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APPENDICES

Appendix 1 – List of Sample Companies

Table 4 – 1 List of Sample Companies

No	Code	Company Name
1.	BSSR	Baramuli Suksessarana
2.	BUMI	Bumi Resources
3.	BYAN	Bayan Resources
4.	ADRO	Adaro
5.	DSSA	Dian Swastika Sentosa
6.	HRUM	Harum Energy
7.	ANTM	Aneka Tambang
8.	ARII	Atlas Resources
9.	BOSS	Borneo Olah Sarana Sukses
10.	GEMS	Golden Energy Mines
11.	GTBO	Garda Tujuh Buana
12.	INDY	Indika Energy



13.	ITMG	Indo Tambangraya Megah
14.	KKGI	Resource Alam Indonesia
15.	MBAP	Mitrabara Adiperdana
16.	PTBA	Bukit Asam
17.	SMMT	Golden Eagle Energy
18.	ZINC	Kapuas Prima Coal
19.	TOBA	TBS Energi Utama
20.	CNKO	Eksplorasi Energi Indonesia

Appendix 2 – Data of Sample Companies

Company	Year	Interest Expense	Debt Tax Shield	EBIT	Debt Tax Shield	Total Debt	Total Liabilities	Total Asset	Shareholders ' Equity	Debt to Capital	Debt to Capital (SRT)	Debt Tax Shield (CRT)	Firm size (CRT)
BSSR	2017	41,766,47 6,415.30	8,353,295, 283.06	1,502,347, 472,750.5 2	0.01	561,089,82 5,177.04	810,419,5 81,060.38	2,826,605, 123,993.88	2,016,185, 542,933.50	0.22	0.466590 385	0.17715 86985	14139.0983
BSSR	2018	254,021,3 34,723.58	50,804,266 ,944.72	1,336,626, 160,238.7 5	0.04	668,625,21 2,920.22	1,357,615, 750,601.8 5	3,509,268, 711,173.38	2,151,652, 960,571.53	0.24	0.486906 3085	0.33622 50582	15196.33555
BSSR	2019	151,649,8 67,406.18	30,329,973 ,481.24	587,393,8 84,960.74	0.05	228,866,31 7,182.36	1,142,520, 730,545.4 8	3,563,937, 093,390.96	2,421,416, 362,845.48	0.09	0.293862 955	0.37237 53032	15274.84024
BSSR	2020	84,212,72 0,506.88	16,000,416 ,896.31	598,092,2 46,066.56	0.03	185,014,67 1,403.52	1,068,621, 059,461.7 6	3,856,701, 083,612.16	2,788,080, 024,150.40	0.06	0.249458 7336	0.29908 0232	15682.14
BSSR	2021	225,313,9 42,866.08	42,809,649 ,144.56	3,800,247, 639,812.1 6	0.01	240,078,33 8,475.68	2,627,936, 605,859.3 6	6,261,396, 327,878.72	3,633,459, 722,019.36	0.06	0.248955 9869	0.22416 95346	18431.34654
BSSR	2022	197,394,6 60,680.64	37,504,985 ,529.32	4,614,722, 309,128.0 0	0.01	1,134,050, 632,089.92	2,755,154, 203,808.9 6	6,050,185, 717,128.00	3,295,031, 513,319.04	0.26	0.506010 2974	0.20105 48142	18221.72838
BUMI	2017	1,336,425 ,235,956. 72	267,285,04 7,191.34	4,166,179, 249,012.2 0	0.06	36,133,566 ,714,337.5 0	45,870,64 5,895,998. 80	49,722,416 ,221,121.3 0	3,851,770, 325,122.45	0.90	0.950615 8162	0.40032 45622	36772.01327

BUMI	2018	246,271,0 40,267.37	49,254,208 ,053.47	2,388,614, 151,999.4 4		0.02	36,475,424 ,752,798.1 0	48,725,41 9,938,913. 60	54,635,116 ,743,318.5 0	5,909,696, 804,404.83	0.86	0.927669 8939	0.27421 99916	37945.23893
BUMI	2019	444,105,7 81,393.56	88,821,156 ,278.71	405,023,8 36,957.74		0.22	34,927,099 ,227,709.3 0	45,393,22 5,769,688. 90	51,351,293 ,432,078.6 0	5,958,067, 662,389.70	0.85	0.924268 9671	0.60303 8833	37169.2498
BUMI	2020	303,351,8 68,861.44	57,636,855 ,083.67	218,381,4 39,136.00		0.26	30,340,506 ,564,887.7 0	48,269,03 1,113,685. 80	50,211,530 ,964,954.2 0	1,942,499, 851,268.48	0.94	0.969447 7958	0.64144 80916	36892.19434
BUMI	2021	2,247,716 ,539,566. 88	427,066,14 2,517.71	4,186,491, 481,130.0 8		0.10	32,780,959 ,806,110.1 0	51,454,75 0,052,528. 50	60,752,928 ,903,926.7 0	9,298,178, 851,398.24	0.78	0.882627 4133	0.46724 89242	39311.75266
BUMI	2022	1,920,460 ,044,627. 52	364,887,40 8,479.23	10,373,96 7,884,263. 70		0.04	17,063,132 ,001,753.9 0	24,951,18 9,194,566. 70	67,073,682 ,429,826.2 0	42,122,493 ,235,259.5 0	0.29	0.536934 4326	0.32764 58408	40630.36434
BYAN	2017	2,179,511 ,493,685. 74	435,902,29 8,737.15	5,650,625, 797,833.0 6		0.08	4,100,642, 779,879.44	5,020,120, 682,821.6 2	11,955,621 ,085,030.8 0	6,935,500, 402,209.18	0.37	0.609561 1867	0.42569 4008	22866.02711
BYAN	2018	1,274,158 ,279,216. 41	254,831,65 5,843.28	9,975,596, 683,491.6 8		0.03	3,353,970, 540,725.52	6,769,311, 583,123.3 3	16,477,712 ,423,531.8 0	9,708,400, 840,408.46	0.26	0.506720 656	0.29451 32453	25446.74902
BYAN	2019	1,592,434 ,806,499. 68	318,486,96 1,299.94	4,430,396, 582,812.2 0		0.07	4,252,453, 606,425.06	9,368,493, 057,716.4 0	18,170,011 ,452,302.1 0	8,801,518, 394,585.67	0.33	0.570753 3296	0.41579 85954	26289.6659
BYAN	2020	847,077,0 94,532.48	160,944,64 7,961.17	6,248,130, 246,592.6 4		0.03	5,187,482, 078,329.60	11,103,50 8,907,509. 80	23,721,067 ,314,192.6 0	12,617,558 ,406,682.9 0	0.29	0.539767 6122	0.29533 08543	28732.8083
BYAN	2021	1,067,499 ,287,408. 64	202,824,86 4,607.64	23,410,23 9,455,148. 30		0.01	2,817,355, 841,690.56	8,210,196, 884,935.8 4	35,005,347 ,973,492.3 0	26,795,151 ,088,556.5 0	0.10	0.308448 9271	0.20538 64458	32712.32907

