DAFTAR PUSTAKA

Agarwal Renu, et al. 2009. Current Concept in the Pathophysiology of Glaucoma. Indian Journal of Ophthalmology. March; p.257-264. doi : 10.4103/0301-4738.53049

Ahmad, Syed Shoeb. 2016. Controversies in the Vascular Theory of Glaucomatous Optic Nerve Degeneration. Taiwan Journal of Ophthalmology. Dec; p.182-186

Anderson DR. 2003. Normal Tension Glaucoma Study. Collaborative normal tension glaucoma study. Curr Opin Ophthalmol. Apr;14(2):86-90.

Benitez-del-Castillo, Javier, et al. "Cytokine Expression in Tears of Patients with Glaucoma or Dry Eye Disease: A Prospective, Observational Cohort Study." *European Journal of Ophthalmology*, vol. 29, no. 4, July 2018, pp. 437–443, https://doi.org/10.1177/1120672118795399.

Boudouin Christophe, et al. 2021. Inflammation in Glaucoma : From the back to the front of the eye, and beyond. Elsevier. 10.1016 : 1-26.

Bouhenni RA, Dunmire J, Sewell A, Edward DP. (2012) Animal Models of Glaucoma. Journal of Biomedicine and Biotechnology. 10(1155):1-11.

Burgoyne, Claude F. 2011. A Biomechanical Paradigm for Axonal Insult within The Optic Nerve Head in Aging and Glaucoma. doi : https://doi.org/10.1016/j.exer.2010.09.005

Calafiore S, Perdicchi A, Scuderi G, Contestabile MT, Abdolrahimzadeh S, Recupero SM. 2016. Glaucoma Management in Carotid Cavernous Fistula. Case Rep Ophthalmol. May-Aug;7(2):296-302.

Chen, Haiyan, et al. "Evaluations of Aqueous Humor Protein Markers in Different Types of Glaucoma." *Medicine (United States)*, vol. 101, no. 41, Oct. 2022, p. E31048, https://doi.org/10.1097/MD.0000000000031048.

Chua, Jocelyn, et al. *Expression Profile of Inflammatory Cytokines in Aqueous from Glaucomatous Eyes*. 2012. cytokines in aqueous from glaucomatous eyes. *Mol Vis*; 18(February):431- 438.

Cook C, Foster P. 2012. Epidemiology of glaucoma: what's new? Can J Ophthalmol. Jun;47(3):223-6.

Coudrillier B, Pijanka J, Jefferys J, Sorensen T, Quigley HA, Boote C, Nguyen TD. 2015. Collagen structure and mechanical properties of the human sclera: analysis for the effects of age. J Biomech Eng. Apr;137(4):041006

Craven ER, Katz LJ, Wells JM, Giamporcaro JE., iStent Study Group. 2012. Cataract surgery with trabecular micro-bypass stent implantation in patients with mild-to-moderate open-

angle glaucoma and cataract: two-year follow- up. J Cataract Refract Surg. Aug;38(8):1339-45.

Echevarria, Franklin et al. 2016. Interleukin-6 Deficiency Attenuates Retinal Ganglion Cell Axonopathy and Glaucoma-Related Vision Loss. Frontiers in Neuroscience. 2017 May 31;11:318. doi: 10.3389/fnins.2017.00318

Flammer Josef et al. 2002. The Impact of Ocular Blood Flow in Glaucoma. doi : https://doi.org/10.1016/s1350-9462(02)00008-3

Gupta, N., et al. 2019. *Neuroinflammation and Neurodegeneration in Glaucoma: A Review. Journal of Neuroinflammation*, 16(1), 189.

Gurtner, GC et al. 2008. Wound Repair and Regeneration. Nature. May 15;453(7193):314-21. doi: 10.1038/nature07039.

Harcourt Brown, Frances. 2002. Textbook of Rabbit Medicine. Reed Elsevier (Reed Educational and Professional Publishing). Oxford UK. Chapter 1, 3, 11.

Hurst SM, Wilkinson TS, McLoughlin RM, Jones S, Horiuchi S, Yamamoto N, et al. 2001. Il-6 and its soluble receptor orchestrate a temporal switch in the pattern of leukocyte recruitment seen during acute inflammation. Immunity; 14(6):705–14.

Hou, Xian Ru, et al. “Expression of Cytokines on the Iris of Patients with Neovascular Glaucoma.” *Acta Ophthalmologica*, vol. 93, no. 2, Mar. 2015, pp. e100–e104, https://doi.org/10.1111/aos.12510.

Huang, Wenbin, et al. “Inflammation-Related Cytokines of Aqueous Humor in Acute Primary Angle-Closure Eyes.” *Investigative Ophthalmology and Visual Science*, vol. 55, no. 2, Jan. 2014, pp. 1088–1094, https://doi.org/10.1167/iovs.13-13591.

Ignacio Tartara, Stefania Leavi, Vilma R.Campana, Daniel A.Allemandi, Santiago D.Palma. (2018) A Comparison of Two Experimental Rabbit Models of Glaucoma. Revista de la Facultad de Ciencias Medicas. UNC. 25-30p.

Johnson, Daniel E et al. 2018. Targeting IL-6/JAK/ STAT3 Signalling Axis in Cancer. Nat Rev Clin Oncol. 2018 Feb 6;15(4):234–248. doi: 10.1038/nrclinonc.2018.8

Johnson TV. (2010) Rodent Models of Glaucoma. Brain Res Bull. 15(81):349- 58.

Kementrian Kesehatan Republik Indonesia. InfoDatin: Situasi Glaukoma di Indonesia. Jakarta: Pusat Data dan Informasi Kementrian Kesehatan Republik Indonesia; 2019 p. 1-12.

Lee, K.M., et al. 2020. Role of Inflammatory Cytokines in the Pathogenesis of Glaucoma. Progress in Retinal and Eye Research*, 75, 100780.*

Liu CJ, Cheng CY, Wu CW, Lau LI, Chou JC, Hsu WM. 2006. Factors predicting intraocular pressure control after phacoemulsification in angle- closure glaucoma. Arch Ophthalmol. Oct;124(10):1390-4.

Liu YC, Wilkins M, Kim T, Malyugin B, Mehta JS. 2017. Cataracts. Lancet. Aug 05;390(10094):600-612.

Mac Nair, C.E.; Schlamp, C.L.; Montgomery, A.D.; Shestopalov, V.I.; Nickells, R.W. 2016. Retinal glial responses to optic nerve crush are attenuated in Bax-deficient mice and modulated by purinergic signaling pathways. J. Neuroinflammation [CrossRef] [PubMed]

Margeta, M.A.; Lad, E.M.; Proia, A.D. 2018. CD163+ macrophages infiltrate axon bundles of postmortem optic nerves with glaucoma. Graefes Arch. Clin. Exp. Ophthalmol. 256, 2449–2456.

Moreno et al. 2008. Oxidative Stress in Primary Open Angle Glaucoma. doi : https://doi.org/10.1097/ijg.0b013e31815c3a7f

Nagata K, Maruyama K, Uno K, Shinomiya K, Yoneda K, Hamuro J, et al. 2012. Simultaneous analysis of multiple cytokines in the vitreous of patients with sarcoid uveitis. Invest Ophthalmol Vis Sci; 53(7):3827–33. doi:10.1167/iovs.11-9244.

Nilsson DE. 2013. Eye evolution and its functional basis. Vis Neurosci.Mar;30(1-2):5-20.

Ohira, Saori, et al. “Factors Influencing Aqueous Proinflammatory Cytokines and Growth Factors in Uveitic Glaucoma.” *PLoS ONE*, vol. 11, no. 1, Jan. 2016, https://doi.org/10.1371/journal.pone.0147080.

