

DAFTAR PUSTAKA

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LAMPIRAN 1

No	Kode sampel	Nama	Jenis Kelamin	Umur	NIHSS	Kadar Vitamin D
1.	1	DH	Perempuan	76	6	14,44
2.	3	R1	Perempuan	47	13	15,18
3.	4	M1	Perempuan	67	6	26,19
4.	6	N1	Perempuan	51	6	20,61
5.	7	ZL	Laki-laki	49	10	22,41
6.	8	N2	Laki-laki	47	6	20,42
7.	9	S1	Perempuan	61	7	12,93
8.	10	J1	Laki-laki	71	12	20,24
9.	11	AM	Laki-laki	41	7	27,03
10.	12	M2	Laki-laki	62	5	28,98
11.	13	AB	Laki-laki	54	4	26,51
12.	14	J2	Perempuan	51	17	13,48
13.	15	M3	Perempuan	59	3	11,65
14.	16	AH1	Laki-laki	56	4	50,42
15.	17	A	Laki-laki	60	14	25,33
16.	18	K	Laki-laki	57	24	11,07
17.	19	MI	Perempuan	41	4	22,34
18.	20	R2	Laki-laki	52	7	16,1
19.	21	D1	Laki-laki	66	4	39,02
20.	22	AH2	Laki-laki	43	10	15,62
21.	23	MD	Laki-laki	60	4	22,65
22.	24	Z	Laki-laki	29	10	13,88
23.	25	T	Perempuan	68	4	37,3
24.	26	S2	Laki-laki	51	14	19,68
25.	27	IH	Laki-laki	34	11	12,83
26.	29	NY	Laki-laki	72	6	28,36
27.	30	HA	Perempuan	65	3	20,74
28.	31	N3	Perempuan	64	13	16,28
29.	32	R3	Perempuan	60	10	13,08
30.	33	HT	Laki-laki	57	10	27,63
31.	34	HS	Laki-laki	57	8	28,7
32.	35	N4	Laki-laki	64	6	28,58
33.	36	S3	Laki-laki	74	7	57,98
34.	37	AS	Laki-laki	45	7	16,21
35.	38	H1	Perempuan	74	6	22,61
36.	39	D2	Laki-laki	67	9	21,44
37.	41	HF	Perempuan	54	15	32,04
38.	42	AMH	Laki-laki	64	3	23,41
39.	43	H2	Perempuan	55	6	12,39

LAMPIRAN 2

Tabel 2.1. Form NIHSS (diadaptasi dari Lyden, 2017)

No.	Parameter Yang Dinilai	Skala	Skor
1a.	Tingkat Kesadaran	0 = sadar penuh 1 = Tidak sadar penuh; dapat dibangunkan dengan stimulasi minor (suara) 2 = Tidak sadar penuh; dapat berespon dengan stimulasi berulang atau stimulasi nyeri 3 = Koma; tidak sadar dan tidak berespon dengan stimulasi apapun	
1b.	Menjawab pertanyaan	0 = Benar semua 1 = 1 benar/ETT/disartria 2 = Salah semua/afasia/stupor/koma	
1c.	Mengikuti perintah	0 = Mampu melakukan 2 perintah 1 = Mampu melakukan 1 perintah 2 = Tidak mampu melakukan perintah	
2	Gaze: Gerakan mata konyugat horizontal	0 = Normal 1 = Paresis gaze parsial pada 1 atau 2 mata, terdapat abnormal gaze namun forced deviation atau paresis gaze total tidak ada 2 = <i>Forced deviation</i> , atau paresis gaze total tidak dapat diatasi dengan maneuver okulosefalik	
3	Visual: Lapang pandang pada tes konfrontasi	0 = Tidak ada lapang pandang yang hilang 1 = Partial hemianopia 2 = Complete hemianopia 3 = Bilateral hemianopia	
4	Paresis Wajah	0 = Normal 1 = Paralisis minor (<i>sulcus nasolabial</i> rata, asimetri saat tersenyum) 2 = Paralisis parsial (paralisis total atau <i>near total</i> dari wajah bagian bawah) 3 = Paralisis komplit dari satu atau kedua sisi wajah (tidak ada gerakan pada sisi wajah atas maupun bawah)	
5	Motorik Lengan	0 = Tidak ada <i>drift</i> ; lengan dapat diangkat 90 (45)°, selama minimal 10 detik penuh 1 = <i>Drift</i> ; lengan dapat diangkat 90 (45)° namun turun sebelum 10 detik, tidak mengenai tempat tidur 2 = Ada upaya melawan gravitasi; lengan tidak dapat diangkat atau dipertahankan dalam posisi 90 (45)°, jatuh mengenai tempat tidur, namun ada upaya melawan gravitasi 3 = Tidak ada upaya melawan gravitasi, tidak mampu mengangkat, hanya bergeser 4 = Tidak ada gerakan UN = Amputasi atau fusi sendi, jelaskan.....	
6	Motorik Tungkai	0 = Tidak ada <i>drift</i> ; tungkai dapat dipertahankan dalam posisi 30° minimal 5 detik	

