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LAMPIRAN**Lampiran 1. Lembar skor NIHSS**

**LEMBAR NATIONAL INSTITUTES OF HEALTH STROKE SCORE
(NIHSS)**

NAMA :

UMUR :

AKTIVITAS		Nilai		
		Onset hari ke 0-14	Keluar RS	Onset hari ke-30
1.a Derajat kesadaran	0= sadar penuh			
	1 = somnolen			
	2 = stupor			
	3 = koma			
1.b menjawab pertanyaan	0 = dapat menjawab 2 pertanyaan dengan benar (mis: bulan berapa dan usia)			
	1 =Hanya dapat menjawab 1 pertanyaan dengan benar/tidak dapat berbicara karena terpasang pipa endotrakeal			
	2= tidak bisa menjawab kedua pertanyaan dengan benar/ afasia/ stupor			
1. c Mengikuti perintah	0 = Dapat melakukan 2 perintah dengan benar (mis: buka mata dan tutup mata)			
	1 = Hanya dapat melakukan 1 perintah dengan benar			
	2 = Tidak dapat melakukan perintah dengan benar			
2. Gerakan mata konjugat hori	0 = Normal			
	1 = akan abnormal hanya pada satu mata			
	2 = paresis konyugar yang kuat atau resis konyugar total pada satu mata			
	3 = tidak ada gangguan			



3. Lapang pandang	1 = Kuadranopia			
	2 = Hemianopia			
	3 = Hemianopia total			
	4 = Hemianopia bilateral/ buta kortikal			
4. Parese wajah	0 = Normal			
	1 = Paresis ringan			
	2 = Paresis parsial			
	3 = Paresis total			
5. Motorik lengan kanan	0 = Tidak ada simpangan bila pasien disuruh mengangkat lengannya selama 10 detik			
	1 = Lengan menyimpang ke bawahn sebelum 10 detik			
	2 = Lengan terjatuh ke kasur atau badan atau tidak dapat diluruskan secara penuh			
	3 = Tidak dapat melawan gravitasi			
	4 = Tidak ada gerakan			
	X = Tidak dapat diperiksa			
6. Motorik lengan kiri	Idem No. 5			
7. Motorik tungkai kanan	Idem No. 5			
8. Motorik tungkai kiri	Idem No. 5			
9. Ataksia anggota badan	0 = Tidak ada			
	1 = Pada satu ekstremitas			
	2 = Pada dua ekstremitas			
	X = Tidak dapat diperiksa			
10. Sensorik	0 = Normal			
	1 = Defisit parsial yaitu merasa tai berkurang			
	2 = Defisit total yaitu pasien tidak atau terdapat gangguan			
11.  terb	0 = Tidak ada afasia			
	1 = Afasia ringan-sedang			
	2 = Afasia berat			

	X= tidak dapat bicara (bisu)/ afasia global/ koma			
12. Disartria	0 = Artikulasi normal			
	1 = Disartria ringan-sedang			
	2 = Disartria berat			
	X =tidak dapat diperiksa			
13. Neglect/ tidak ada atensi	0 = Tidak ada			
	1 = Parsial			
	2 =Total			
Nilai total				



Lampiran 2. Data analisa statistik

Frequencies

		Statistics	
		JK	Kejadian Stroke
N	Valid	82	82
	Missing	0	0

Frequency Table

		JK			Cumulative Percent
		Frequency	Percent	Valid Percent	
Valid	Laki-laki	43	52.4	52.4	52.4
	Perempuan	39	47.6	47.6	100.0
	Total	82	100.0	100.0	

		Kejadian Stroke			Cumulative Percent
		Frequency	Percent	Valid Percent	
Valid	Sehat	21	25.6	25.6	25.6
	Stroke Ringan (NIHSS < 5)	25	30.5	30.5	56.1
	Stroke Sedang-Berat (NIHSS >=5)	36	43.9	43.9	100.0
	Total	82	100.0	100.0	

