

LAMPIRAN

Lampiran 1

Yang Terpilih Menjadi Sampel					
No	Tahun	Bulan	Harga Nikel/ton	Ekspor Nikel	PNBP
1	2017	januari	IDR 133,049,190.78	IDR 6,868,090,509,121,920.00	IDR 3,000,000,000,000.00
2		februari	IDR 140,721,425.10	IDR 6,857,283,683,881,120.00	IDR 3,200,000,000,000.00
3		maret	IDR 135,936,275.86	IDR 6,407,575,264,924,200.00	IDR 3,500,000,000,000.00
4		april	IDR 128,062,874.56	IDR 5,964,317,587,298,590.00	IDR 3,300,000,000,000.00
5		mei	IDR 121,955,353.52	IDR 6,901,182,692,860,020.00	IDR 3,700,000,000,000.00
6		juni	IDR 118,962,111.44	IDR 5,535,479,314,336,780.00	IDR 3,400,000,000,000.00
7		july	IDR 126,453,788.97	IDR 6,174,216,654,527,940.00	IDR 3,600,000,000,000.00
8		agustus	IDR 145,392,122.98	IDR 7,665,211,084,465,510.00	IDR 3,020,000,000,000.00
9		september	IDR 151,323,303.76	IDR 9,399,691,837,512,320.00	IDR 3,700,000,000,000.00
10		oktober	IDR 163,817,945.16	IDR 7,631,521,851,882,310.00	IDR 3,500,000,000,000.00
11		november	IDR 147,382,467.74	IDR 6,863,140,757,895,250.00	IDR 3,100,000,000,000.00
12		desember	IDR 157,196,061.36	IDR 14,451,363,548,389,800.00	IDR 3,600,000,000,000.00
13	2018	januari	IDR 151,627,929.15	IDR 7,046,303,469,725,290.00	IDR 3,800,000,000,000.00
14		februari	IDR 170,689,844.25	IDR 11,750,950,178,419,800.00	IDR 4,100,000,000,000.00
15		maret	IDR 184,942,817.12	IDR 11,038,592,093,166,900.00	IDR 3,900,000,000,000.00
16		april	IDR 188,994,332.25	IDR 10,203,199,063,228,900.00	IDR 4,200,000,000,000.00
17		mei	IDR 189,520,986.76	IDR 14,108,859,757,729,900.00	IDR 4,700,000,000,000.00
18		juni	IDR 203,136,011.00	IDR 16,004,395,010,468,200.00	IDR 4,000,000,000,000.00
19		july	IDR 217,173,066.18	IDR 17,326,836,149,313,700.00	IDR 4,300,000,000,000.00
20		agustus	IDR 209,584,969.02	IDR 14,256,801,605,246,300.00	IDR 4,100,000,000,000.00
21		september	IDR 201,676,607.45	IDR 18,889,267,943,110,100.00	IDR 4,000,000,000,000.00
22		oktober	IDR 194,957,524.07	IDR 12,216,171,906,651,400.00	IDR 3,900,000,000,000.00
23		november	IDR 180,365,118.96	IDR 13,007,855,928,032,200.00	IDR 4,300,000,000,000.00
24		desember	IDR 182,151,285.84	IDR 11,839,502,743,684,100.00	IDR 4,330,000,000,000.00
25		januari	IDR 153,253,648.96	IDR 5,872,676,264,999,860.00	IDR 3,500,000,000,000.00
26		februari	IDR 155,329,555.10	IDR 6,059,076,756,078,170.00	IDR 3,600,000,000,000.00
27		maret	IDR 174,479,314.08	IDR 8,782,825,555,578,210.00	IDR 3,900,000,000,000.00
28		april	IDR 185,214,342.50	IDR 6,995,532,993,851,810.00	IDR 3,800,000,000,000.00