		<p>1 = <i>Drift</i>; tungkai jatuh persis 5 detik, namun tidak mengenai tempat tidur</p> <p>2 = Ada upaya melawan gravitasi; tungkai jatuh mengenai tempat tidur dalam 5 detik, namun ada upaya melawan gravitasi</p> <p>3 = Tidak ada upaya melawan gravitasi</p> <p>4 = Tidak ada gerakan</p> <p>UN = amputasi atau fusi sendi, jelaskan.....</p>	
7	Ataksia anggota gerak	<p>0 = Tidak ada ataksia</p> <p>1 = Ataksia pada satu ekstremitas</p> <p>2 = Ataksia pada 2 atau lebih ekstremitas</p> <p>UN = Amputasi atau fusi sendi, jelaskan.....</p>	
8	Sensorik	<p>0 = Normal; tidak ada gangguan sensorik</p> <p>1 = Gangguan sensorik ringan-sedang; sensasi disentuh atau nyeri berkurang namun masih terasa disentuh</p> <p>2 = Gangguan sensorik berat; tidak merasakan sentuhan di wajah, lengan, atau tungkai</p>	
9	Bahasa Terbalik	<p>0 = Normal; tidak ada afasia</p> <p>1 = Afasia ringan-sedang; dapat berkomunikasi namun terbatas. Masih dapat mengenali benda namun kesulitan bicara percakapan dan mengerti percakapan</p> <p>2 = Afasia berat; seluruh komunikasi melalui ekspresi yang terfragmentasi, dikira-kira dan pemeriksa tidak dapat memahami respons pasien</p> <p>3 = Mutisme, afasia global; tidak ada kata-kata yang keluar maupun pengertian akan kata-kata</p>	
10	Disartria	<p>0 = Normal</p> <p>1 = Disartria ringan-sedang; pasien pelo setidaknya pada beberapa kata namun meski berat dapat dimengerti</p> <p>2 = Disartria berat; bicara pasien sangat pelo namun tidak afasia</p> <p>UN = Intubasi atau hambatan fisik lain, jelaskan.....</p>	
11	Pengabaian & Inatensi (<i>Neglect</i>)	<p>0 = Tidak ada <i>neglect</i></p> <p>1 = Tidak ada atensi pada salah satu modalitas berikut; <i>visual, tactile, auditory, spatial</i>, atau <i>personal inattention</i></p> <p>2 = Tidak ada atensi pada lebih dari satu modalitas</p>	
TOTAL			
<p>Keterangan :</p> <p>Skor < 5 : defisit neurologis ringan</p> <p>Skor 5-15 : defisit neurologis sedang</p> <p>Skor =>16 : defisit neurologis berat</p>			

LAMPIRAN 3

Tabel Hasil Pemeriksaan kadar 25(OH)D

Result	1	2	3	4	5	6	7	8	9	10	11	12
A		14,9878	13,8934	12,6138	13,2661	27,1873	23,4809	35,6329	38,9850	28,8886	26,3814	31,9538
B		14,7985	13,5038	20,6079	19,8807	10,8369	11,3073	19,2149	20,1639	29,5958	27,8079	32,1422
C		14,7528	15,6119	26,7706	27,3079	21,9930	22,8668	12,7251	12,9366	27,3887	29,7763	21,9316
D		27,6228	24,7710	28,4050	29,5733	16,2161	16,0013	40,4510	45,6003	57,0418	58,9318	24,9048
E		29,1841	28,9866	26,9283	26,1039	45,7724	32,2686	28,5008	28,2251	15,6708	16,7569	12,1373
F		19,9838	21,2393	13,3171	13,6594	15,3258	15,9194	18,8168	22,6665	20,7511	24,4885	12,6493
G	62,4309	21,6652	23,1673	11,8219	11,4880	24,3314	20,9827	15,7622	16,8142	18,7396	24,1583	8,5178
H	9,9594	19,4274	21,4324	49,6711	51,1885	13,6547	14,1162	12,3716	13,7927	31,8790	34,8977	8,9006