Frequencies

		Statistics		
		JK	Kejadian Stroke	KatGDP
N	Valid	82	82	75
	Missing	0	0	7

Frequency Table



		JK			Cumulative Percent
		Frequency	Percent	Valid Percent	
		43	52.4	52.4	52.4
		39	47.6	47.6	100.0
		82	100.0	100.0	

Kejadian Stroke

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Sehat	21	25.6	25.6	25.6
	Stroke Ringan (NIHSS < 5)	25	30.5	30.5	56.1
	Stroke Sedang-Berat (NIHSS >=5)	36	43.9	43.9	100.0
	Total	82	100.0	100.0	

KatGDP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	NORMAL	61	74.4	81.3	81.3
	DM	14	17.1	18.7	100.0
	Total	75	91.5	100.0	
Missing	System	7	8.5		
Total		82	100.0		

Explore

Case Processing Summary

	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
IGF1	82	100.0%	0	0.0%	82	100.0%
USIA	82	100.0%	0	0.0%	82	100.0%

Descriptives

		Statistic	Std. Error
IGF1	Mean	.6372	.15199
	95% Confidence Interval for Mean	Lower Bound Upper Bound	.3348 .9397
	5% Trimmed Mean	.4134	
	Median	.4034	
	Variance	1.894	
	Std. Deviation	1.37633	
	Minimum	.35	
	Maximum	12.29	
	Range	11.94	
	Interquartile Range	.01	
	Skewness	7.836	.266
	Kurtosis	65.558	.526
	Lower Bound	57.55	1.040
	Upper Bound	55.48	



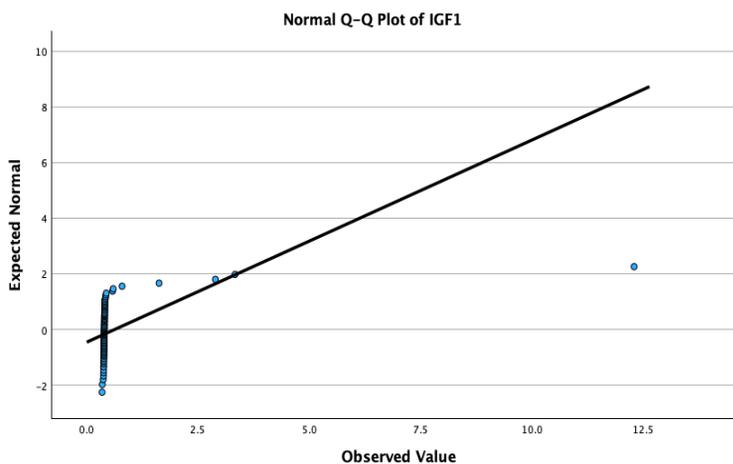
95% Confidence Interval for Mean	Upper Bound	59.62	
5% Trimmed Mean		57.74	
Median		56.00	
Variance		88.621	
Std. Deviation		9.414	
Minimum		34	
Maximum		80	
Range		46	
Interquartile Range		14	
Skewness		-.109	.266
Kurtosis		-.013	.526