29	2019	mei	IDR 187,018,090.35	IDR 12,314,443,896,492,200.00	IDR 3,500,000,000,000.00
30		juni	IDR 171,106,100.00	IDR 11,409,717,297,871,000.00	IDR 3,700,000,000,000.00
31		july	IDR 166,555,524.02	IDR 10,317,217,543,387,800.00	IDR 3,800,000,000,000.00
32		agustus	IDR 182,699,577.01	IDR 13,859,433,617,971,500.00	IDR 4,800,000,000,000.00
33		septembe	IDR 211,759,560.00	IDR 18,679,387,184,096,500.00	IDR 3,700,000,000,000.00
34		oktober	IDR 240,612,894.56	IDR 23,443,246,680,384,300.00	IDR 3,600,000,000,000.00
35		novembe	IDR 246,170,575.86	IDR 25,930,870,318,620,700.00	IDR 4,300,000,000,000.00
36		desember	IDR 223,907,160.27	IDR 19,348,281,450,811,300.00	IDR 3,390,000,000,000.00
37	2021	januari	IDR 232,971,471.88	IDR 12,783,823,284,656,000.00	IDR 6,100,000,000,000.00
38		februari	IDR 248,069,097.45	IDR 18,922,840,823,555,900.00	IDR 5,900,000,000,000.00
39		maret	IDR 265,361,803.08	IDR 21,444,301,865,718,000.00	IDR 7,300,000,000,000.00
40		april	IDR 249,596,148.80	IDR 17,978,503,482,774,800.00	IDR 6,100,000,000,000.00
41		mei	IDR 233,280,904.50	IDR 17,875,563,530,217,800.00	IDR 6,400,000,000,000.00
42		juni	IDR 251,106,670.08	IDR 20,745,765,597,792,400.00	IDR 6,200,000,000,000.00
43		july	IDR 255,779,916.45	IDR 26,998,815,087,728,900.00	IDR 6,300,000,000,000.00
44		agustus	IDR 263,861,505.64	IDR 23,753,433,609,112,800.00	IDR 6,000,000,000,000.00
45		septembe	IDR 275,256,092.82	IDR 49,231,893,694,336,200.00	IDR 6,400,000,000,000.00
46		oktober	IDR 276,876,240.30	IDR 24,380,679,669,400,000.00	IDR 6,300,000,000,000.00
47		novembe	IDR 271,769,098.80	IDR 38,899,817,119,705,000.00	IDR 5,900,000,000,000.00
48		desember	IDR 282,944,995.15	IDR 66,669,384,878,273,200.00	IDR 6,580,000,000,000.00
49	2022	januari	IDR 290,348,794.75	IDR 38,254,437,758,447,700.00	IDR 14,000,000,000,000.00
50		februari	IDR 303,425,701.25	IDR 60,815,749,236,251,700.00	IDR 13,500,000,000,000.00
51		maret	IDR 337,733,130.45	IDR 163,986,593,500,261,000.00	IDR 15,200,000,000,000.00
52		april	IDR 518,980,235.40	IDR 185,477,867,622,237,000.00	IDR 14,300,000,000,000.00
53		mei	IDR 485,998,668.00	IDR 287,221,316,974,077,000.00	IDR 14,800,000,000,000.00
54		juni	IDR 446,164,730.88	IDR 272,748,032,675,328,000.00	IDR 14,500,000,000,000.00
55		july	IDR 410,065,642.26	IDR 211,758,446,822,972,000.00	IDR 14,400,000,000,000.00
56		agustus	IDR 334,758,453.75	IDR 205,904,480,624,464,000.00	IDR 14,600,000,000,000.00
57		septembe	IDR 336,335,555.11	IDR 60,834,410,201,449,600.00	IDR 14,200,000,000,000.00
58		oktober	IDR 343,186,787.50	IDR 180,984,972,405,697,000.00	IDR 14,300,000,000,000.00
59		novembe	IDR 352,111,755.49	IDR 186,667,843,627,675,000.00	IDR 15,000,000,000,000.00
60		desember	IDR 376,092,500.63	IDR 282,123,418,987,000,000.00	IDR 14,700,000,000,000.00
61	2022	januari	IDR 411,662,164.98	IDR 269,766,860,960,441,000.00	IDR 14,100,000,000,000.00
62		februari	IDR 434,461,293.00	IDR 267,653,727,185,307,000.00	IDR 14,200,000,000,000.00
63		maret	IDR 419,627,320.00	IDR 229,978,703,615,373,000.00	IDR 14,300,000,000,000.00

