
1/4/2020	-1.6100%	4.0600%	-1.8600%	-1.4069%	-0.2167%
31/03/2020	2.8200%	0.2800%	3.0300%	-0.2160%	-0.3079%
30/03/2020	-2.8800%	7.8000%	-4.0100%	0.2165%	0.3079%
27/03/2020	4.7600%	-5.2000%	7.2700%	0.0000%	2.5632%
26/03/2020	10.1900%	0.7200%	14.9200%	0.5441%	1.0596%
24/03/2020	-1.3000%	2.5100%	-2.8400%	6.7364%	-0.6506%
23/03/2020	-4.9000%	11.6200%	-6.6200%	2.4138%	-1.6323%
20/03/2020	2.1800%	1.4500%	2.0700%	1.2285%	-1.2910%
19/03/2020	-5.2000%	20.1800%	-6.6400%	-1.4528%	-2.3230%

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.



18/03/2020	-2.8300%	0.4400%	-4.1000%	3.1211%	-0.2537%
17/03/2020	-4.9900%	8.3500%	-6.6000%	-2.1978%	-1.6041%
16/03/2020	-4.4200%	-5.5000%	-5.8300%	1.2361%	-0.1701%
13/03/2020	0.2400%	10.4600%	0.9900%	-2.2864%	-0.3404%
12/3/2020	-5.0100%	-34.0500%	-6.1200%	-0.9535%	-1.9143%
11/3/2020	-1.2800%	1.0000%	-1.5300%	-0.3563%	-0.0357%
10/3/2020	1.6400%	-0.9700%	2.3000%	-1.0576%	-0.5072%
9/3/2020	-6.5800%	-0.5400%	-8.2600%	1.0689%	-1.7849%
6/3/2020	-2.4800%	1.0400%	-3.5500%	1.8248%	-0.7339%
5/3/2020	-0.2100%	2.5900%	-0.3100%	-0.6046%	0.5686%
4/3/2020	2.3800%	-0.3700%	3.4300%	1.4724%	1.5783%
3/3/2020	2.9400%	-1.7700%	3.7900%	0.6173%	0.8006%
2/3/2020	-1.6800%	4.0900%	-2.3000%	0.4963%	-0.5431%
28/02/2020	-1.5000%	0.3300%	-1.4800%	0.3690%	-1.2252%
27/02/2020	-2.6900%	-0.0600%	-3.2400%	0.6188%	-0.9632%
26/02/2020	-1.7000%	-4.9200%	-2.0200%	-0.1236%	-0.2593%
25/02/2020	-0.3400%	-2.5900%	0.0200%	0.0000%	-0.1513%
24/02/2020	-1.2800%	-1.3400%	-1.6600%	-1.2210%	0.1225%
21/02/2020	-1.0100%	1.0800%	-1.1500%	0.6345%	-0.1874%
20/02/2020	0.2300%	-1.2500%	0.4300%	0.6386%	0.0793%
19/02/2020	0.7100%	-3.7800%	0.8500%	0.5135%	0.1513%
18/02/2020	0.3300%	4.1700%	0.2200%	0.0000%	0.1873%
17/02/2020	0.0100%	-2.4600%	0.0200%	-0.1282%	0.0072%
14/02/2020	-0.0900%	0.8500%	-0.0300%	0.3876%	-0.1008%
13/02/2020	-0.7000%	0.1700%	-0.7000%	0.0000%	-0.0288%
12/2/2020	-0.6900%	0.4700%	-0.6600%	-0.2577%	0.1656%
11/2/2020	0.0400%	2.9800%	-0.1000%	0.1290%	0.0864%
10/2/2020	-0.7900%	-1.7200%	-0.8900%	0.3886%	-0.1224%
7/2/2020	0.2100%	1.4400%	0.1300%	0.2597%	0.0000%
6/2/2020	0.1400%	1.5100%	-0.0900%	-0.1297%	0.2375%
5/2/2020	0.9500%	2.6200%	1.2100%	-0.8997%	0.4242%
4/2/2020	0.6500%	-1.0600%	1.2100%	-0.1284%	0.1796%
3/2/2020	-0.9400%	0.4700%	-0.9100%	-0.2561%	-0.3377%
31/01/2020	-1.9400%	-0.1800%	-2.5500%	0.0000%	0.0000%
30/01/2020	-0.9100%	3.5100%	-1.3100%	0.3891%	0.0216%
29/01/2020	0.0300%	1.3700%	-0.0300%	-0.3876%	0.9045%
28/01/2020	-0.3600%	2.0500%	-0.3100%	0.0000%	-0.7249%
27/01/2020	-1.7800%	1.2900%	-2.1200%	0.7813%	-0.4098%
24/01/2020	-0.0800%	0.2800%	0.0900%	-0.5181%	0.4098%
23/01/2020	0.2500%	-3.0000%	0.3700%	0.3901%	0.3016%
22/01/2020	-0.0800%	-0.4700%	-0.1800%	-0.2594%	0.4949%
21/01/2020	-0.1100%	0.5800%	0.0700%	0.2601%	0.3009%
20/01/2020	-0.7400%	-0.6200%	-0.7400%	-0.1299%	-0.0072%
17/01/2020	0.0900%	1.7600%	0.3700%	-0.5181%	0.1503%
16/01/2020	0.0400%	-0.7300%	0.0700%	0.6519%	0.2576%
15/01/2020	-0.6600%	0.9000%	-0.7000%	0.0000%	-0.1717%
14/01/2020	0.4600%	7.2200%	0.6900%	-1.4139%	0.0787%
13/01/2020	0.3400%	-1.1300%	0.7200%	-0.2564%	0.4433%