Tests of Normality

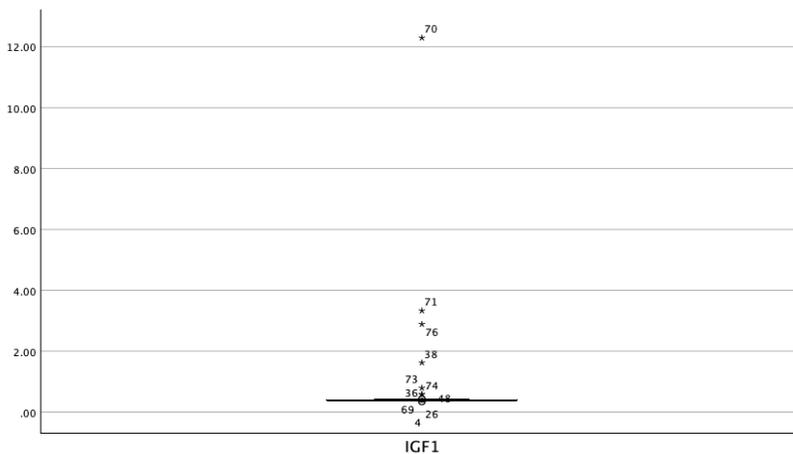
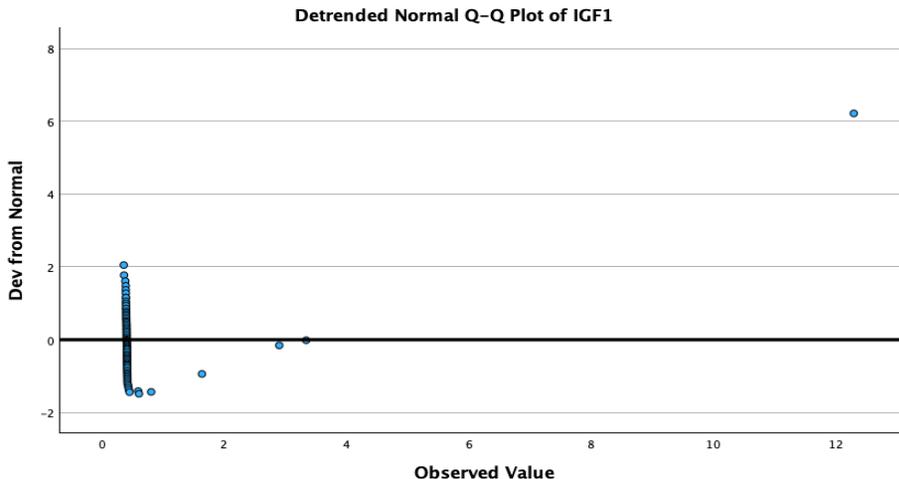
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IGF1	.470	82	<.001	.172	82	<.001
USIA	.102	82	.035	.982	82	.291