64	2023	april	IDR 357,372,477.00	IDR 192,099,202,345,340,000.00	IDR 14,900,000,000,000.00
65		mei	IDR 348,456,914.33	IDR 240,986,570,669,857,000.00	IDR 14,000,000,000,000.00
66		juni	IDR 350,361,242.00	IDR 142,170,832,660,396,000.00	IDR 14,500,000,000,000.00
67		july	IDR 322,425,520.25	IDR 187,408,800,851,886,000.00	IDR 14,200,000,000,000.00
68		agustus	IDR 314,896,562.54	IDR 158,091,447,768,684,000.00	IDR 14,300,000,000,000.00
69		septembe	IDR 323,371,335.98	IDR 152,224,717,338,363,000.00	IDR 14,100,000,000,000.00
70		oktober	IDR 321,344,040.00	IDR 211,051,872,096,057,000.00	IDR 15,000,000,000,000.00
71		novembe	IDR 285,583,037.76	IDR 155,374,746,293,485,000.00	IDR 14,700,000,000,000.00
72		desember	IDR 272,143,735.28	IDR 142,001,855,819,174,000.00	IDR 14,660,000,000,000.00

Lampiran 2

Perhitungan Harga Nikel dan Ekspor Nikel

Harga Nikel/ton	Ekspor Nikel	Nilai tukar idr-usd (Rupiah)	harga nikel perbulan (USD)	total ekspor/bulan (USD)
IDR 133,049,190.78	IDR 6,868,090,509,121,920.00	13,492.00	\$11,215.78	\$51,620,686.07
IDR 140,721,425.10	IDR 6,857,283,683,881,120.00	13,351.00	\$10,889.98	\$48,729,492.89
IDR 135,936,275.86	IDR 6,407,575,264,924,200.00	13,323.00	\$9,491.39	\$47,136,610.33
IDR 128,062,874.56	IDR 5,964,317,587,298,590.00	13,319.00	\$8,931.76	\$46,573,353.97
IDR 121,955,353.52	IDR 6,901,182,692,860,020.00	13,321.00	\$9,155.12	\$56,587,779.82
IDR 118,962,111.44	IDR 5,535,479,314,336,780.00	13,327.00	\$9,609.28	\$46,531,448.10
IDR 126,453,788.97	IDR 6,174,216,654,527,940.00	13,321.00	\$10,204.66	\$48,825,873.11
IDR 145,392,122.98	IDR 7,665,211,084,465,510.00	13,347.00	\$10,543.30	\$52,720,951.64
IDR 151,323,303.76	IDR 9,399,691,837,512,320.00	13,343.00	\$9,971.46	\$62,116,617.89
IDR 163,817,945.16	IDR 7,631,521,851,882,310.00	13,548.00	\$12,091.67	\$46,585,383.82
IDR 147,382,467.74	IDR 6,863,140,757,895,250.00	13,514.00	\$10,905.91	\$46,566,873.68
IDR 157,196,061.36	IDR 14,451,363,548,389,800.00	13,572.00	\$11,582.38	\$91,932,096.92
IDR 151,627,929.15	IDR 7,046,303,469,725,290.00	14,481.00	\$11,304.55	\$46,471,013.02
IDR 170,689,844.25	IDR 11,750,950,178,419,800.00	14,339.00	\$12,452.75	\$68,843,874.28
IDR 184,942,817.12	IDR 11,038,592,093,166,900.00	15,227.00	\$13,444.52	\$59,686,514.27
IDR 188,994,332.25	IDR 10,203,199,063,228,900.00	14,929.00	\$13,619.25	\$53,986,799.19