1. Dilarang 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.



10/1/2020	0.0100%	3.3600%	0.1200%	-0.6394%	0.6210%
9/1/2020	0.7800%	-3.0000%	1.1300%	-2.1277%	0.3706%
8/1/2020	-0.8500%	2.0000%	-0.9100%	1.9133%	0.3204%
7/1/2020	0.3500%	3.1900%	0.4400%	0.1277%	0.0213%
6/1/2020	-1.0400%	5.2100%	-1.1000%	1.1628%	-0.3560%
3/1/2020	0.6300%	3.7700%	0.9800%	0.5249%	0.0427%
2/1/2020	-0.2500%	-3.1000%	-0.2800%	1.0554%	0.01873%

Perbandingan Tingkat Pengembalian dan Risiko Harian IHSG, Bitcoin, Indeks Saham LQ45, dan Emas Antam, serta Yield Obligasi Negara Tahun 2020

2020					
Keterangan	IHSG	BTC	LQ45	ID 10 YT	Antam
Geo Mean Harian(a)	-0.02323%	0.54792%	-0.03414%	0.03254%	0.08553%
Stdv Harian (b)	1.69660%	3.82722%	2.31439%	0.53055%	0.97061%
Annualized	-5.40048%	269.11706	-7.83730%	12.61105	22.67156
Annualized Risk(**)	26.22882	59.16743%	35.77954	10.13616	15.00527
Beta	1	-0.136	1.350	0.146	-0.025

Perbandingan Tingkat Pengembalian dan Risiko Harian IHSG, Bitcoin, Indeks Saham LQ45, dan Emas Antam, serta Yield Obligasi Negara Tahun 2021

2021					
Keterangan	IHSG	BTC	LQ45	ID 10 YT	Antam
Geo Mean Harian(a)	0.03356%	0.15903%	-0.00163%	-0.01372%	-0.01222%
Stdv Harian (b)	0.85437%	4.04874%	1.10319%	0.30917%	1.24959%
Annualized	8.38507%	46.42917	-0.39097%	-4.88583%	-2.89076%
Annualized Risk(**)	13.23581	62.72285	17.09053	5.90675%	19.35850
Beta	1	0.510	1.199	0.029	0.202

LAMPIRAN 2: Evaluasi Kinerja Instrumen berturut-turut Sharpe, Treynor, dan Jensen's Alpha

Perbandingan Kinerja dengan Metode Sharpe terhadap Bitcoin, Indeks Saham LQ45, Obligasi Negara dan Emas Antam Tahun 2020-2021

Tahun	Bitcoin	LQ45	ID 10Y T	Emas	Emas Berjangka	
2020	January	0.00332	-0.26306	0.35621	0.06890	0.26640
	February	-0.04866	-0.40860	-0.25039	0.21938	-0.04308
	March	-0.00917	-0.17904	-0.29117	0.24420	0.03216
	April	0.21001	-0.05372	-0.01221	0.11566	0.19820
	May	0.09626	0.06437	0.34312	-0.11287	0.12145
	June	-0.06394	0.09846	0.06076	0.01098	0.14419

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.