Ooi KG, Galatowicz G, Calder VL, Lightman SL. 2006. Cytokines and chemokines in uveitis: is there a correlation with clinical phenotype? Clin Med Res; 4(4):294–309. doi:10.3121/cmr.4.4.294.

Plateroti P, Plateroti AM, Abdolrahimzadeh S, Scuderi G. 2015. Pseudoexfoliation Syndrome and Pseudoexfoliation Glaucoma: A Review of the Literature with Updates on Surgical Management. J Ophthalmol; 2015:370371.

Ruiz-Ederra J, Verkman AS. Mouse model of sustained elevation in intraocular pressure produced by episcleral vein occlusion. *Experimental Eye Research*. 2006;82(5):879-884.

Sayantan Biswas, Kelvin H. Wan. 2019. Review of Rodent Hypertensive Glaucoma Models.

Sivak, J.M. 2013. *The aging glaucomatous eye: A brief review of the role of oxidative stress. Molecular Vision*, 19, 1891–1898.

Sonoda S, Sakamoto T, Yamashita T, Shirasawa M, Otsuka H, Sonoda Y. 2014. Retinal morphologic changes and concentrations of cytokines in eyes with diabetic macular edema. Retina; 34(4):741–48. doi:10.1097/IAE.0b013e3182a48917.

Soto I, Howell GR. The complex role of neuroinflammation in glaucoma. Cold Spring Harb Perspect Med. 2014 Jul 3;4(8):a017269. doi: 10.1101/cshperspect.a017269. PMID: 24993677; PMCID: PMC4109578.

Tanaka, Toshio et al. 2014. IL-6 in Inflammation, Immunity, and Disease. Cold Spring Harb Perspect Biology. 2014 Sep 4;6(10):a016295.

Taniguchi, K., & Karin, M. 2018. *NF-κB, inflammation, immunity, and cancer: coming of age. Nature Reviews Immunology*, 18(5), 309–324.

Tezel, G. 2008. *TNF-α signaling in neurodegeneration: Role in glaucoma. Brain Research Reviews*, 58(2), 455-468.

Ulhaq ZS, Soraya GV, Budu, Wulandari LR. 2020. The role of IL-6-174 G/C polymorphism and intraocular IL-6 levels in the pathogenesis of ocular diseases: a systematic review and meta-analysis. Sci Rep; Oct 15;10(1):17453. doi: 10.1038/s41598-020-74203-9. PMID: 33060644; PMCID: PMC7566646.

Vail D, Pershing S, Reeves MG, Afshar AR. 2020. The Relative Impact of Patient, Physician, and Geographic Factors on Variation in Primary Rhegmatogenous Retinal Detachment Management. Ophthalmology. Jan;127(1):97-106.

Vecino E, Sharma SC. (2011). Glaucoma-Basic and Clinical Concepts. Departament of Ophthalmology, NY Medical College, Valhalla; USA.

Vennen, Kristine et al. 2009. Rabbits. Biology, Medicine. doi : https://doi.org/10.1016/B978-141600119-5.50017-2

Vohra, Rupali et al. 2013. The Role of Inflammation of Pathogenesis of Glaucoma. Survey of Ophthalmology vol 58 number 4. Elsevier. July-August 2013; p.311-320

Ward, PA et al. 1999. The Acute Inflammatory Response and Its Regulation. Archives of Surgery. Jun;134(6):666-9. doi: 10.1001/archsurg.134.6.666.

Weinreb, Robert N, et al. “The Pathophysiology and Treatment of Glaucoma: A Review.” *JAMA*, vol. 311, no. 18, May 2014, pp. 1901–1911, https://doi.org/10.1001/jama.2014.3192.

Wright C, Tawfik MA, Waisbourd M, Katz LJ. 2016. Primary angle-closure glaucoma: an update. Acta Ophthalmol. May;94(3):217-25. [PubMed]

Yan, D. B., Coloma, F. M., Metheetrairut, A., Trope, G. E., Heathcote, J. G., & Ethier, C. R. (1994). Deformation of the lamina cribrosa by elevated intraocular pressure. *British Journal of Ophthalmology*, *78*(8), 643–648. https://doi.org/10.1136/bjo.78.8.643

Yu, Ping, et al. “Inflammatory Cytokines Levels in Aqueous Humour and Surgical Outcomes of Trabeculectomy in Patients with Prior Acute Primary Angle Closure.” *Acta Ophthalmologica*, vol. 99, no. 7, Nov. 2021, pp. e1106–e1111, https://doi.org/10.1111/aos.14763.

Yulianti, Alya Rifdah. 2024. Pengaruh Resusitasi Cairan Ringer Laktat dan Gelatin terhadap Fungsi Ginjal pada Hewan Model Kelinci yang Mengalami Syok Hemoragik. Hasanuddin University.

Zeng, Hong Bo, et al. “The Inflammatory Cytokine Profiles and Ocular Biometric Characteristics of Primary Angle-Closure Glaucoma.” *Journal of International Medical Research*, vol. 51, no. 1, Jan. 2023, https://doi.org/10.1177/03000605221147434.

Zenkel, Mathias et al. “Proinflammatory Cytokines Are Involved in the Initiation of the Abnormal Matrix Process in Pseudoexfoliation Syndrome/Glaucoma.” *American Journal of Pathology*, vol. 176, no. 6, 2010, pp. 2868–2879, https://doi.org/10.2353/ajpath.2010.090914.

Zhang J, Patel DV. 2015. The pathophysiology of Fuchs' endothelial dystrophy-a review of molecular and cellular insights. Exp Eye Res. Jan;130:97-105.

Zhou J, Wang S, Xia X. 2012. Role of intravitreal inflammatory cytokines and angiogenic factors in proliferative diabetic retinopathy. Curr Eye Res; 37(5):416–20. doi:10.3109/02713683.2012.661114.

Lampiran







KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN 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. Agussalim Bukhari, MMed,PhD, SpGK. TELP. 082241850858, 0411 5780103. Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 174/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 15 Maret 2024

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

No Protokol	UH24020115	No Sponsor	
Peneliti Utama	**dr. Nurul Muthia Alviani**	Sponsor	
Judul Peneliti	Perbandingan kadar interleukin 6 di humor aquous pada kelinci model glaukoma		
No Versi Protokol	**1**	Tanggal Versi	**21 Februari 2024**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Laboratorium Animal Fakultas Kedokteran dan RS Universitas Hasanuddin Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku **15 Maret 2024** sampai **15 Maret 2025**	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 Lapor 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)
- Mematuhi semua peraturan yang ditentukan

Kelinci Perlakuan	Hari 1		Hari 3		Hari 5		Hari 7	
	TIO	IL 6	TIO	IL 6	TIO	IL 6	TIO	IL 6
1	27	2,355093	25	2,360118	22	2,027071	21	1,962883
2	42	3,792802	32	3,445243	30	3,11539	28	2,22649
3	55	2,461843	37	1,679837	45	1,88	24	1,692358
4	28	2,92583	27	2,836242	20	2,550142	20	1,6139
5	38	2,645472	31	2,380277	16	2,064	10	1,7049
6	28	1,760026	43	1,859912	27	1,709125	29	1,9043
7	37	1,917734	28	1,406325	28	1,41009	27	1,51004
8	36	1,684005	22	1,675675	21	1,49441	21	1,471135
9	52	5,305203	32	1,904303	24	1,41009	21	2,581709
10	41	1,935724	31	3,263098	20	3,103654	12	1,513969
11	48	2,197372	28	1,667368	21	1,52972	18	1,609873
12	41	1,734476	40	1,541594	21	1,395	21	1,6798
13	50	3,773389	31	1,904303	23	1,573515	22	1,557508
14	36	1,890925	32	1,913251	26	1,877599	20	1,597701
15	27	1,96743	24	1,953806	19	1,561501	19	1,553521
16	37	1,935724	29	1,899838	21	1,622097	19	1,577532