BYAN	2022	4,502,511 ,051,015. 04	855,477,09 9,692.86	44,017,54 1,049,242. 60		0.02	10,411,622 ,637,571.2 0	29,145,18 7,505,777. 30	58,964,724 ,919,070.4 0	29,819,537 ,413,293.1 0		0.26	0.508718 9689	0.26886 08311	38922.20409
ADRO	2017	14,672,99 4,312,600. .00	2,934,598, 862,520.00	12,503,32 5,977,820. 00		0.23	18,831,008 ,536,560.0 0	36,621,21 5,474,400. 00	91,658,590 ,409,340.0 0	55,037,374 ,934,940.0 0		0.25	0.504902 4669	0.61684 26539	45087.66293
ADRO	2018	17,971,53 5,852,620. .00	3,594,307, 170,524.00	11,754,79 4,854,620. 00		0.31	24,412,620 ,735,230.0 0	39,489,09 1,034,470. 00	101,093,70 1,255,950. 00	61,604,610 ,221,480.0 0		0.28	0.532738 978	0.67370 02549	46584.4922
ADRO	2019	15,036,84 4,113,720. .00	3,007,368, 822,744.00	9,370,506, 897,180.0 0		0.32	21,465,059 ,358,600.0 0	45,973,84 9,092,600. 00	102,606,01 4,811,300. 00	56,632,165 ,718,700.0 0		0.27	0.524261 8376	0.68465 93385	46815.63732
ADRO	2020	9,231,112 ,038,400. .00	1,753,911, 287,296.00	3,253,633, 084,800.0 0		0.54	16,473,900 ,069,760.0 0	35,585,47 4,122,240. 00	93,458,799 ,857,920.0 0	57,873,325 ,735,680.0 0		0.22	0.470723 4452	0.81385 37129	45380.93086
ADRO	2021	11,069,05 3,568,800. .00	2,103,120, 178,072.00	21,377,52 0,983,520. 00		0.10	25,584,211 ,543,840.0 0	45,000,58 2,725,920. 00	109,126,84 5,694,720. 00	64,126,262 5,968,800.0 0		0.29	0.534028 5083	0.46163 87428	47787.0844
ADRO	2022	12,118,10 5,871,040. .00	2,302,440, 115,497.60	66,896,91 3,906,240. 00		0.03	30,036,335 ,773,120.0 0	63,590,34 1,506,240. 00	161,141,14 6,822,720. 00	97,550,805 3,316,480.0 0		0.24	0.485199 1398	0.32528 25406	54417.11125
DSSA	2017	1,655,755 ,260,594. 30	331,151,05 2,118.86	2,579,084, 557,200.5 4		0.13	13,775,365 ,037,986.7 0	17,264,15 9,154,909. 40	36,819,064 ,156,148.1 0	19,554,905 ,001,238.7 0		0.41	0.642883 2964	0.50449 1112	33267.81277
DSSA	2018	3,198,019 ,483,613. 66	639,603,89 6,722.73	2,782,135, 074,176.4 9		0.23	23,559,522 ,409,714.3 0	26,824,14 9,791,684. 50	48,491,021 ,957,620.3 0	21,666,872 ,165,935.7 0		0.52	0.721750 7726	0.61260 08991	36465.91475
DSSA	2019	2,170,910 ,926,838. 94	434,182,18 5,367.79	1,890,753, 011,441.5 8		0.23	24,778,051 ,339,186.9 0	29,583,77 3,770,756. 90	52,872,863 ,189,271.8 0	23,289,089 ,418,514.9 0		0.52	0.717975 1774	0.61236 78756	37532.79814