*Satuan : ng/mL

LAMPIRAN 4

Analisis Statistik

Tests of Normality

	Shapiro-Wilk		
	Statistic	Df	Nilai p
NIHSS	0,879	39	0,001
Vit.D	0,860	39	0,000

Statistics

		JK	Kat.Umur	Kat.NIHSS	Kat.Vit.D
N	Valid	39	39	39	39
	Missing	0	0	0	0

Frequency Table

JK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	24	61.5	61.5	61.5
	Perempuan	15	38.5	38.5	100.0
	Total	39	100.0	100.0	

Kat.Umur

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	26-35 tahun	2	5.1	5.1	5.1
	36-45 tahun	4	10.3	10.3	15.4
	46-55 tahun	10	25.6	25.6	41.0
	56-65 tahun	14	35.9	35.9	76.9
	> 65 tahun	9	23.1	23.1	100.0

Total	39	100.0	100.0
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Kat.NIHSS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ringan	9	23.1	23.1	23.1
	Sedang	28	71.8	71.8	94.9
	Berat	2	5.1	5.1	100.0
	Total	39	100.0	100.0	

Kat.Vit.D

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Normal	5	12.8	12.8	12.8
	Insuffiecient	19	48.7	48.7	61.5
	Defisiensi	15	38.5	38.5	100.0
	Total	39	100.0	100.0	

MEANS TABLES=Umur NIHSS Vit.D
/CELLS=MEAN STDDEV MEDIAN MIN MAX.

Means

Notes

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Cases Used		Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
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Case Processing Summary

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NIHSS	39	100.0%	0	0.0%	39	100.0%
Vit.D	39	100.0%	0	0.0%	39	100.0%

Report

	Umur	NIHSS	Vit.D
Mean	57.0513	8.2308	22.9682
Std. Deviation	11.03809	4.49831	10.18292
Median	57.0000	7.0000	21.4400
Minimum	29.00	3.00	11.07
Maximum	76.00	24.00	57.98

```

EXAMINE VARIABLES=NIHSS Vit.D
/PLOT BOXPLOT STEMLEAF NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```


Explore

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax	EXAMINE VARIABLES=NIHSS Vit.D /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.	
Resources	Processor Time	00:00:00.55
	Elapsed Time	00:00:00.80

Case Processing Summary

	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
NIHSS	39	100.0%	0	0.0%	39	100.0%
Vit.D	39	100.0%	0	0.0%	39	100.0%

Descriptives

		Statistic	Std. Error
NIHSS	Mean	8.2308	.72031
	95% Confidence Interval for	Lower Bound	6.7726
	Mean	Upper Bound	9.6890
	5% Trimmed Mean	7.8348	
	Median	7.0000	
	Variance	20.235	
	Std. Deviation	4.49831	
	Minimum	3.00	
	Maximum	24.00	
	Range	21.00	
	Interquartile Range	5.00	
	Skewness	1.400	.378
	Kurtosis	2.611	.741
Vit.D	Mean	22.9682	1.63057
	95% Confidence Interval for	Lower Bound	19.6673
	Mean	Upper Bound	26.2691
	5% Trimmed Mean	21.8730	
	Median	21.4400	
	Variance	103.692	
	Std. Deviation	10.18292	
	Minimum	11.07	
	Maximum	57.98	
	Range	46.91	
	Interquartile Range	12.45	
	Skewness	1.602	.378
	Kurtosis	3.352	.741

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
NIHSS	.198	39	.001	.879	39	.001
Vit.D	.149	39	.028	.860	39	.000

a. Lilliefors Significance Correction
 NONPAR CORR
 /VARIABLES=NIHSS Vit.D
 /PRINT=SPEARMAN TWOTAIL NOSIG
 /MISSING=PAIRWISE.

Nonparametric Correlations

Notes

Output Created		10-AUG-2022 13:44:38
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax	NONPAR CORR /VARIABLES=NIHSS Vit.D /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.	
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00
	Number of Cases Allowed	629145 cases ^a

a. Based on availability of workspace memory

Correlations

			NIHSS	Vit.D
Spearman's rho	NIHSS	Correlation Coefficient	1.000	-.337*
		Sig. (2-tailed)	.	.036
		N	39	39
	Vit.D	Correlation Coefficient	-.337*	1.000
		Sig. (2-tailed)	.036	.
		N	39	39

*. Correlation is significant at the 0.05 level (2-tailed).

MEANS TABLES=NIHSS BY Kat.Vit.D
 /CELLS=MEAN STDDEV MEDIAN MIN MAX.

Notes

Output Created		10-AUG-2022 13:45:02
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=NIHSS BY Kat.Vit.D /CELLS=MEAN STDDEV MEDIAN MIN MAX.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Case Processing Summary

	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
NIHSS * Kat.Vit.D	39	100.0%	0	0.0%	39	100.0%

Report

NHSS

Kat.Vit.D	Mean	Std. Deviation	Median	Minimum	Maximum
Normal	6.8000	4.76445	4.0000	4.00	15.00
Insuffiecient	6.7895	3.02910	6.0000	3.00	14.00
Defisiensi	10.5333	5.23541	10.0000	3.00	24.00
Total	8.2308	4.49831	7.0000	3.00	24.00

NPAR TESTS