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C Hak cipta milik IBI KKG (Institut Bisnis dan Informatika Kwik Kian Gie)	Hak Cipta Di 2021 Ingi Undang-Undang	Perbandingan Kinerja dengan Metode Treynor terhadap Bitcoin, Indeks Saham LQ45, Obligasi Negara dan Emas Antam Tahun 2020-2021				
		July	August	September	October	November
		0.49620	0.26079	0.57767	0.54016	0.51504
		0.06682	0.09691	-0.15028	0.03812	0.00495
		-0.08226	-0.24063	-0.14713	-0.12062	-0.07602
		0.44413	0.33932	0.66307	-0.14710	-0.04699
		0.30907	0.30028	0.30745	-0.17642	-0.18894
		0.45014	0.20222	0.23517	0.13005	0.31748
		0.11051	-0.06994	-0.40603	-0.08384	-0.08540
		0.27561	0.16041	-0.34723	-0.26475	-0.28981
		0.28012	-0.17134	-0.25324	-0.09339	-0.05729
		-0.00929	-0.05372	0.26063	0.11566	0.19820
		-0.28398	-0.03856	0.06259	0.36746	0.46815
		-0.03177	-0.23696	-0.21575	-0.02973	-0.27564
		0.18877	-0.14467	0.50859	0.18547	0.15965
		0.24420	0.21383	0.14311	-0.04590	-0.00247
		-0.13260	0.14023	-0.35318	-0.25884	-0.17691
		0.34274	0.25221	0.36729	0.07044	0.09460
		-0.06031	-0.10476	-0.26093	0.01992	-0.02964
		-0.24505	-0.00777	-0.19464	0.06979	0.17459

Perbandingan Kinerja dengan Metode Treynor terhadap Bitcoin, Indeks Saham LQ45, Obligasi Negara dan Emas Antam Tahun 2020-2021

Tahun	BTC	LQ45	ID 10 YT	ANTAM	
2020	January	-0.04797	-0.00190	0.00546	-0.00057
	February	-0.00283	-0.00382	-0.00299	-0.00429
	March	-0.08905	-0.00737	-0.01648	-0.46474
	April	-0.10375	0.00132	-0.00606	0.00670
	May	-0.00834	0.00072	0.00871	0.14485
	June	0.01170	0.00146	0.00305	0.00575
	July	0.01942	0.00177	0.01976	-0.02666
	August	-0.00339	0.00107	-0.00664	0.04828
	September	-0.09298	-0.00401	0.03020	0.00981
	October	-0.01106	0.00264	-0.00085	0.00809
	November	-0.03296	0.00377	0.02605	0.01502
	December	-0.02480	0.00237	1.18218	0.00352
2021	January	-0.01627	-0.00098	0.02353	-0.02072
	February	0.18819	0.00160	-0.00945	-0.01855
	March	0.00510	-0.00173	-0.01255	-0.00299
	April	-0.00143	-0.00044	-0.02973	0.00322
	May	-0.00431	-0.00196	0.00103	-0.01591
	June	-0.00326	-0.00201	-0.01252	-0.00081
	July	-0.00650	-0.00106	0.12799	0.01467
	August	-0.01754	0.00449	0.03996	-0.00597
	September	-0.00216	0.00148	0.00862	-0.03759
	October	-0.07991	0.00237	0.01060	-0.11746
	November	-0.00422	-0.00085	-0.00325	0.00027
	December	0.01250	-0.00004	0.02332	-0.00235

1. Ditarang 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.

Perbandingan Kinerja dengan Metode Jensen terhadap Bitcoin, Indeks Saham LQ45, Obligasi Negara dan Emas Antam Tahun 2020-2021