DSSA	2020	1,504,739 ,625,679. 36	285,900,52 8,879.08	768,563,2 44,216.32	0.37	10,172,940 ,320,695.0 0	19,204,44 3,151,936. 00	42,474,225 ,486,864.6 0	23,269,782 ,334,928.6 0	0.30	0.551534 1836	0.71919 2444	34890.60414
DSSA	2021	3,709,246 ,589,584. 00	704,756,85 2,020.96	5,456,748, 345,889.1 2	0.13	10,243,883 ,914,033.9 0	18,121,27 0,943,358. 20	43,295,440 ,824,369.9 0	25,174,169 ,881,011.7 0	0.29	0.537798 9841	0.50547 74592	35114.03373
DSSA	2022	10,413,46 3,617,523 .80	1,978,558, 087,329.53	23,997,35 7,102,156. 50	0.08	33,749,769 ,913,609.6 0	51,398,64 5,606,012. 80	96,113,726 ,627,313.3 0	44,715,081 ,021,300.5 0	0.43	0.655839 8946	0.43523 96612	45806.64375
HRUM	2017	190,572,6 61,276.92	38,114,532 ,255.38	982,355,6 17,380.96	0.04	322,250,23 1,881.44	855,260,1 64,515.78	6,180,069, 825,496.62	5,324,809, 660,980.84	0.06	0.238883 0978	0.33853 78932	18351.19967
HRUM	2018	107,405,4 68,762.48	21,481,093 ,752.50	689,990,5 13,786.61	0.03	394,142,23 8,334.60	1,138,290, 774,726.7 6	6,700,524, 217,359.55	5,562,233, 442,632.79	0.07	0.257238 192	0.31458 48161	18852.52797
HRUM	2019	248,448,3 55,378.08	49,689,671 ,075.62	364,353,3 20,888.70	0.14	193,471,55 3,040.48	674,150,8 20,803.46	6,355,053, 600,135.24	5,680,902, 779,331.78	0.03	0.181479 5736	0.51473 19543	18522.79013
HRUM	2020	305,156,4 11,257.60	57,979,718 ,138.94	939,797,8 09,632.64	0.06	386,271,92 3,206.40	643,002,7 51,381.76	7,303,553, 797,585.92	6,660,551, 046,204.16	0.05	0.234126 1321	0.39513 65683	19401.92155
HRUM	2021	1,187,395 534,800. 00	225,605,15 1,612.00	1,834,903, 733,391.8 4	0.12	1,747,570, 092,408.64	3,210,191, 650,224.4 8	12,580,654 ,823,848.6 0	9,370,463, 173,624.16	0.16	0.396463 5973	0.49725 43328	23257.75273
HRUM	2022	1,365,277 ,183,122. 56	259,402,66 4,793.29	7,136,923, 712,442.2 4	0.04	1,692,804, 724,324.16	4,282,229, 469,360.9 6	19,111,702 ,365,685.8 0	14,829,472 ,896,324.8 0	0.10	0.320087 3224	0.33124 89113	26736.20676
ANTM	2017	411,697,4 65.00	82,339,493 .00	454,396,5 24.00	0.18	5,582,038, 185,000.00	11,523,86 9,935,000. 00	30,014,273 ,452,000.0 0	18,490,403 ,517,000.0 0	0.23	0.481544 3922	0.56588 00667	31077.25216
ANTM	2018	412,301,5 01.00	82,460,300 .20	1,265,501, 806.00	0.07	8,647,760, 556,000.00	13,567,16 0,084,000. 00	33,306,390 ,807,000.0 0	19,739,230 ,723,000.0 0	0.30	0.551940 3516	0.40240 25407	32174.30624

ANTM	2019	1,408,101 ,000.00	281,620,20 0.00	687,034,0 53.00	0.41	7,602,707, 094,000.00	12,061,48 8,555,000. 00	30,194,907 ,730,000.0 0	18,133,419 ,175,000.0 0	0.30	0.543516 2588	0.74283 98262	31139.47137
ANTM	2020	1,071,875 ,750.00	203,656,39 2.50	1,641,178, 012.00	0.12	7,282,006, 525,000.00	12,690,06 3,970,000. 00	31,729,512 ,995,000.0 0	19,039,449 ,025,000.0 0	0.28	0.525981 6354	0.49878 58436	31658.31544
ANTM	2021	1,993,081 .00	378,685.39	3,043,509. 00	0.12	5,044,512, 000.00	12,079,05 6,000.00	32,916,154 ,000.00	20,837,098 ,000.00	0.19	0.441482 9495	0.49923 07409	3204.815471
ANTM	2022	2,270,905 .00	431,471.95	5,214,771. 00	0.08	3,952,956, 000.00	9,925,211, 000.00	33,637,271 ,000.00	23,712,060 ,000.00	0.14	0.378003 2443	0.43575 17186	3228.049988
ARII	2017	564,076,9 10.70	112,815,38 2.14	128,876,1 38.82	0.88	3,863,879, 974,244.52	3,864,400, 993,800.0 0	4,399,288, 757,100.00	534,887,76 3,300.00	0.88	0.937230 2514	0.95660 34312	16385.54243
ARII	2018	959,342,5 00.76	191,868,50 0.15	247,696,0 37.00	0.77	4,089,919, 736,950.00	4,868,129, 141,520.0 0	5,011,291, 723,830.00	143,162,58 2,310.00	0.97	0.982944 5874	0.91839 22443	17112.62217
ARII	2019	968,594,0 80.74	193,718,81 6.15	226,051,2 54.00	0.86	3,950,551, 330,440.00	4,519,518, 071,640.0 0	5,174,327, 421,120.00	654,809,34 9,480.00	0.86	0.926183 4796	0.94984 98575	17296.22404
ARII	2020	832,736,1 68.32	158,219,87 1.98	221,580,6 65.60	0.71	4,226,083, 697,920.00	4,870,791, 170,560.0 0	5,283,988, 586,240.00	413,197,41 5,680.00	0.91	0.954429 1665	0.89380 55672	17417.559
ARII	2021	138,743,4 33.92	26,361,252 .44	77,455,25 5.20	0.34	4,460,732, 290,560.00	4,752,128, 022,240.0 0	5,314,279, 134,400.00	562,151,11 2,160.00	0.89	0.942381 022	0.69818 69338	17450.77775
ARII	2022	406,682,2 51.52	77,269,627 .79	535,492,8 61.76	0.14	5,263,390, 737,600.00	5,656,547, 800,320.0 0	6,706,177, 176,000.00	1,049,629, 375,680.00	0.83	0.913091 3308	0.52450 75106	18857.82818
BOSS	2017	24,535,93 6,636.00	4,907,187, 327.20	32,336,37 5,669.00	0.15	296,302,79 9,668.00	350,797,5 73,097.00	365,959,34 6,128.00	15,161,773 ,031.00	0.95	0.975356 8757	0.53339 27379	7152.825239