a. Lilliefors Significance Correction

IGF1



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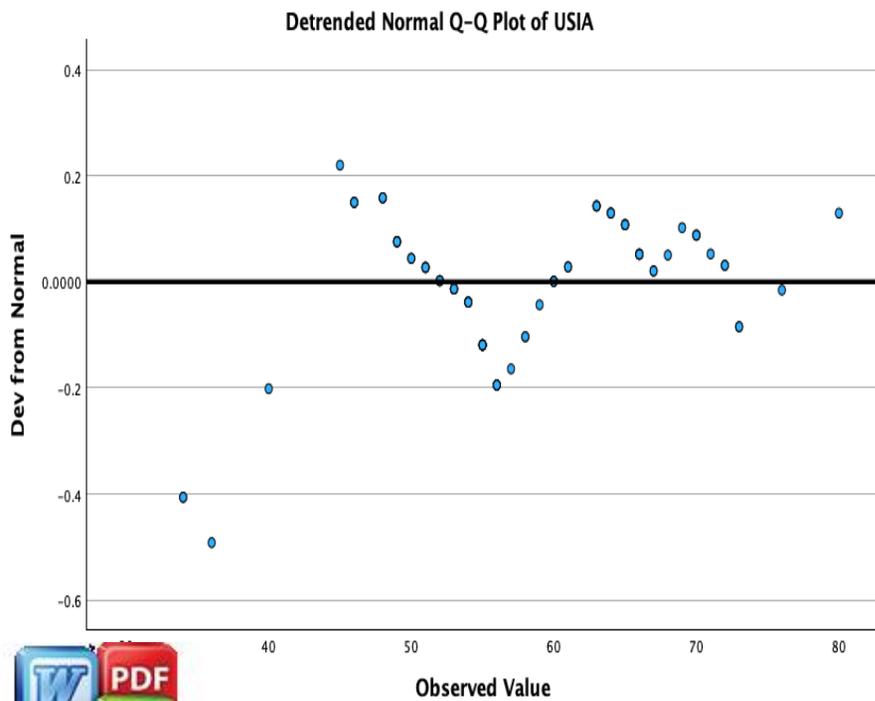
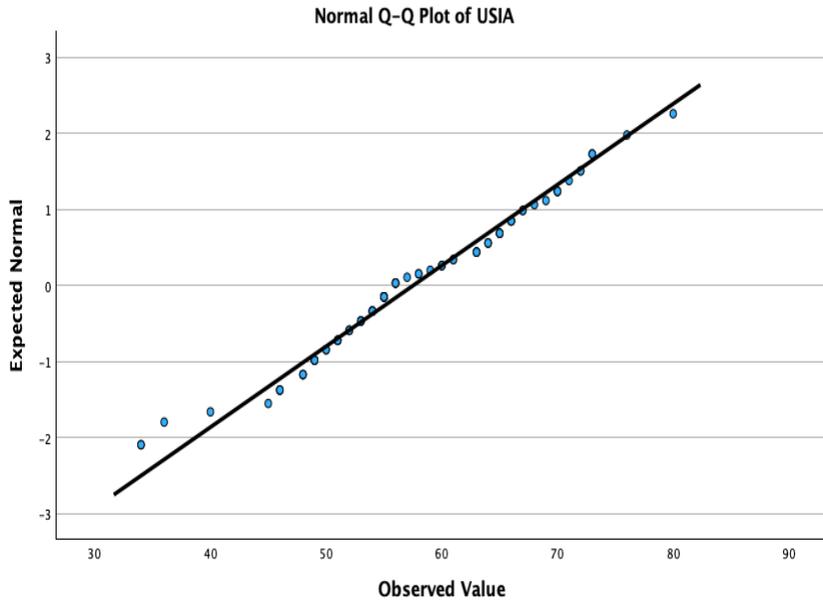
USIA

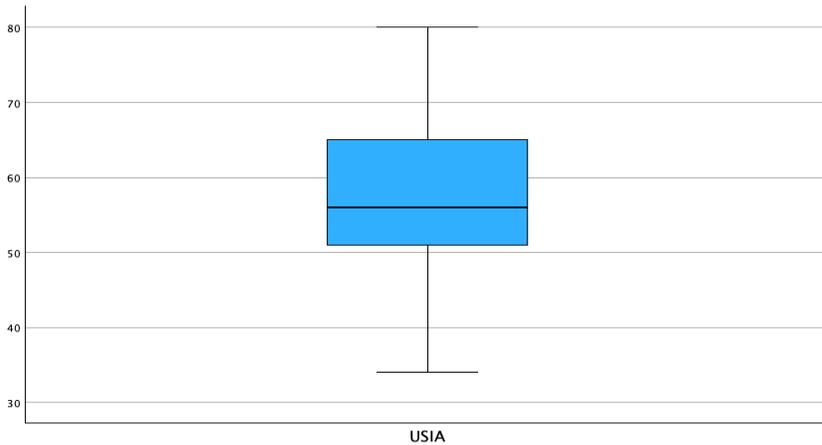
USIA Stem-and-Leaf Plot

Frequency	Stem & Leaf
3.00	3 . 446
12.00	4 . 056668889999
33.00	5 . 00111122233344445555555566667889
24.00	6 . 000113333444455556667789
9.00	7 . 000122336
4.00	8 . 0001



e(s)





NPar Tests Kruskal-Wallis Test

		Ranks	N	Mean Rank
USIA	Kejadian Stroke			
	Sehat		21	39.10
	Stroke Ringan (NIHSS < 5)		25	40.98
	Stroke Sedang-Berat (NIHSS >=5)		36	43.26
	Total		82	