Kelinci Kontrol	Hari 1		Hari 3		Hari 5		Hari 7	
	TIO	IL 6	TIO	IL 6	TIO	IL 6	TIO	
1	17	1,777176	15	2,385331	19	2,310131	17	1,926717
2	16	2,068937	16	2,017831	16	1,999422	15	1,622097
3	15	2,087697	17	1,738719	21	2,2804	16	2,1976372
4	18	2,4464	16	1,944753	17	2,054929	18	2,624124
5	19	2,920187	13	2,11277	16	1,738719	17	2,275486
6	19	2,897674	16	2,154088	15	1,940236	12	1,842319
7	14	2,078305	14	2,064262	12	1,899838	12	1,890925
8	20	2,971184	17	2,031699	17	2,040974	15	1,985676
9	19	2,931479	20	2,959811	19	2,937134	19	2,920187
10	15	1,764304	15	1,777176	14	1,696544	14	1,684005
11	18	2,6669	17	2,661544	16	2,078305	17	2,154088
12	17	2,410689	16	2,26564	17	2,3151	17	2,325066
13	16	1,949277	14	1,829185	12	1,3682	15	1,922223
14	14	2,054929	14	2,064262	13	1,981106	14	1,999422
15	17	2,187712	15	2,092401	15	2,078305	16	2,111277
16	15	1,899838	16	1,949277	16	1,922223	16	1,944753

Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TIO Hari 1	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
TIO Hari 1	Mean		27.6688	2.25358
	95% Confidence Interval for Mean	Lower Bound	23.0726	
		Upper Bound	32.2649	
	5% Trimmed Mean		27.0600	
	Median		22.8350	
	Variance		162.515	
	Std. Deviation		12.74815	
	Minimum		14.00	
	Maximum		52.67	
	Range		38.67	
	Interquartile Range		20.59	
	Skewness		.640	.414
	Kurtosis		-1.011	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 1	.226	32	.000	.864	32	.001

a. Lilliefors Significance Correction

TIO Hari 1

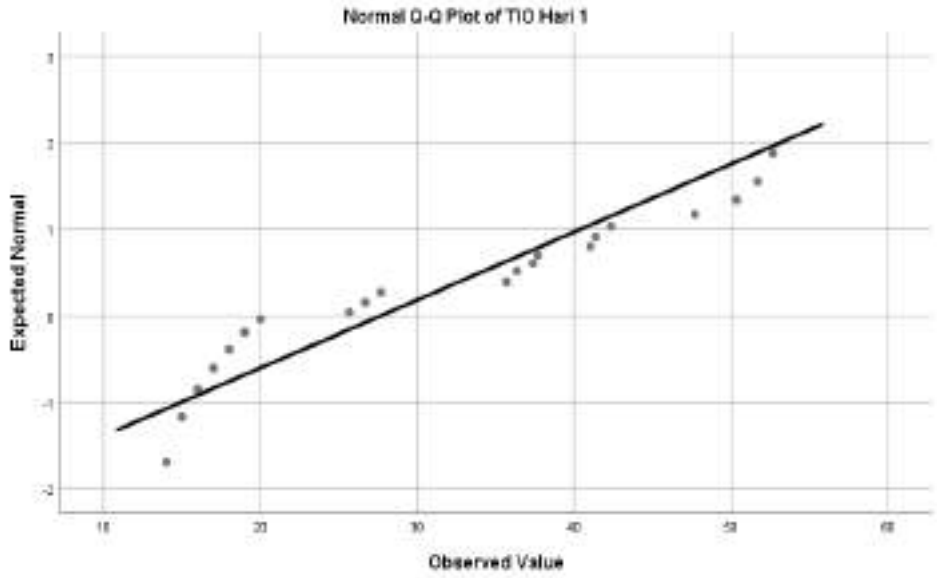
TIO Hari 1 Stem-and-Leaf Plot

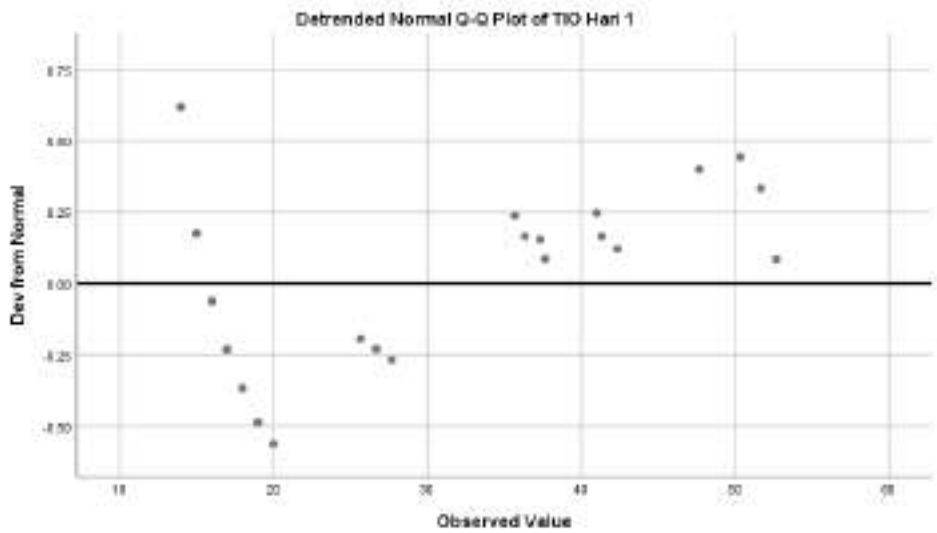
Frequency Stem & Leaf

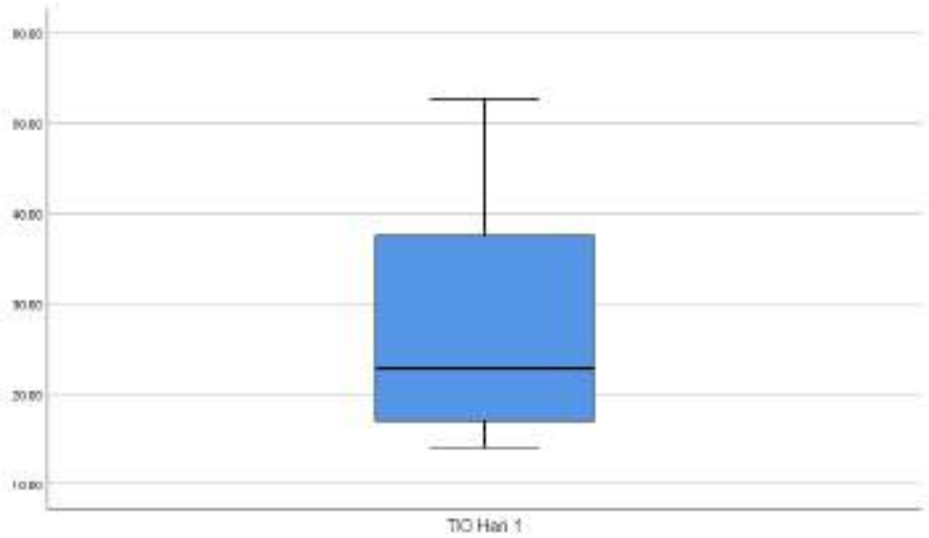
2,00 1 . 44
13,00 1 . 5556677788999

1,00	2 .	0
4,00	2 .	5667
,00	3 .	
5,00	3 .	55677
3,00	4 .	112
1,00	4 .	7
3,00	5 .	012