BOSS	2018	23,030,36 6,344.00	4,606,073, 268.80	31,197,71 8,894.00	0.15	296,139,09 0,298.00	345,989,4 40,969.00	536,867,71 5,737.00	190,878,27 4,768.00	0.61	0.779786 3804	0.52852 96232	8127.477257
BOSS	2019	16,964,46 1,626.00	3,392,892, 325.20	6,458,933, 508.00	0.53	617,884,29 5,397.00	678,262,6 61,673.00	871,638,98 2,195.00	193,376,32 0,522.00	0.76	0.872716 8919	0.80686 91073	9552.393732
BOSS	2020	822,322,5 87.00	156,241,29 1.53	174,735,8 80.00	0.89	576,420,09 5,348.00	611,899,4 59,706.00	699,274,54 8,775.00	87,375,089 ,069.00	0.87	0.931863 943	0.96339 54176	8875.971667
BOSS	2021	1,142,772 ,000.00	217,126,68 0.00	281,962,1 00.00	0.77	561,334,42 0,050.00	601,540,3 44,656.00	523,526,08 1,797.00	78,014,262 ,859.00	1.16	1.077688 833	0.91658 79676	8059.586751
BOSS	2022	162,260,5 31,490.00	30,829,500 ,983.10	37,694,02 7,644.00	0.82	680,954,00 3,155.00	738,491,4 66,471.00	699,108,21 6,872.00	39,383,249 ,599.00	1.06	1.030235 734	0.93518 59715	8875.267854
GEMS	2017	874,093,9 70,906.10	174,818,79 4,181.22	2,257,908, 095,858.0 4	0.08	1,627,274, 319,927.30	3,984,941, 048,403.0 6	7,942,533, 587,448.48	3,957,592, 539,045.42	0.29	0.539788 9295	0.42621 35834	19951.9962
GEMS	2018	1,068,969 ,860,245. 13	213,793,97 2,049.03	1,949,260, 528,738.8 3	0.11	4,417,507, 238,510.97	5,515,656, 894,600.6 6	10,037,368 ,323,884.7 0	4,521,711, 429,284.04	0.49	0.702973 3393	0.47867 62232	21571.14941
GEMS	2019	1,222,489 ,048,672. 32	244,497,80 9,734.46	1,436,371, 039,560.6 0	0.17	4,092,655, 821,111.00	6,004,989, 817,818.4 2	11,098,493 ,395,009.0 0	5,093,503, 577,190.60	0.45	0.667475 9516	0.55420 37298	22305.98176
GEMS	2020	1,065,587 ,894,013. 44	202,461,69 9,862.55	1,861,872, 871,232.6 4	0.11	3,829,715, 092,147.84	6,799,483, 485,531.5 2	11,916,994 ,314,556.8 0	5,117,510, 829,025.28	0.43	0.654242 9197	0.47730 67963	22841.37501
GEMS	2021	1,598,372 ,975,056. 00	351,642,05 4,512.32	6,628,512, 187,590.5 6	0.05	4,590,213, 787,596.96	7,374,472, 329,906.8 8	11,924,325 ,528,878.2 0	4,549,853, 198,971.36	0.50	0.708666 2779	0.37574 64763	22846.05797
GEMS	2022	1,949,221 ,993,771. 52	370,352,17 8,816.59	13,401,03 6,593,571. 80	0.03	3,605,354, 790,192.64	8,531,213, 322,238.4 0	16,874,157 ,122,307.8 0	8,342,943, 800,069.44	0.30	0.549314 3832	0.30233 76063	25649.21214