IDR 189,520,986.76	IDR 14,108,859,757,729,900.00	14,711.00	\$13,584.76	\$74,444,841.17
IDR 203,136,011.00	IDR 16,004,395,010,468,200.00	14,413.00	\$14,102.75	\$78,786,596.88
IDR 217,173,066.18	IDR 17,326,836,149,313,700.00	14,404.00	\$15,067.86	\$79,783,540.63
IDR 209,584,969.02	IDR 14,256,801,605,246,300.00	13,951.00	\$14,246.82	\$68,023,969.81
IDR 201,676,607.45	IDR 18,889,267,943,110,100.00	13,877.00	\$13,509.05	\$93,661,174.60
IDR 194,957,524.07	IDR 12,216,171,906,651,400.00	13,756.00	\$12,803.41	\$62,660,684.50
IDR 180,365,118.96	IDR 13,007,855,928,032,200.00	13,707.00	\$12,578.64	\$72,119,576.13
IDR 182,151,285.84	IDR 11,839,502,743,684,100.00	13,413.00	\$11,695.00	\$64,998,183.73
IDR 153,253,648.96	IDR 5,872,676,264,999,860.00	14,072.00	\$10,890.68	\$38,319,976.75
IDR 155,329,555.10	IDR 6,059,076,756,078,170.00	14,062.00	\$11,046.05	\$39,007,880.71
IDR 174,479,314.08	IDR 8,782,825,555,578,210.00	14,244.00	\$12,249.32	\$50,337,345.73
IDR 185,214,342.50	IDR 6,995,532,993,851,810.00	14,215.00	\$13,029.50	\$37,769,931.31
IDR 187,018,090.35	IDR 12,314,443,896,492,200.00	14,385.00	\$13,000.91	\$65,846,271.20
IDR 171,106,100.00	IDR 11,409,717,297,871,000.00	14,141.00	\$12,100.00	\$66,682,118.86
IDR 166,555,524.02	IDR 10,317,217,543,387,800.00	14,026.00	\$11,874.77	\$61,944,613.39
IDR 182,699,577.01	IDR 13,859,433,617,971,500.00	14,237.00	\$12,832.73	\$75,859,144.53
IDR 211,759,560.00	IDR 18,679,387,184,096,500.00	14,174.00	\$14,940.00	\$88,210,360.77
IDR 240,612,894.56	IDR 23,443,246,680,384,300.00	14,008.00	\$17,176.82	\$97,431,381.32
IDR 246,170,575.86	IDR 25,930,870,318,620,700.00	14,102.00	\$17,456.43	\$105,337,001.50
IDR 223,907,160.27	IDR 19,348,281,450,811,300.00	13,901.00	\$16,107.27	\$86,412,071.09
IDR 232,971,471.88	IDR 12,783,823,284,656,000.00	14,084.00	\$16,541.57	\$54,872,912.90
IDR 248,069,097.45	IDR 18,922,840,823,555,900.00	14,229.00	\$17,434.05	\$76,280,524.33
IDR 265,361,803.08	IDR 21,444,301,865,718,000.00	14,572.00	\$18,210.39	\$80,811,562.24
IDR 249,596,148.80	IDR 17,978,503,482,774,800.00	14,468.00	\$17,251.60	\$72,030,372.14
IDR 233,280,904.50	IDR 17,875,563,530,217,800.00	14,310.00	\$16,301.95	\$76,626,775.64
IDR 251,106,670.08	IDR 20,745,765,597,792,400.00	14,496.00	\$17,322.48	\$82,617,341.83
IDR 255,779,916.45	IDR 26,998,815,087,728,900.00	14,491.00	\$17,650.95	\$105,554,867.10
IDR 263,861,505.64	IDR 23,753,433,609,112,800.00	14,374.00	\$18,356.86	\$90,022,353.02
IDR 275,256,092.82	IDR 49,231,893,694,336,200.00	14,307.00	\$19,239.26	\$178,858,506.60
IDR 276,876,240.30	IDR 24,380,679,669,400,000.00	14,199.00	\$19,499.70	\$88,056,236.40
IDR 271,769,098.80	IDR 38,899,817,119,705,000.00	14,340.00	\$18,951.82	\$143,135,541.50
IDR 282,944,995.15	IDR 66,669,384,878,273,200.00	14,269.00	\$19,829.35	\$235,626,662.50
IDR 290,348,794.75	IDR 38,254,437,758,447,700.00	14,381.00	\$20,189.75	\$131,753,389.20
IDR 303,425,701.25	IDR 60,815,749,236,251,700.00	14,371.00	\$21,113.75	\$200,430,448.00