Stem width: 10,00
Each leaf: 1 case(s)







Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TIO Hari 3	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
TIO Hari 3	Mean		23.5741	1.61807
	95% Confidence Interval for Mean	Lower Bound	20.2740	
		Upper Bound	26.8741	
	5% Trimmed Mean		23.0080	
	Median		21.0000	
	Variance		83.781	
	Std. Deviation		9.15321	
	Minimum		13.00	
	Maximum		46.34	
	Range		33.34	
	Interquartile Range		15.00	
	Skewness		.676	.414
	Kurtosis		-.523	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 3	.232	32	.000	.887	32	.003

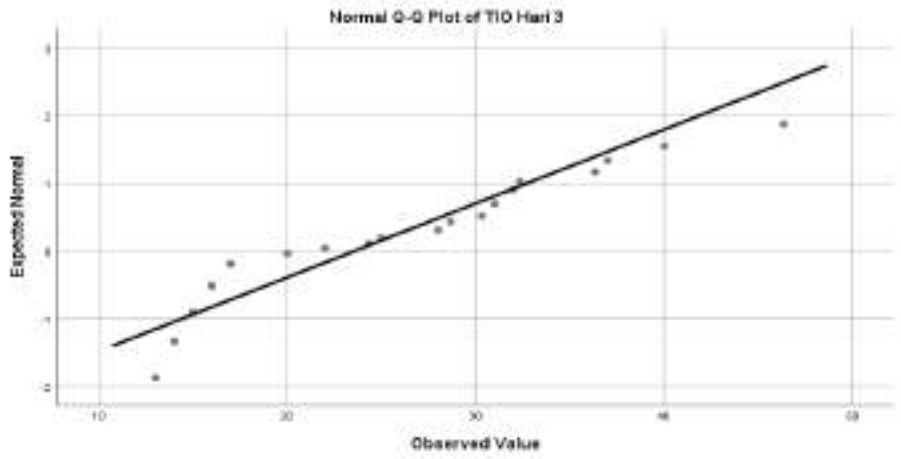
a. Lilliefors Significance Correction

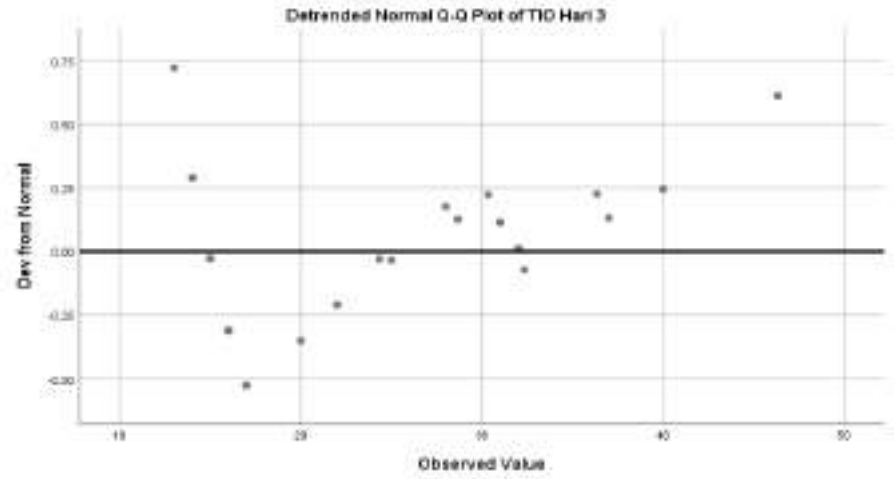
TIO Hari 3

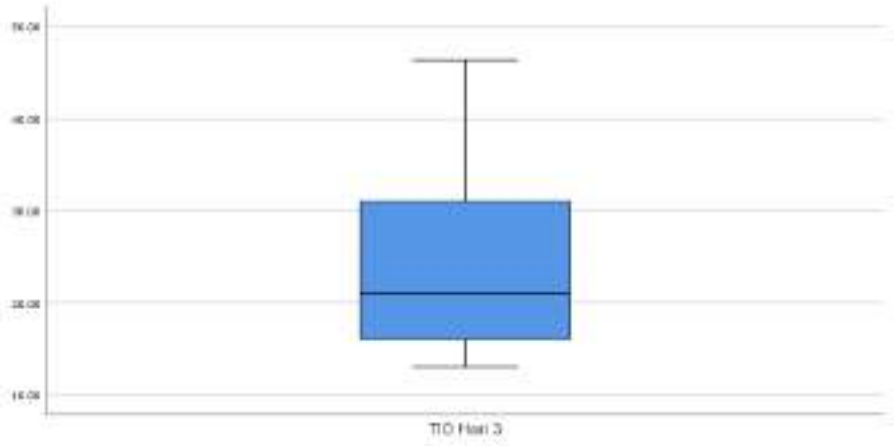
TIO Hari 3 Stem-and-Leaf Plot

Frequency	Stem & Leaf
4,00	1 . 3444
11,00	1 . 55566666777
3,00	2 . 024
4,00	2 . 5888
6,00	3 . 011122
2,00	3 . 67
1,00	4 . 0
1,00	4 . 6

Stem width: 10,00
Each leaf: 1 case(s)







Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TIO Hari 5	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
TIO Hari 5	Mean		19.8756	1.10219
	95% Confidence Interval for Mean	Lower Bound	17.6277	
		Upper Bound	22.1236	
	5% Trimmed Mean		19.3013	
	Median		19.0000	
	Variance		38.875	

	Std. Deviation	6.23495	
	Minimum	12.00	
	Maximum	43.34	
	Range	31.34	
	Interquartile Range	5.50	
	Skewness	1.840	.414
	Kurtosis	5.364	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 5	.178	32	.011	.855	32	.001