GTBO	2017	24,325,01 1,382.14	4,865,002, 276.43	14,479,75 4,086.08		0.34	147,393,57 2,515.92	161,559,3 75,127.20	799,876,13 8,190.22	638,316,76 3,063.02		0.19	0.433119 8018	0.69519 60362	9282.698546
GTBO	2018	26,296,77 1,468.47	5,259,354, 293.69	32,984,86 5,138.96		0.16	124,856,55 6,583.60	154,090,8 59,873.99	833,562,06 6,593.77	679,471,20 6,719.78		0.16	0.393993 5815	0.54225 79214	9411.221195
GTBO	2019	25,939,56 6,218.28	5,187,913, 243.66	14,305,61 8,066.74		0.36	176,903,50 3,130.64	177,913,7 67,414.24	782,658,02 4,445.44	604,744,25 7,031.20		0.23	0.475732 3369	0.71311 90305	9215.608446
GTBO	2020	27,641,21 4,133.12	5,251,830, 685.29	11,212,94 8,257.28		0.47	207,869,18 6,645.12	209,537,9 54,133.76	821,444,15 1,059.84	611,906,19 6,926.08		0.25	0.503555 8223	0.77659 92487	9365.393161
GTBO	2021	27,813,67 1,527.36	5,284,597, 590.20	11,306,41 0,415.84		0.47	213,271,75 7,868.16	228,752,5 24,691.36	821,078,34 8,803.20	592,325,82 4,111.84		0.26	0.514526 3221	0.77606 07613	9364.002768
GTBO	2022	60,390,84 9,744.64	11,474,261 ,451.48	114,297,0 36,510.40		0.10	220,078,91 3,051.52	221,475,1 90,774.40	922,678,30 7,032.96	701,203,11 6,258.56		0.24	0.488756 9166	0.46476 12636	9735.317131
INDY	2017	1,401,777 ,435,639. 96	280,355,48 7,127.99	4,036,926, 946,824.9 0		0.07	24,416,452 ,264,553.6 0	33,906,26 2,699,711. 30	48,904,673 ,230,941.7 0	14,998,410 ,531,230.4 0		0.62	0.787066 2154	0.41104 18643	36569.31178
INDY	2018	1,969,561 ,910,696. 70	393,912,38 2,139.34	3,795,281, 979,234.4 2		0.10	26,086,173 ,521,977.1 0	36,150,69 3,354,238. 30	52,175,937 ,633,542.6 0	16,025,244 ,279,304.3 0		0.62	0.787055 318	0.46995 02245	37367.15964
INDY	2019	1,283,509 ,452,130. 62	256,701,89 0,426.12	769,636,2 63,764.94		0.33	26,602,026 ,507,033.1 0	36,543,37 2,461,129. 80	51,411,207 ,264,888.9 0	14,867,834 ,803,759.1 0		0.64	0.800923 5607	0.69350 2208	37183.69985
INDY	2020	966,169,5 26,183.68	183,572,20 9,974.90	416,654,6 15,932.80		0.44	28,337,642 ,165,100.8 0	38,464,02 3,174,290. 60	51,165,697 ,585,107.8 0	12,701,674 ,410,817.3 0		0.69	0.830963 2095	0.76092 80252	37124.41623
INDY	2021	2,980,130 ,757,403. 36	566,224,84 3,906.64	7,222,073, 023,880.1 6		0.08	22,744,987 ,846,969.1 0	40,385,52 1,536,974. 70	53,096,003 ,206,175.5 0	12,710,481 ,669,200.8 0		0.64	0.800942 3066	0.42799 86	37585.52408
INDY	2022	2,868,230 ,162,362. 56	544,963,73 0,848.89	15,099,44 9,458,970. 90		0.04	15,756,243 ,701,314.2 0	33,681,42 7,642,731. 80	53,710,273 ,912,808.3 0	20,028,846 ,270,076.5 0		0.44	0.663552 4973	0.33047 26291	37729.91172

ITMG	2017	2,110,119 ,783.84	422,023,95 6.77	4,870,081, 457.10	0.09	3,412,103, 721.30	5,387,536, 439.28	18,275,674 ,918.86	12,888,138 ,479.58	0.21	0.457524 2138	0.44252 07365	2634.052791
ITMG	2018	502,121,3 88.30	100,424,27 7.66	5,259,789, 551.47	0.02	1,432,771, 238.30	6,771,479, 897.05	20,656,532 ,258.32	13,885,052 ,361.27	0.09	0.305836 9088	0.26727 40428	2743.800127
ITMG	2019	1,697,261 ,056.92	339,452,21 1.38	2,643,065, 190.48	0.13	1,741,390, 811.16	4,614,516, 466.56	17,189,008 ,439.46	12,574,491 ,972.90	0.12	0.348769 9486	0.50453 3788	2580.775784
ITMG	2020	1,404,745 ,265.28	266,901,60 0.40	1,062,547, 391.36	0.25	2,649,009, 305.60	4,574,242, 135.68	16,968,260 ,740.48	12,394,018 ,604.80	0.18	0.419637 3263	0.63095 87336	2569.680386
ITMG	2021	1,808,626 ,955.36	343,639,12 1.52	8,933,446, 053.28	0.04	3,590,184, 126.08	6,683,734, 073.60	23,966,381 ,981.28	17,282,647 ,907.68	0.17	0.414732 1203	0.33756 79402	2883.15169
ITMG	2022	1,947,567 ,407.36	370,037,80 7.40	23,086,85 4,648.32	0.02	4,758,161, 419.84	10,310,48 3,069.12	39,457,339 ,657.92	29,146,856 ,588.80	0.14	0.374617 0986	0.25213 15015	3404.415821
KKGI	2017	17,227,25 9,929.62	3,445,451, 985.92	264,141,7 01,298.54	0.01	43,152,791 ,625.90	221,053,3 00,662.78	1,413,099, 058,489.56	1,192,045, 757,826.78	0.03	0.186911 5167	0.23539 81672	11221.6711
KKGI	2018	11,400,93 3,146.27	2,280,186, 629.25	16,033,56 4,922.67	0.14	372,590,53 5,462.10	437,526,9 00,781.96	1,678,967, 082,059.49	1,241,440, 181,277.53	0.23	0.480463 0696	0.52197 14709	11885.40706
KKGI	2019	25,508,64 7,129.68	5,101,729, 425.94	37,179,85 8,195.48	0.14	346,065,09 2,021.22	468,757,2 67,758.78	1,796,390, 033,801.22	1,327,632, 766,042.44	0.21	0.454716 1369	0.51578 64129	12156.2665
KKGI	2020	26,834,82 4,535.68	5,098,616, 661.78	10,055,44 1,907.84	0.51	280,844,89 6,962.56	357,893,4 44,442.24	1,591,752, 947,128.96	1,233,859, 502,686.72	0.19	0.430595 3396	0.79741 37741	11675.94089
KKGI	2021	59,975,72 5,670.56	11,395,387 ,877.41	488,437,2 69,415.36	0.02	77,712,173 ,634.24	478,419,6 22,391.52	1,901,246, 856,380.64	1,422,827, 233,989.12	0.05	0.227573 0476	0.28574 15783	12388.33202
KKGI	2022	44,666,74 9,200.00	8,486,682, 348.00	867,686,6 97,712.32	0.01	55,722,656 ,984.00	706,082,7 95,148.16	2,543,403, 384,662.40	1,837,320, 589,514.24	0.03	0.171567 7439	0.21385 77546	13650.18115
MBAP	2017	101,512,3 75,778.88	20,302,475 ,155.78	1,058,918, 481,986.7 6	0.02	312,381,54 2,560.14	517,530,5 91,487.62	2,162,673, 189,233.64	1,645,142, 597,746.02	0.16	0.399474 5529	0.26764 68603	12931.93855
MBAP	2018	110,013,4 93,266.74	22,002,698 ,653.35	968,181,0 11,244.66	0.02	233,569,84 6,103.75	706,263,1 26,861.52	2,484,251, 825,444.78	1,777,988, 698,583.26	0.12	0.340754 8523	0.28325 20946	13543.52995
MBAP	2019	144,733,2 53,499.12	28,946,650 ,699.82	688,655,3 92,407.84	0.04	252,821,38 0,863.48	666,593,8 56,296.94	2,737,172, 019,350.34	2,070,578, 163,053.40	0.11	0.329871 6172	0.34769 52754	13988.37814