IDR 337,733,130.45	IDR 163,986,593,500,261,000.00	14,349.00	\$23,537.05	\$485,550,805.40
IDR 518,980,235.40	IDR 185,477,867,622,237,000.00	14,418.00	\$35,995.30	\$357,389,077.60
IDR 485,998,668.00	IDR 287,221,316,974,077,000.00	14,544.00	\$33,415.75	\$590,991,983.90
IDR 446,164,730.88	IDR 272,748,032,675,328,000.00	14,848.00	\$30,048.81	\$611,316,883.20
IDR 410,065,642.26	IDR 211,758,446,822,972,000.00	14,958.00	\$27,414.47	\$516,401,339.20
IDR 334,758,453.75	IDR 205,904,480,624,464,000.00	14,875.00	\$22,504.77	\$615,083,736.70
IDR 336,335,555.11	IDR 60,834,410,201,449,600.00	15,247.00	\$22,059.13	\$180,874,157.60
IDR 343,186,787.50	IDR 180,984,972,405,697,000.00	15,542.00	\$22,081.25	\$527,365,793.20
IDR 352,111,755.49	IDR 186,667,843,627,675,000.00	15,737.00	\$22,374.77	\$530,138,061.90
IDR 376,092,500.63	IDR 282,123,418,987,000,000.00	15,731.00	\$23,907.73	\$750,143,697.40
IDR 411,662,164.98	IDR 269,766,860,960,441,000.00	14,979.00	\$27,482.62	\$655,311,281.70
IDR 434,461,293.00	IDR 267,653,727,185,307,000.00	15,274.00	\$28,444.50	\$616,058,856.10
IDR 419,627,320.00	IDR 229,978,703,615,373,000.00	15,062.00	\$27,860.00	\$548,054,649.10
IDR 357,372,477.00	IDR 192,099,202,345,340,000.00	14,751.00	\$24,227.00	\$537,532,168.00
IDR 348,456,914.33	IDR 240,986,570,669,857,000.00	14,969.00	\$23,278.57	\$691,582,117.50
IDR 350,361,242.00	IDR 142,170,832,660,396,000.00	15,026.00	\$23,317.00	\$405,783,561.70
IDR 322,425,520.25	IDR 187,408,800,851,886,000.00	15,083.00	\$21,376.75	\$581,246,796.80
IDR 314,896,562.54	IDR 158,091,447,768,684,000.00	15,239.00	\$20,663.86	\$502,042,469.10
IDR 323,371,335.98	IDR 152,224,717,338,363,000.00	15,526.00	\$20,827.73	\$470,742,766.60
IDR 321,344,040.00	IDR 211,051,872,096,057,000.00	15,916.00	\$20,190.00	\$656,778,548.30
IDR 285,583,037.76	IDR 155,374,746,293,485,000.00	15,384.00	\$18,563.64	\$544,061,536.40