Test Statistics^{a,b}

	USIA
Kruskal-Wallis H	.424
df	2
Asymp. Sig.	.809

a. Kruskal Wallis Test

b. Grouping Variable: Kejadian Stroke



Explore Kejadian Stroke

Case Processing Summary

	Kejadian Stroke	Valid		Cases Missing		N	Total
		N	Percent	N	Percent		
USIA	Sehat	21	100.0%	0	0.0%	21	
	Stroke Ringan (NIHSS < 5)	25	100.0%	0	0.0%	25	
	Stroke Sedang-Berat (NIHSS >=5)	36	100.0%	0	0.0%	36	

Descriptives

	Kejadian Stroke		Statistic	Std. Error	
USIA	Sehat	Mean	56.52	2.056	
		95% Confidence Interval for Mean	Lower Bound	52.24	
			Upper Bound	60.81	
		5% Trimmed Mean		56.84	
		Median		55.00	
		Variance		88.762	
		Std. Deviation		9.421	
		Minimum		34	
		Maximum		73	
		Range		39	
		Interquartile Range		15	
		Skewness		-.365	.501
		Kurtosis		.023	.972
			Stroke Ringan (NIHSS < 5)	Mean	57.08
95% Confidence Interval for Mean	Lower Bound			52.85	
	Upper Bound			61.31	
5% Trimmed Mean				57.47	
Median				56.00	
Variance				105.077	
Std. Deviation				10.251	
Minimum				34	
Maximum				73	
Range				39	
Interquartile Range				14	
Skewness				-.471	.464
Kurtosis				-.032	.902
	Stroke Sedang-Berat (NIHSS >=5)			Mean	58.47
		95% Confidence Interval for Mean	Lower Bound	55.43	
			Upper Bound	61.51	
		5% Trimmed Mean		58.28	
		Median		56.00	
		Std. Deviation		8.981	



Minimum	40	
Maximum	80	
Range	40	
Interquartile Range	13	
Skewness	.446	.393
Kurtosis	-.093	.768

Crosstabs

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
KatGDP * Kejadian Stroke	75	91.5%	7	8.5%	82	100.0%
JK * Kejadian Stroke	82	100.0%	0	0.0%	82	100.0%

KatGDP * Kejadian Stroke

		Crosstab			Total
		Sehat	Kejadian Stroke Ringan (NIHSS < 5)	Kejadian Stroke Sedang-Berat (NIHSS >=5)	
KatGDP	NORMAL	Count	19	18	24
		% within KatGDP	31.1%	29.5%	39.3%
DM	Count	2	4	8	
		% within KatGDP	14.3%	28.6%	57.1%
Total	Count	21	22	32	
		% within KatGDP	28.0%	29.3%	42.7%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.005 ^a	2	.367
Likelihood Ratio	2.143	2	.343
Linear-by-Linear Association	1.970	1	.160
N of Valid Cases	75		

^a .e expected count less than 5. The minimum expected



JK * Kejadian Stroke

Crosstab

			Kejadian Stroke			Total
			Sehat	Stroke Ringan (NIHSS < 5)	Stroke Sedang-Berat (NIHSS >=5)	
JK	Laki-laki	Count	10	15	18	43
		% within JK	23.3%	34.9%	41.9%	100.0%
	Perempuan	Count	11	10	18	39
		% within JK	28.2%	25.6%	46.2%	100.0%
Total		Count	21	25	36	82
		% within JK	25.6%	30.5%	43.9%	100.0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.855 ^a	2	.652
Likelihood Ratio	.859	2	.651
Linear-by-Linear Association	.001	1	.971
N of Valid Cases	82		

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 9.99.