MBAP	2020	150,555,5 53,460.48	28,605,555 ,157.49	547,340,7 39,671.04	0.05	400,947,25 6,088.96	640,766,8 51,621.12	2,665,017, 915,562.24	2,024,251, 063,941.12	0.17	0.406602 4522	0.37387 88246	13864.36695
MBAP	2021	282,055,0 88,175.52	53,590,466 ,753.35	1,853,989, 830,187.6 8	0.03	498,343,94 7,582.40	830,458,1 01,098.56	3,635,009, 488,765.28	2,804,551, 387,666.72	0.15	0.388433 9563	0.30689 7533	15375.71013
MBAP	2022	181,414,2 24,182.08	34,468,702 ,594.60	3,447,131, 631,864.9 6	0.01	564,512,98 5,088.00	841,132,4 03,114.56	4,581,344, 175,684.16	3,740,211, 772,569.60	0.13	0.362129 8077	0.21543 80237	16608.52151
PTBA	2017	1,948,124 .000.00	389,624,80 0.00	6,101,629, 000.00	0.06	4,632,091, 000.00	8,187,497, 000.00	21,987,482 ,000.00	13,799,985 ,000.00	0.25	0.501304 283	0.39969 94938	2801.507776
PTBA	2018	2,354,095 .000.00	470,819,00 0.00	6,799,056, 000.00	0.07	4,602,074, 000.00	7,903,237, 000.00	24,172,933 ,000.00	16,269,696 ,000.00	0.22	0.469566 5573	0.41064 68106	2891.410693
PTBA	2019	1,792,654 .000.00	358,530,80 0.00	5,455,162, 000.00	0.07	2,916,425, 000.00	7,675,226, 000.00	26,098,052 ,000.00	18,422,826 ,000.00	0.14	0.369688 3972	0.40355 82896	2966.215482
PTBA	2020	2,181,513 .000.00	414,487,47 0.00	3,231,685, 000.00	0.13	2,776,612, 000.00	7,117,559, 000.00	24,056,755 ,000.00	16,939,196 ,000.00	0.14	0.375275 5828	0.50430 59916	2886.771097
PTBA	2021	4,201,461 .000.00	798,277,59 0.00	9,959,025, 000.00	0.08	7,475,784, 000.00	11,869,97 9,000.00	36,123,703 ,000.00	24,253,724 ,000.00	0.24	0.485396 5703	0.43116 71895	3305.704947
PTBA	2022	5,817,015 .000.00	1,105,232, 850.00	15,145,42 1,000.00	0.07	9,412,818, 000.00	16,443,16 1,000.00	45,359,207 ,000.00	28,916,046 ,000.00	0.25	0.495560 6991	0.41788 56695	3566.332389
SMMT	2017	60,751,35 2,534.00	12,150,270 .506.80	40,078,00 1,432.00	0.30	288,874,00 6,395.00	306,303,6 64,687.00	725,663,91 4,382.00	419,360,24 9,695.00	0.41	0.638654 193	0.67177 93196	8986.250257
SMMT	2018	150,176,7 25,600.00	30,035,345 .120.00	84,584,56 7,691.00	0.36	296,805,77 3,191.00	342,430,9 70,325.00	831,965,93 7,268.00	489,534,96 6,943.00	0.38	0.614371 1075	0.70813 1365	9405.210395
SMMT	2019	15,451,17 4,094.00	3,090,234, 818.80	6,234,017, 119.00	0.50	211,005,19 8,645.00	287,067,4 20,462.00	871,513,33 9,763.00	584,445,91 9,301.00	0.27	0.515038 66	0.79142 14746	9551.934733
SMMT	2020	13,034,56 2,985.00	2,476,566, 967.15	13,034,56 2,985.00	0.19	252,143,68 3,436.00	317,228,3 86,339.00	881,786,21 8,140.00	564,557,83 1,801.00	0.31	0.555638 5455	0.57488 97079	9589.31906
SMMT	2021	44,630,52 5,124.00	8,479,799, 773.56	258,001,9 70,758.00	0.03	143,430,17 4,212.00	233,792,8 51,055.00	1,051,640, 434,770.00	817,847,58 3,715.00	0.15	0.386274 3017	0.32032 25586	10169.25393