LAMPIRAN 3

Hasil Pengolahan Data SPSS 26

1. Uji statistik deskriptif

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Harga nikel sebelum	36	118.962.111. 40	246.170.575.9 0	173.421.659. 9056	32.916.186.3236 8
Harga nikel sesudah	36	232.971.471. 90	518.980.235.4 0	327.882.820. 6667	72.007.857.0401 5
Ekspor nikel sebelum	36	5.535.479.31 4.336.780.00	25.930.870.31 8.620.700.00	1.142.834.77 8.322.2662.0 000	5.229.962.732.76 0.476.00000
Ekspor nikel sesudah	36	12.783.823.2 84.656.000.0 0	287.221.316.9 74.076.992.00	134.035.325. 852.319.264. 0000	94.365.774.622.0 24.256.00000
PNBP sebelum	36	3.000.000.00 0.000.00	4.800.000.000. 000.00	3.773.333.33 3.333.3335	431.005.468.974. 25120
PNBP sesudah	36	5.900.000.00 0.000.00	15.200.000.00 0.000.00	11.720.555.5 55.555.5550	3.913.167.474.37 9.25150
Valid N (listwise)	36				

2. Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

		Harganikelse belumkebijak an	Harganikelse sudahkebijak an	Ekspornikels ebelumkebija kan	Eksposnikels esudahkebija kan	PNBPsebelu mkebijakan	PNBPsesuda hkebijakan
N		36	36	36	36	36	36
Normal Parameters ^{a,b}	Mean	173421659.9	327882820.7	1.1428E+16	1.3404E+17	3.7733E+12	1.1721E+13
	Std. Deviation	32916186.32	72007857.04	5.22996E+15	9.43658E+16	4.31005E+11	3.91317E+12
Most Extreme Differences	Absolute	.078	.119	.153	.179	.095	.359
	Positive	.078	.119	.153	.179	.095	.211
	Negative	-.056	-.094	-.130	-.117	-.069	-.359
Test Statistic		.078	.119	.153	.179	.095	.359
Asymp. Sig. (2-tailed)		.200 ^{c,d}	.200 ^{c,d}	.033 ^c	.005 ^c	.200 ^{c,d}	.000 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

3. Uji Normalitas (*difference*)

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
harganikelsebelum- harganikelsesudah	.179	36	.005	.901	36	.004
ekspornikelsebelum- ekspornikelsesudah	.193	36	.002	.887	36	.002
PNBPsebelum- PNBPsesudah	.334	36	.000	.693	36	.000

a. Lilliefors Significance Correction

4. Uji Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Harga nikel sesudah – Harga nikel sebelum	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	36 ^b	18.50	666.00
	Ties	0 ^c		
	Total	36		
Ekspor nikel sesudah - Ekspor nikel sebelum	Negative Ranks	0 ^d	.00	.00
	Positive Ranks	36 ^e	18.50	666.00
	Ties	0 ^f		
	Total	36		
PNBP sesudah – PNBP sebelum	Negative Ranks	0 ^g	.00	.00
	Positive Ranks	36 ^h	18.50	666.00
	Ties	0 ⁱ		
	Total	36		

- a. Harganikelsesudahkebijakan < Harganikelsebelumkebijakan
- b. Harganikelsesudahkebijakan > Harganikelsebelumkebijakan
- c. Harganikelsesudahkebijakan = Harganikelsebelumkebijakan
- d. Ekspornikelsesudahkebijakan < Ekspornikelsebelumkebijakan
- e. Ekspornikelsesudahkebijakan > Ekspornikelsebelumkebijakan
- f. Ekspornikelsesudahkebijakan = Ekspornikelsebelumkebijakan
- g. PNBPsesudahkebijakan < PNBPsebelumkebijakan
- h. PNBPsesudahkebijakan > PNBPsebelumkebijakan
- i. PNBPsesudahkebijakan = PNBPsebelumkebijakan

Test Statistics^a

	Harga nikel sesudah – Harga nikel sebelum	Ekspor nikel sesudah - Ekspor nikel sebelum	PNBP sesudah – PNBP sebelum
Z	-5.232 ^b	-5.232 ^b	-5.236 ^b
Asymp. Sig. (2-tailed)	.000	.000	.000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.