NPar Tests

Kruskal-Wallis Test

Ranks

		N	Mean Rank
IGF1	Sehat	21	53.69
	Stroke Ringan (NIHSS < 5)	25	34.56
	Stroke Sedang-Berat (NIHSS >=5)	36	39.21
	Total	82	

Test Statistics^{a,b}

		IGF1
		7.960
		2
		.019
t		
: Kejadian		

Explore Kejadian Stroke

Case Processing Summary

	Kejadian Stroke	Valid		Cases Missing		Total	
		N	Percent	N	Percent	N	Percent
IGF1	Sehat	21	100.0%	0	0.0%	21	100.0%
	Stroke Ringan (NIHSS < 5)	25	100.0%	0	0.0%	25	100.0%
	Stroke Sedang-Berat (NIHSS >=5)	36	100.0%	0	0.0%	36	100.0%

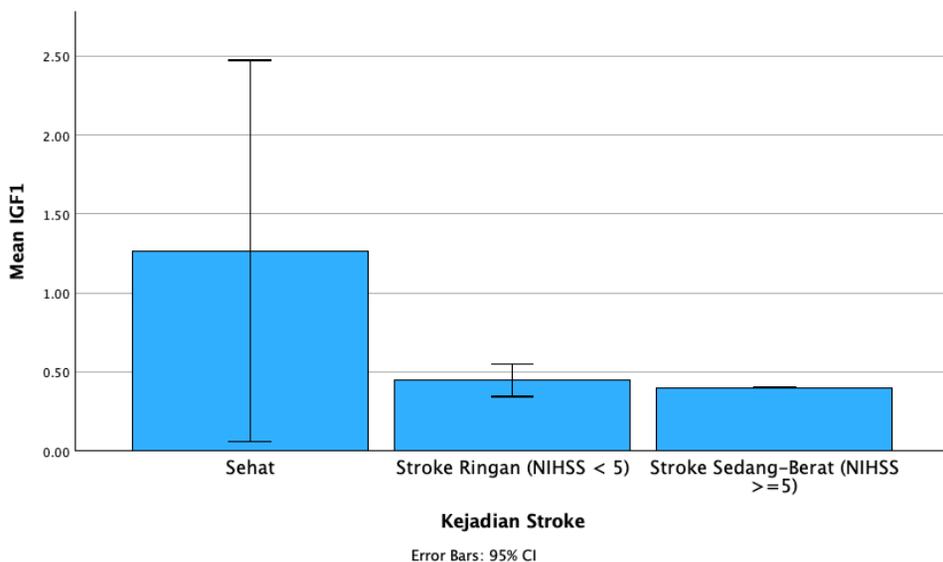
Descriptives

	Kejadian Stroke		Statistic	Std. Error
IGF1	Sehat	Mean	1.2660	.57894
		95% Confidence Interval for Mean	Lower Bound	.0583
		Upper Bound	2.4736	
		5% Trimmed Mean	.7256	
		Median	.4072	
		Variance	7.039	
		Std. Deviation	2.65305	
		Minimum	.39	
		Maximum	12.29	
		Range	11.90	
		Interquartile Range	.20	
		Skewness	3.976	.501
		Kurtosis	16.692	.972
		Stroke Ringan (NIHSS < 5)	Stroke Ringan (NIHSS < 5)	Mean
95% Confidence Interval for Mean	Lower Bound			.3455
Upper Bound	.5496			
5% Trimmed Mean	.4002			
Median	.3991			
Variance	.061			
Std. Deviation	.24729			
Minimum	.35			
Maximum	1.63			
Range	1.28			
Interquartile Range	.01			
Skewness	4.960			.464
Kurtosis	24.727			.902
Stroke Sedang-Berat (NIHSS >=5)	Stroke Sedang-Berat (NIHSS >=5)			Mean
		95% Confidence Interval for Mean	Lower Bound	.3981
		Upper Bound	.4063	
		5% Trimmed Mean	.4017	



(NIHSS ≥5)	Median	.4044	
	Variance	.000	
	Std. Deviation	.01210	
	Minimum	.38	
	Maximum	.45	
	Range	.07	
	Interquartile Range	.02	
	Skewness	1.065	.393
	Kurtosis	4.007	.768