a. Lilliefors Significance Correction

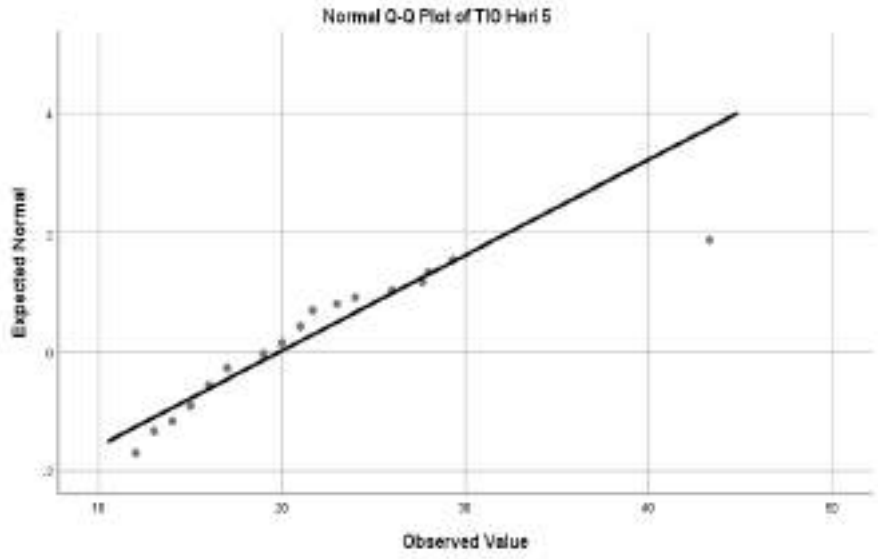
TIO Hari 5

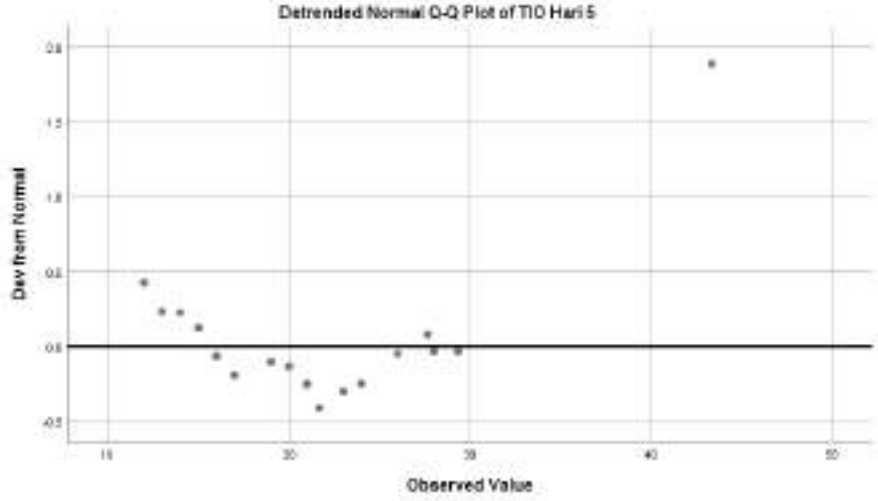
TIO Hari 5 Stem-and-Leaf Plot

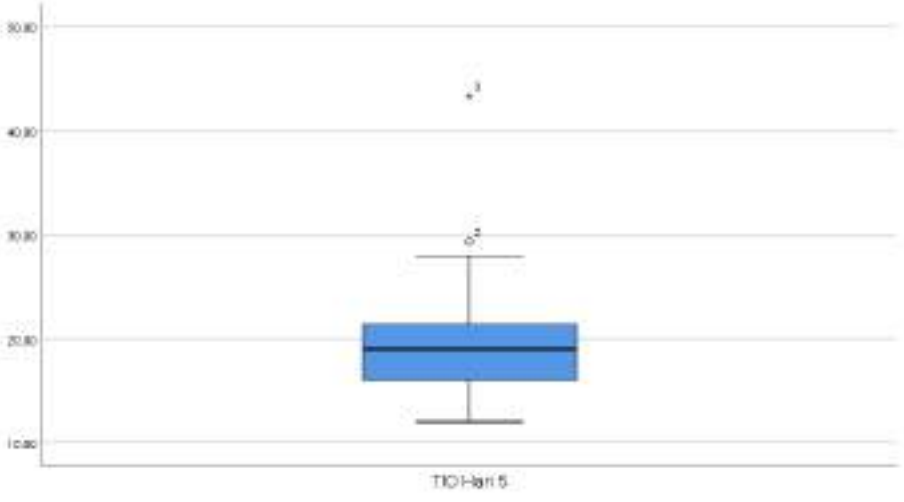
Frequency Stem & Leaf

,00 1 .
3,00 1 . 223
4,00 1 . 4555
7,00 1 . 6666777
3,00 1 . 999
8,00 2 . 00111111
1,00 2 . 3
1,00 2 . 4
2,00 2 . 67
1,00 2 . 8
2,00 Extremes (>=29)

Stem width: 10,00
Each leaf: 1 case(s)


Normal Q-Q Plot of TIO Hari 5
Expected Normal
Observed Value


Detrended Normal Q-Q Plot of TIO Hari 5
Dev from Normal
Observed Value


TIO Hari 5

Explore
Pengelompokkan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Pengelompokkan	N	Percent	N	Percent	N	Percent
TIO Hari 5	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%

Descriptives

	Pengelompokkan			Statistic	Std. Error
TIO Hari 5	Induksi	Mean		23.8138	1.60194
		95% Confidence Interval for Mean	Lower Bound	20.3993	
			Upper Bound	27.2282	
		5% Trimmed Mean		23.2186	
		Median		21.3350	
		Variance		41.060	
		Std. Deviation		6.40778	
		Minimum		15.00	
		Maximum		43.34	
		Range		28.34	
		Interquartile Range		7.00	
		Skewness		1.954	.564
		Kurtosis		5.400	1.091
	Control	Mean		15.9375	.62229
		95% Confidence Interval for Mean	Lower Bound	14.6111	
			Upper Bound	17.2639	
		5% Trimmed Mean		15.8750	
		Median		16.0000	
		Variance		6.196	
		Std. Deviation		2.48914	
		Minimum		12.00	
		Maximum		21.00	
		Range		9.00	
		Interquartile Range		2.75	
		Skewness		.170	.564
		Kurtosis		-.056	1.091

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengelompokkan	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 5	Induksi	.194	16	.112	.814	16	.004
	Control	.147	16	.200*	.958	16	.633

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

a. Lilliefors Significance Correction

TIO Hari 5

Stem-and-Leaf Plots

TIO Hari 5 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

,00 1 .
2,00 1 . 59
9,00 2 . 001111134
4,00 2 . 6789
1,00 Extremes (>=43)

Stem width: 10,00
Each leaf: 1 case(s)

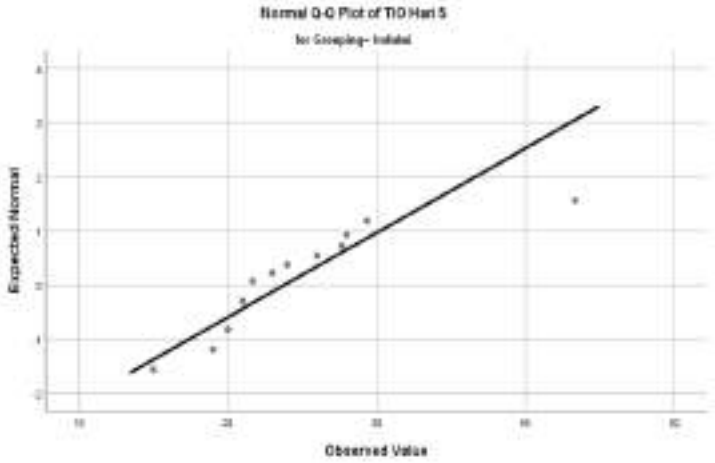
TIO Hari 5 Stem-and-Leaf Plot for
Grouping= Control

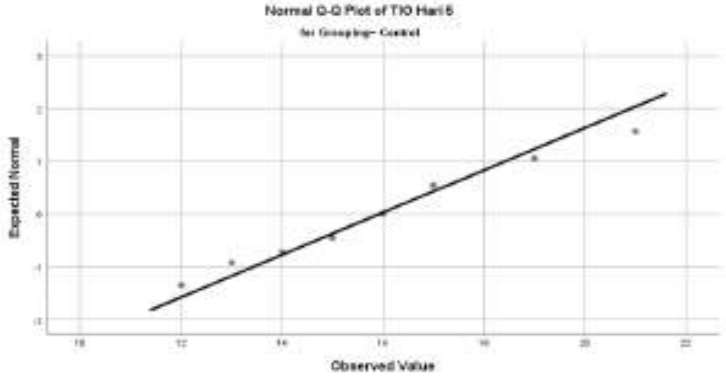
Frequency Stem & Leaf

2,00 12 . 00
1,00 13 . 0
1,00 14 . 0
2,00 15 . 00
4,00 16 . 0000
3,00 17 . 000
,00 18 .
2,00 19 . 00
1,00 Extremes (>=21,0)