SMMT	2022	88,508,22 8,429.00	16,816,563 ,401.51	463,165,5 96,772.00	0.04	133,274,41 9,261.00	165,956,6 07,186.00	1,182,852, 785,319.00	1,016,896, 178,133.00	0.12	0.340402 1299	0.33113 13644	10575.72702
ZINC	2017	19,910,32 8,710.00	3,982,065, 742.00	65,813,39 4,752.00	0.06	166,991,95 0,110.00	233,362,9 06,820.00	712,173,96 8,096.00	478,811,06 1,276.00	0.26	0.508507 9362	0.39258 28989	8930.217401
ZINC	2018	90,000,00 0,000.00	18,000,000 ,000.00	143,539,6 76,679.00	0.13	660,631,30 3,201.00	729,208,5 35,072.00	1,317,346, 611,770.00	588,138,07 6,698.00	0.53	0.727341 6436	0.50053 39199	10962.25801
ZINC	2019	59,612,91 6,687.00	11,922,583 ,337.40	24,113,42 7,371.00	0.49	583,033,07 4,054.00	648,343,1 83,551.00	1,429,301, 171,225.00	780,957,98 7,674.00	0.43	0.653793 8542	0.79074 62502	11264.39618
ZINC	2020	46,965,78 9,510.00	8,923,500, 006.90	55,420,02 2,905.00	0.16	505,981,22 2,826.00	580,686,3 58,449.00	1,390,448, 759,495.00	809,762,40 1,046.00	0.38	0.620128 3171	0.54402 99917	11161.39119
ZINC	2021	68,622,74 6,627.00	13,038,321 ,859.13	113,118,6 04,985.00	0.12	990,191,19 2,803.00	1,171,122, 620,364.0	2,058,393, 395,416.00	887,270,77 5,052.00	0.53	0.726229 6157	0.48666 39974	12720.65458
ZINC	2022	22,764,59 4,345.00	4,325,272, 925.55	14,176,90 6,236.00	0.31	1,568,760, 574,648.00	1,702,832, 390,069.0	2,475,954, 037,901.00	773,121,64 7,832.00	0.67	0.818456 8885	0.67319 98594	13528.43397
TOBA	2017	1,193,131 ,553,756. 40	238,626,31 0,751.28	809,703,0 07,668.54	0.29	1,551,186, 646,570.44	2,334,305, 954,348.1	4,685,571, 448,994.16	2,351,265, 494,646.06	0.40	0.630468 2721	0.66547 36412	16733.52826
TOBA	2018	2,219,793 ,968,537. 95	443,958,79 3,707.59	1,392,848, 106,493.1	0.32	3,254,239, 754,698.36	4,098,572, 232,006.1	7,185,807, 987,901.86	3,087,235, 755,895.68	0.51	0.716357 172	0.68309 26853	19297.09209
TOBA	2019	254,751,1 05,068.46	50,950,221 ,013.69	893,814,7 33,606.08	0.06	4,863,611, 115,268.62	5,267,428, 819,507.1	9,022,721, 441,379.36	3,755,292, 621,872.22	0.56	0.751196 241	0.38485 71159	20818.32815
TOBA	2020	199,400,1 92,006.40	37,886,036 ,481.22	616,309,3 25,479.68	0.06	6,548,372, 326,737.92	7,043,682, 162,330.2	11,304,154, 945,229.4	4,260,472, 782,899.20	0.61	0.778353 774	0.39466 33621	22442.9203
TOBA	2021	466,608,6 23,710.56	88,655,638 ,505.01	1,243,775, 6	0.07	6,140,323, 537,318.40	7,247,518, 535,140.6	12,342,525, 610,551.7	5,095,007, 075,411.04	0.55	0.739269 3473	0.41462 43803	23110.07451