```
/K-W=NIHSS BY Kat.Vit.D(1 3)
/MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created	10-AUG-2022 13:45:21	
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAR TESTS /K-W=NIHSS BY Kat.Vit.D(1 3) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

Kruskal-Wallis Test

		Ranks	
	Kat.Vit.D	N	Mean Rank
NIHSS	Normal	5	15.50
	Insuffiecient	19	16.53
	Defisiensi	15	25.90
	Total	39	

Test Statistics^{a,b}

NIHSS	
Kruskal-Wallis H	6.670
Df	2
Asymp. Sig.	.036

a. Kruskal Wallis Test

b. Grouping Variable: Kat.Vit.D

```

DATASET ACTIVATE DataSet17.
NPAR TESTS
  /M-W= NIHSS BY Kat.Vit.D(1 2)
  /MISSING ANALYSIS.
    
```

NPar Tests

Notes		
Output Created		10-AUG-2022 13:46:59
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Cases Used		Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= NIHSS BY Kat.Vit.D(1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

Mann-Whitney Test

		Ranks		
	Kat.Vit.D	N	Mean Rank	Sum of Ranks
NIHSS	Normal	5	11.40	57.00
	Insufficient	19	12.79	243.00
	Total	24		

Test Statistics^a

	NIHSS
Mann-Whitney U	42.000
Wilcoxon W	57.000
Z	-.397
Asymp. Sig. (2-tailed)	.691
Exact Sig. [2*(1-tailed Sig.)]	.731 ^b

a. Grouping Variable: Kat.Vit.D

b. Not corrected for ties.

```

DATASET ACTIVATE DataSet17.
NPAR TESTS
  /M-W= NIHSS BY Kat.Vit.D(1 3)
  /MISSING ANALYSIS.

```

NPar Tests

Notes

Output Created	10-AUG-2022 13:46:59	
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAR TESTS /M-W= NIHSS BY Kat.Vit.D(1 3) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

Mann-Whitney Test

Ranks

	Kat.Vit.D	N	Mean Rank	Sum of Ranks
NIHSS	Normal	5	7.10	35.50
	Defisiensi	15	11.63	174.50
	Total	20		

Test Statistics^a

	NIHSS
Mann-Whitney U	20.500
Wilcoxon W	35.500
Z	-1.495
Asymp. Sig. (2-tailed)	.135
Exact Sig. [2*(1-tailed Sig.)]	.142 ^b

- a. Grouping Variable: Kat.Vit.D
- b. Not corrected for ties.

```

DATASET ACTIVATE DataSet17.
NPAR TESTS
  /M-W= NIHSS BY Kat.Vit.D(2 3)
  /MISSING ANALYSIS.

```

NPar Tests

Notes		
Output Created		10-AUG-2022 13:46:59
Comments		
Input	Data	D:\Office\SPSS\Data dr Linda RNL.sav
	Active Dataset	DataSet17
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAR TESTS /M-W= NIHSS BY Kat.Vit.D(2 3) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

Mann-Whitney Test

		Ranks		
	Kat.Vit.D	N	Mean Rank	Sum of Ranks
NIHSS	Insuffiecient	19	13.74	261.00
	Defisiensi	15	22.27	334.00
	Total	34		

Test Statistics^a

	NIHSS
Mann-Whitney U	71.000
Wilcoxon W	261.000
Z	-2.504
Asymp. Sig. (2-tailed)	.012
Exact Sig. [2*(1-tailed Sig.)]	.012 ^b

a. Grouping Variable: Kat.Vit.D

b. Not corrected for ties.