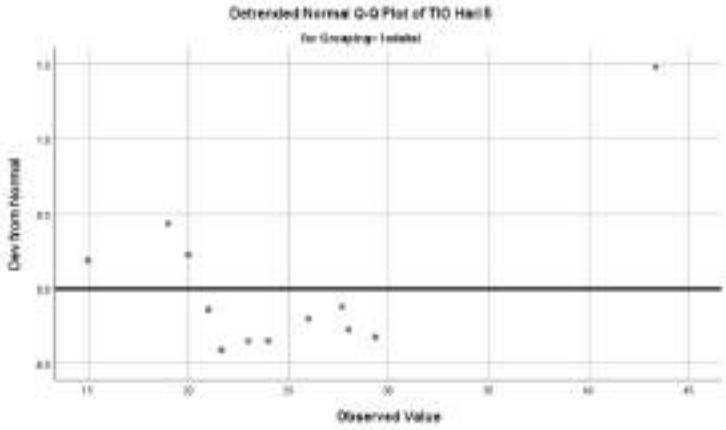
Stem width: 1,00
Each leaf: 1 case(s)

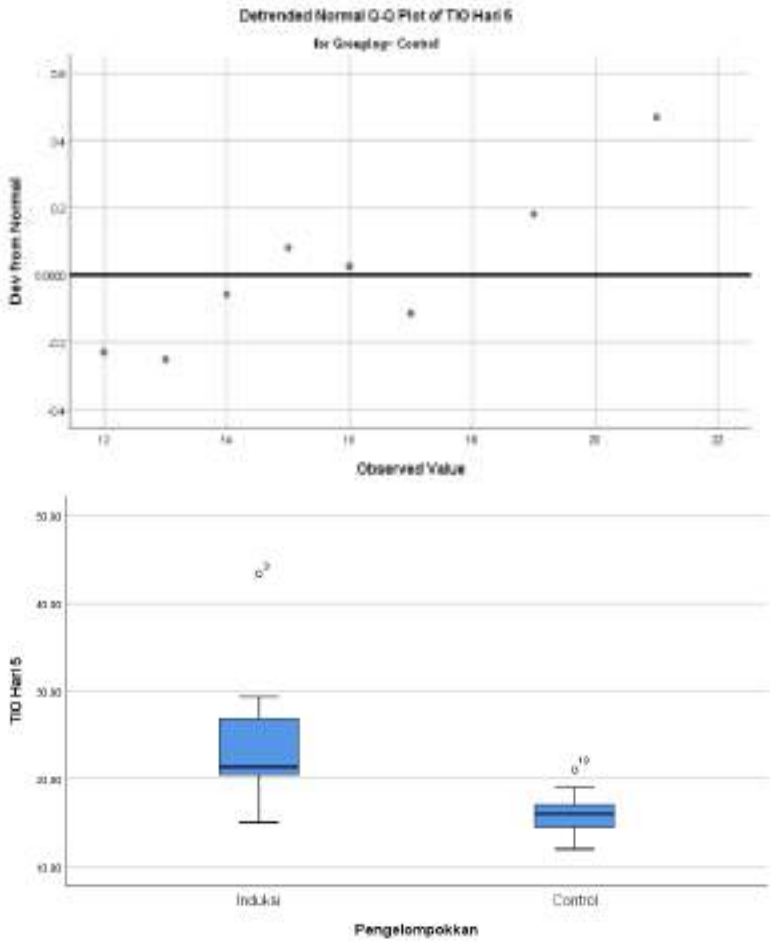
Normal Q-Q Plots





Detrended Normal Q-Q Plots





Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TIO Hari 7	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
TIO Hari 7	Mean		18.0838	.77930
	95% Confidence Interval for Mean	Lower Bound	16.4944	
		Upper Bound	19.6731	
	5% Trimmed Mean		17.9006	
	Median		17.5000	
	Variance		19.434	
	Std. Deviation		4.40838	
	Minimum		10.34	
	Maximum		29.00	

	Range	18.66	
	Interquartile Range	6.00	
	Skewness	.581	.414
	Kurtosis	.306	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 7	.098	32	.200*	.966	32	.400

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

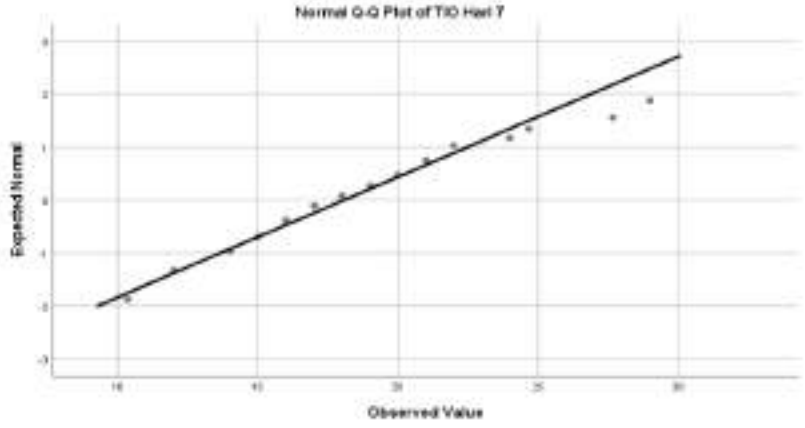
a. Lilliefors Significance Correction

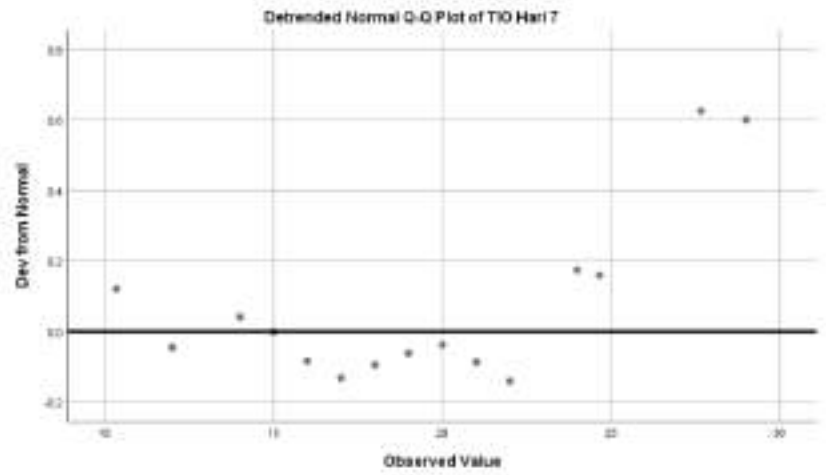
TIO Hari 7

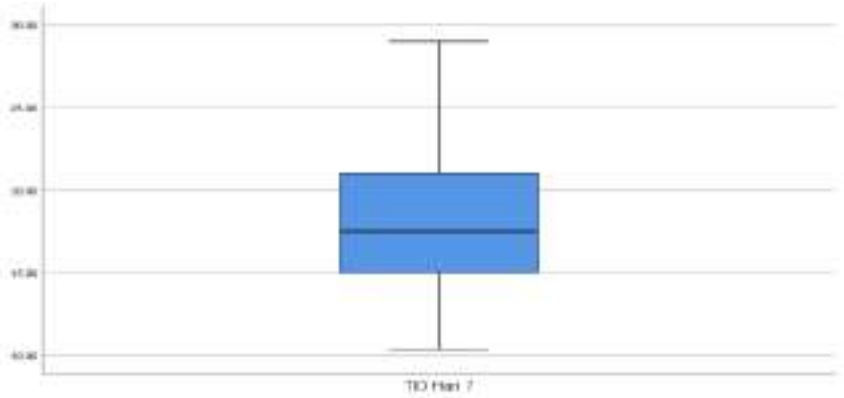
TIO Hari 7 Stem-and-Leaf Plot

Frequency	Stem & Leaf
1,00	1 . 0
3,00	1 . 222
5,00	1 . 44555
7,00	1 . 6666777
5,00	1 . 88999
6,00	2 . 001111
1,00	2 . 2
2,00	2 . 44
1,00	2 . 7
1,00	2 . 9

Stem width: 10,00
Each leaf: 1 case(s)







Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
IL-6 Hari 1	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
IL-6 Hari 1	Mean		2.41862	.134833
	95% Confidence Interval for Mean	Lower Bound	2.14362	
		Upper Bound	2.69361	
	5% Trimmed Mean		2.32952	
	Median		2.13770	
	Variance		.582	
	Std. Deviation		.762732	
	Minimum		1.684	
	Maximum		5.305	

	Range	3.621	
	Interquartile Range	.918	
	Skewness	2.114	.414
	Kurtosis	5.738	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IL-6 Hari 1	.177	32	.012	.786	32	.000

a. Lilliefors Significance Correction

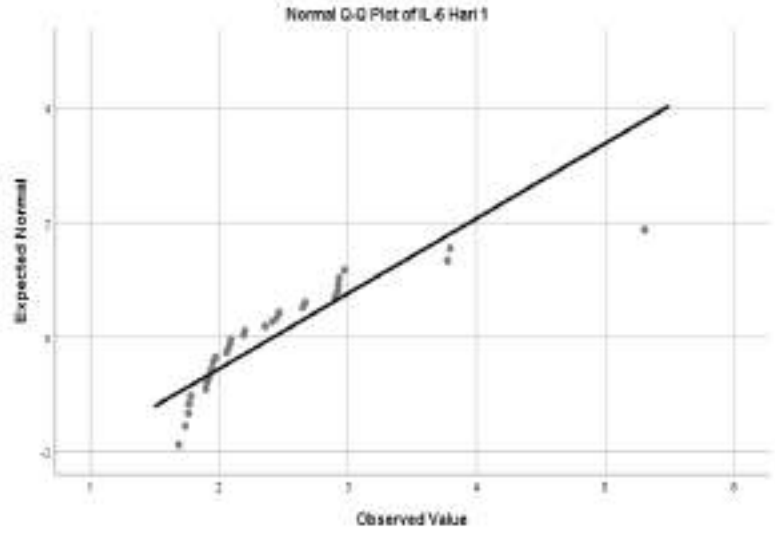
IL-6 Hari 1

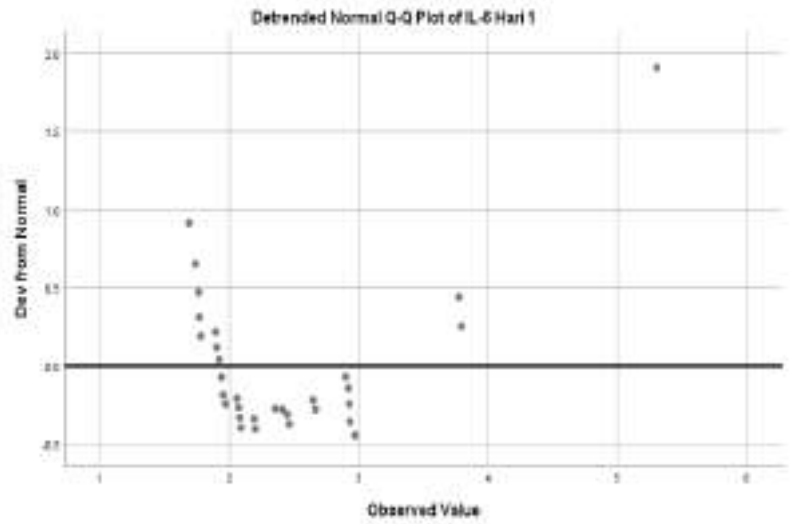
IL-6 Hari 1 Stem-and-Leaf Plot

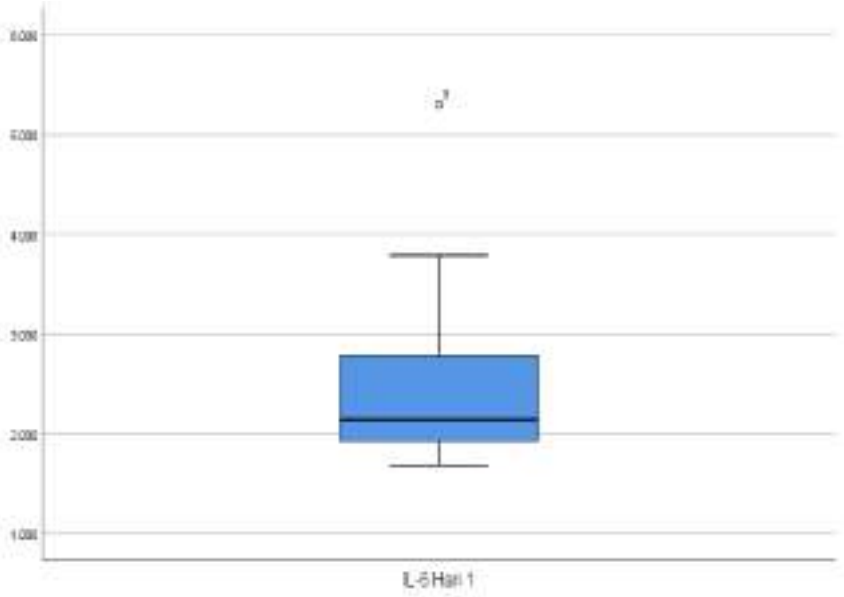
Frequency Stem & Leaf

12,00 1 . 677778899999
10,00 2 . 0000113444
7,00 2 . 6689999
,00 3 .
2,00 3 . 77
1,00 Extremes (>=5,3)

Stem width: 1,000
Each leaf: 1 case(s)







Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
IL-6 Hari 3	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
IL-6 Hari 3	Mean		2.11687	.083669
	95% Confidence Interval for Mean	Lower Bound	1.94623	
		Upper Bound	2.28752	
	5% Trimmed Mean		2.08353	

	Median	1.98582	
	Variance	.224	
	Std. Deviation	.473301	
	Minimum	1.406	
	Maximum	3.445	
	Range	2.039	
	Interquartile Range	.500	
	Skewness	1.311	.414
	Kurtosis	1.563	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IL-6 Hari 3	.191	32	.004	.883	32	.002