TOBA	2022	554,366,1 94,165.76	105,329,57 6,891.49	1,713,972, 332,264.3 2	0.06	5,415,178, 984,720.64	7,108,110, 875,709.4 4	13,440,444 ,256,182.7 0	6,332,333, 380,473.28	0.46	0.678943 2148	0.39462 28034	23775.94977
CNKO	2017	439,702,8 53,000.00	87,940,570 ,600.00	217,143,9 36,000.00	0.40	2,032,893, 028,000.00	3,285,230, 351,000.0 0	3,705,091, 478,000.00	419,861,12 7,000.00	0.83	0.910395 8161	0.73985 59847	15473.89498
CNKO	2018	360,664,8 52,000.00	72,132,970 ,400.00	258,138,7 54,000.00	0.28	3,356,297, 478,000.00	3,521,570, 964,000.0 0	2,703,608, 742,000.00	817,962,22 2,000.00	1.32	1.149888 505	0.65377 28318	13930.96755
CNKO	2019	481,226,1 32,000.00	96,245,226 ,400.00	116,487,9 69,000.00	0.83	2,275,482, 198,000.00	2,314,994, 107,000.0 0	1,635,154, 338,000.00	679,839,76 9,000.00	1.43	1.194177 635	0.93835 25569	11781.11107
CNKO	2020	498,067,4 02,000.00	94,632,806 ,380.00	159,551,3 43,000.00	0.59	2,219,804, 001,000.00	2,260,164, 528,000.0 0	1,110,213, 240,000.00	1,149,951, 288,000.00	2.07	1.440440 484	0.84019 56301	10354.65104
CNKO	2021	482,064,8 75,000.00	91,592,326 ,250.00	156,224,7 59,000.00	0.59	2,398,891, 364,000.00	2,431,647, 038,000.0 0	1,206,842, 636,000.00	1,224,804, 402,000.00	2.04	1.429404 542	0.83695 68638	10646.74572
CNKO	2022	264,123,2 68,000.00	50,183,420 ,920.00	115,356,5 17,000.00	0.44	2,130,277, 928,000.00	2,190,849, 128,000.0 0	905,892,55 0,000.00	1,284,956, 578,000.00	2.52	1.587476 17	0.75771 52757	9675.919117



Appendix 3 – Results of Data Analysis

Table 4 – 2 Descriptive Statistics

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
DTC	112	.17	.98	.5621	.20679
DTS	112	.18	.96	.4870	.17559
FS	112	1711.26	37945.24	17066.4073	10648.85583
Valid N (listwise)	94				

Table 4 – 3 Kolmogorov-Smirnof Normality Test

One-Sample Kolmogorov-Smirnov Test		
N		112
Normal Parameters ^{a,b}	Mean	.4870
	Std. Deviation	.17559
Most Extreme Differences	Absolute	.088
	Positive	.088
	Negative	-.069
Test Statistic		.088
Asymp. Sig. (2-tailed) ^c		.033
Monte Carlo Sig. (2-tailed) ^d	Sig.	.032
	99% Confidence Interval	
	Lower Bound	.027
	Upper Bound	.036

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.

**Table 4 – 4 Autocorrelation Test**

Model Summary^b					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.543 ^a	.295	.280	.16780	2.046

a. Predictors: (Constant), FS, DTS

b. Dependent Variable: DTC

Table 4 -5 Heteroscedasticity Test

Variable	Unstandardized Coefficients		Standardized Coefficients	t	Sig
	B	Std. Error	Beta		
Constant	0.036	0.035		1.035	0.304
DTS	0.90	0.60	0.155	1.501	0.137
FS	2.471E-6	0.000	0.281	2.806	0.06

**Table 4-6 Linear Regression Analysis**

Coefficients ^a						
Model	Unstandardized Coefficients		Standardized Coefficients Beta	t		Sig.
	B	Std. Error				
1	(Constant)	.442	.062		7.160	<.001
	DTS	-.147	.103	-.126	-1.423	.158
	FS	9.128E-6	.000	.519	5.873	<.001

a. Dependent Variable: DTC

Table 4-7 Moderated Regression Analysis

Coefficients ^a						
Model	Unstandardized Coefficients		Standardized Coefficients Beta	t		Sig.
	B	Std. Error				
1	(Constant)	.454	.068		6.662	<.001
	DTS	-.156	.106	-.134	-1.478	.143
	FS	9.035E-6	.000	.513	5.739	<.001
	DTS * DC	-.028	.062	-.041	-.450	.653

a. Dependent Variable: DTC

Table 4 – 8 Partial Test Result (t – Test) Model 1

Coefficients ^a						
Model	Unstandardized Coefficients		Standardized Coefficients Beta	t		Sig.
	B	Std. Error				
1	(Constant)	.442	.062		7.160	<.001
	DTS	-.147	.103	-.126	-1.423	.158
	FS	9.128E-6	.000	.519	5.873	<.001

a. Dependent Variable: DTC

Table 4 – 9 Partial Test Result (t-Test) Model 2

		Coefficients^a		Standardized Coefficients Beta	t	Sig.
Model		Unstandardized Coefficients B	Std. Error			
1	(Constant)	.454	.068		6.662	<,001
	DTS	-.156	.106		-1.478	.143
	FS	9.035E-6	.000		.513	5.739 <,001
	DTS * DC	-.028	.062		-.041	.450 .653

a. Dependent Variable: DTC

Table 4 – 10 Simultaneous Hypothesis Test (F – Test) Model 1

		ANOVA^a			
Model		Sum of Squares	df	Mean Square	F
1	Regression	1.074	2	.537	19.071 <,001 ^b
	Residual	2.562	91	.028	
	Total	3.636	93		

a. Dependent Variable: DTC

b. Predictors: (Constant), FS, DTS

Table 4 – 11 Simultaneous Hypothesis Test (F – Test) Model 2

		ANOVA^a			
Model		Sum of Squares	df	Mean Square	F
1	Regression	1.080	3	.360	12.670 <,001 ^b
	Residual	2.556	90	.028	
	Total	3.636	93		

a. Dependent Variable: DTC

b. Predictors: (Constant), DTS * DC, FS, DTS

**Table 4 – 12 Coefficient of Determination Result****Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.543 ^a	.295	.280	.16780

a. Predictors: (Constant), FS, DTS

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.545 ^a	.297	.273	.16854

a. Predictors: (Constant), DTS * DC, FS, DTS