GGraph



Nonparametric Correlations

Correlations



	NIHSS AWAL01	IGF1
NIHSS Correlation Coefficient	1.000	.055
NIHSS Sig. (2-tailed)	.	.672
N	61	61
IGF1 Correlation Coefficient	.055	1.000
IGF1 Sig. (2-tailed)	.672	.
N	61	82

Explore

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
IGF1	82	100.0%	0	0.0%	82	100.0%
USIA	82	100.0%	0	0.0%	82	100.0%

Descriptives

		Statistic	Std. Error	
IGF1	Mean	.63724592	.151990051	
	95% Confidence Interval for Mean	Lower Bound	.33483339	
		Upper Bound	.93965844	
	5% Trimmed Mean	.41335076		
	Median	.40337436		
	Variance	1.894		
	Std. Deviation	1.376328449		
	Minimum	.353220		
	Maximum	12.292545		
	Range	11.939325		
	Interquartile Range	.014690		
	Skewness	7.836	.266	
	Kurtosis	65.558	.526	
USIA	Mean	57.54878049	1.039588614	
	95% Confidence Interval for Mean	Lower Bound	55.48032524	
		Upper Bound	59.61723574	
	5% Trimmed Mean	57.74119241		
	Median	56.00000000		
	Variance	88.621		
	Std. Deviation	9.413875285		
	Minimum	34.000000		
	Maximum	80.000000		
	Range	46.000000		
	Interquartile Range	14.000000		
	Skewness	-.109	.266	
	Kurtosis	-.013	.526	



Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
NIHSSAWAL01	61	74.4%	21	25.6%	82	100.0%
IGF1KASUS	61	74.4%	21	25.6%	82	100.0%

Descriptives

		Statistic	Std. Error	
NIHSSAWAL01	Mean	6.95901639	.645105054	
	95% Confidence Interval for Mean	Lower Bound	5.66861416	
		Upper Bound	8.24941863	
	5% Trimmed Mean	6.56921676		
	Median	5.00000000		
	Variance	25.386		
	Std. Deviation	5.038431537		
	Minimum	1.000000		
	Maximum	23.000000		
	Range	22.000000		
	Interquartile Range	7.000000		
	Skewness	1.106	.306	
	Kurtosis	.817	.604	
IGF1KASUS	Mean	.42079175	.020264969	
	95% Confidence Interval for Mean	Lower Bound	.38025578	
		Upper Bound	.46132772	
	5% Trimmed Mean	.40114437		
	Median	.40159647		
	Variance	.025		
	Std. Deviation	.158274464		
	Minimum	.353220		
	Maximum	1.631637		
	Range	1.278417		
	Interquartile Range	.014631		
	Skewness	7.710	.306	
	Kurtosis	59.942	.604	



Lampiran 3. Rekomendasi izin etik penelitian

	<p>KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN RSPN UNIVERSITAS HASANUDDIN RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR Sekretariat : Lantai 2 Gedung Laboratorium Terpadu JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245. Contact Person: dr. Agusalim Bukhari, MMed, PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431</p>	
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REKOMENDASI PERSETUJUAN ETIK

Nomor : B06/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 2 Oktober 2024

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH24080616		No Sponsor	
Peneliti Utama	dr. Irwansyah Fitri Latif		Sponsor	
Judul Peneliti	ANALISIS HUBUNGAN KADAR INSULIN-LIKE GROWTH FACTOR-1 (IGF-1) SERUM TERHADAP SEVERITAS PASIEN STROKE ISKEMIK			
No Versi Protokol	2	Tanggal Versi	27	September 2024
No Versi PSP	2	Tanggal Versi	27	September 2024
Tempat Penelitian	RSUP Dr.Wahidin Sudirohusodo dan Jejaring Makassar			
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku	2 Oktober 2024	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Prof. dr. Muh Nasrum Massi, PhD, SpMK, Subsp. Bakt(K)		Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	dr. Firdaus Hamid, PhD, SpMK(K)		Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)