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Tahun		BTC	LQ45	ID 10 YT	ANTAM
2020	January	0.01028	0.00112	0.00194	-0.00130
	February	0.00089	0.00063	0.00044	0.00000
	March	0.01035	0.00089	-0.00182	0.00543
	April	0.01082	-0.00080	-0.00009	0.00059
	May	0.00552	0.00076	0.00240	0.00136
	June	-0.00382	-0.00004	0.00016	-0.00045
	July	0.00704	-0.00050	0.00103	0.00312
	August	0.00123	0.00023	-0.00031	0.00191
	September	-0.00132	-0.00087	-0.00037	-0.00049
	October	0.01160	0.00000	0.00130	-0.00070
	November	0.01609	-0.00069	0.00112	-0.00184
	December	0.01116	-0.00115	0.00083	0.00007
2021	January	0.00837	0.00000	-0.00129	0.00052
	February	0.01573	-0.00189	-0.00187	-0.00300
	March	0.01091	0.00027	-0.00068	-0.00047
	April	0.00149	-0.00055	0.00106	0.00065
	May	-0.00839	-0.00035	0.00033	0.00214
	June	-0.00610	-0.00274	-0.00081	-0.00190
	July	0.00633	-0.00203	0.00101	0.00117
	August	0.01321	0.00439	0.00070	-0.00055
	September	-0.01149	0.00009	-0.00106	-0.00115
	October	0.01663	0.00007	0.00045	0.00130
	November	-0.00630	-0.00049	-0.00036	-0.00010
	December	-0.00687	-0.00038	-0.00045	-0.00043

LAMPIRAN 3: Hasil Uji Statistik

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Sharpe	96	-.6660	.5402	.018592	.2426950
Treynor	96	-.4647	1.1822	.006609	.1356574
Jensen	96	-.0115	.0166	.001335	.0048397
Valid N (listwise)	96				

Uji Normalitas

	Instrumen	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Rasio Sharpe	Bitcoin	.141	24	.200*	.965	24	.547
	LQ45	.089	24	.200*	.971	24	.682

1. Dilarang mengutip sebagian atau seluruh karya tulis ini tanpa mencantumkan dan menyebutkan sumber:
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Rasio	ID 10 Y T	.178	24	.049	.929	24	.093
	Antam	.102	24	.200*	.963	24	.505
	Bitcoin	.238	24	.001	.760	24	.000
	LQ45	.121	24	.200*	.956	24	.368
Treynor	ID 10 Y T	.448	24	.000	.296	24	.000
	Antam	.346	24	.000	.526	24	.000
	Bitcoin	.160	24	.112	.932	24	.110
	LQ45	.156	24	.133	.871	24	.005
Nilai Alpha	ID 10 Y T	.074	24	.200*	.984	24	.951
	Antam	.128	24	.200*	.945	24	.207

This is a lower bound of the true significance.
Bonferroni Significance Correction

Uji Peringkat Kruskal-Wallis

		Ranks	
	Instrumen	N	Mean
Rasio Sharpe	Bitcoin	24	55.60
	LQ45	24	44.71
	ID 10 Y T	24	46.13
	Antam	24	47.56
	Total	96	
Rasio	Bitcoin	24	34.10
	LQ45	24	52.88
	Total	96	
Treynor	ID 10 Y T	24	58.96
	Antam	24	48.06
	Total	96	
Nilai Alpha	Bitcoin	24	62.46
	LQ45	24	39.46
	ID 10 Y T	24	46.71
	Antam	24	45.38
	Total	96	

Hasil Uji Hipotesis Kruskal-Wallis pada Kinerja Investasi

	Rasio Sharpe	Rasio Treynor	Nilai Alpha
Kruskal-Wallis	2.207	10.390	8.964
df	3	3	3
Asymp. Sig.	.531	.016	.030

Tabel Perbandingan Dunn's Post Hoc pada Metode Treynor

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig. ^a
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1. Dilarang mengutip seluruh atau sebagian 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.



Bitcoin-Antam	-13.958	8.041	-1.736	.083	.496
Bitcoin-LQ45	-18.771	8.041	-2.334	.020	.117
Bitcoin-ID 10 Y T	-24.854	8.041	-3.091	.002	.012
Antam-LQ45	4.813	8.041	.598	.550	1.000
Antam-ID 10 Y T	10.896	8.041	1.355	.175	1.000
LQ45-ID 10 Y T	-6.083	8.041	-.756	.449	1.000

Tabel Perbandingan Dunn's Post Hoc pada Metode Jensen

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig. ^a
LQ45-Antam	-5.917	8.038	-.736	.462	1.000
LQ45-ID 10 Y T	-7.250	8.038	-.902	.367	1.000
LQ45-Bitcoin	23.000	8.038	2.862	.004	.025
Antam-ID 10 Y T	1.333	8.038	.166	.868	1.000
Antam-Bitcoin	17.083	8.038	2.125	.034	.201
ID 10 Y T-Bitcoin	15.750	8.038	1.960	.050	.300

Hak Cipta Dilindungi Undang-Undang

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