a. Lilliefors Significance Correction

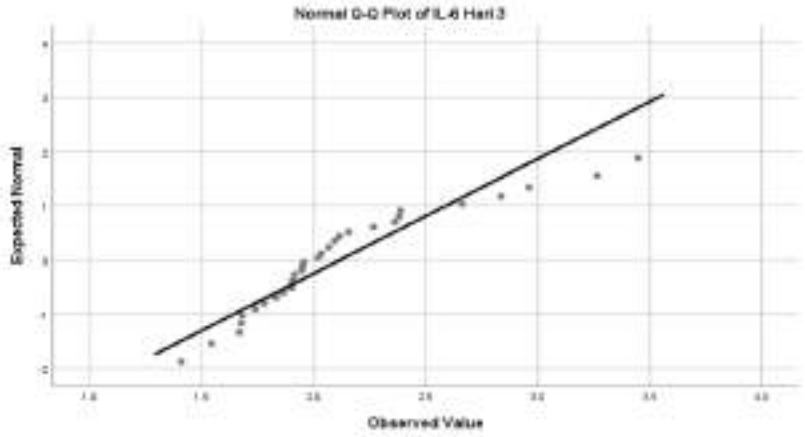
IL-6 Hari 3

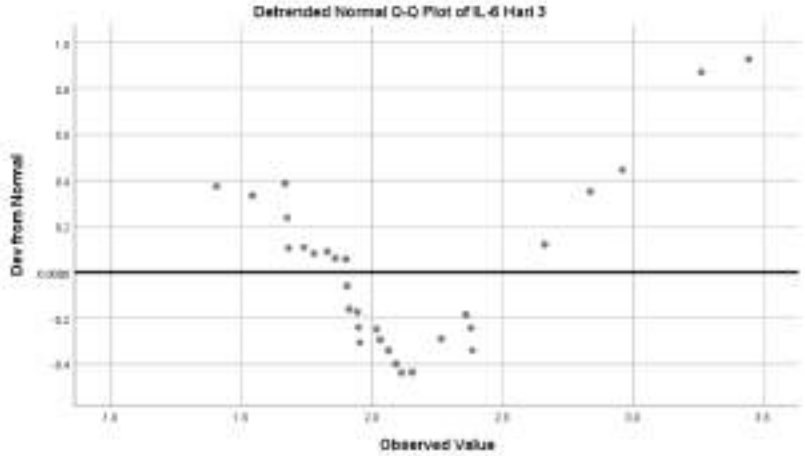
IL-6 Hari 3 Stem-and-Leaf Plot

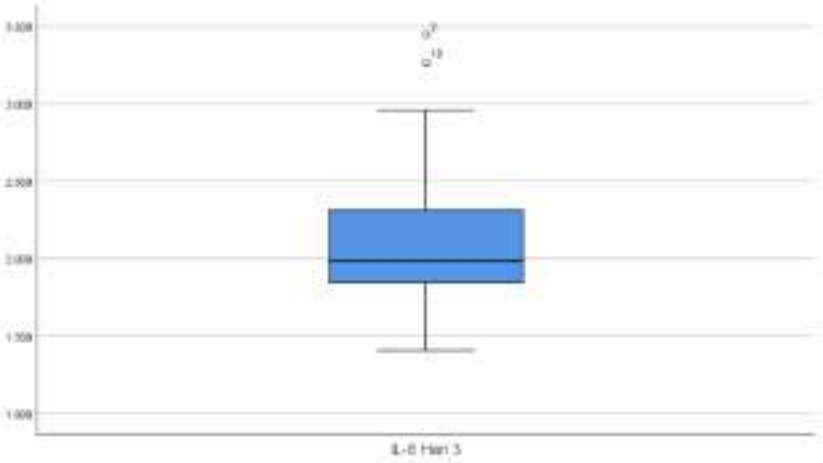
Frequency Stem & Leaf

2,00 1 . 45
5,00 1 . 66677
9,00 1 . 888999999
7,00 2 . 0000011
4,00 2 . 2333
,00 2 .
1,00 2 . 6
2,00 2 . 89
2,00 Extremes (>=3,3)

Stem width: 1,000
Each leaf: 1 case(s)







Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
IL-6 Hari 5	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
IL-6 Hari 5	Mean		1.96766	.081905
	95% Confidence Interval for Mean	Lower Bound	1.80061	
		Upper Bound	2.13470	
	5% Trimmed Mean		1.93688	
	Median		1.93123	
	Variance		.215	
	Std. Deviation		.463324	
	Minimum		1.368	
	Maximum		3.115	
	Range		1.747	
	Interquartile Range		.493	
	Skewness		1.053	.414
	Kurtosis		.962	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IL-6 Hari 5	.187	32	.006	.899	32	.006

a. Lilliefors Significance Correction

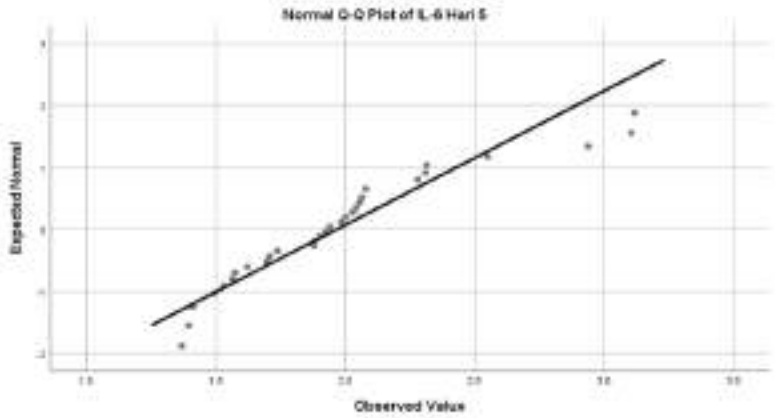
IL-6 Hari 5

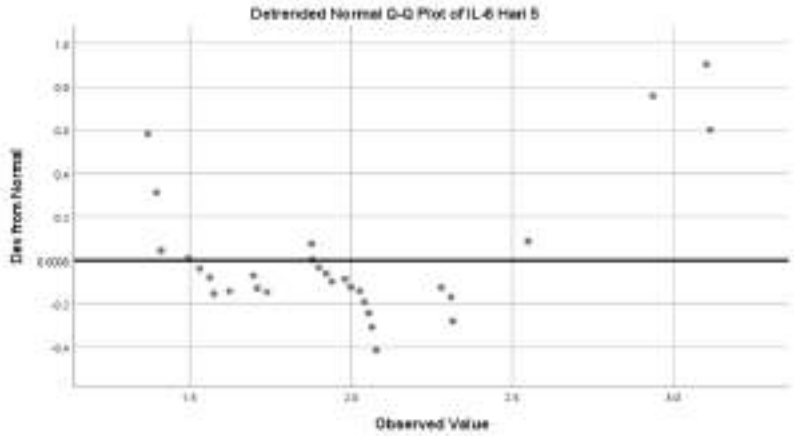
IL-6 Hari 5 Stem-and-Leaf Plot

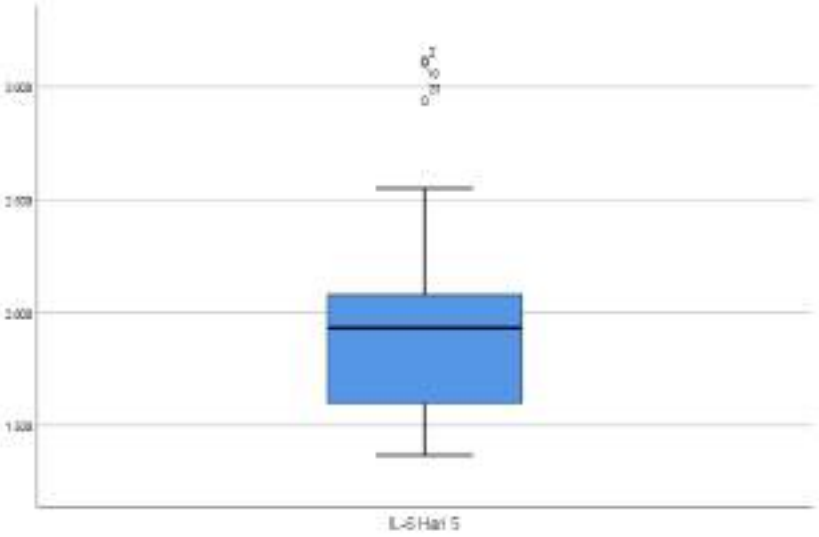
Frequency Stem & Leaf

2,00 1 . 33
6,00 1 . 444555
4,00 1 . 6677
7,00 1 . 8889999
6,00 2 . 000000
3,00 2 . 233
1,00 2 . 5
3,00 Extremes (>=2,9)

Stem width: 1,000
Each leaf: 1 case(s)







Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent

IL-6 Hari 7	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
IL-6 Hari 7	Mean		1.91199	.063630
	95% Confidence Interval for Mean	Lower Bound	1.78221	
		Upper Bound	2.04176	
	5% Trimmed Mean		1.88583	
	Median		1.89761	
	Variance		.130	
	Std. Deviation		.359948	
	Minimum		1.471	
	Maximum		2.920	
	Range		1.449	
	Interquartile Range		.533	
	Skewness		1.024	.414
	Kurtosis		.736	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IL-6 Hari 7	.155	32	.049	.908	32	.010

a. Lilliefors Significance Correction

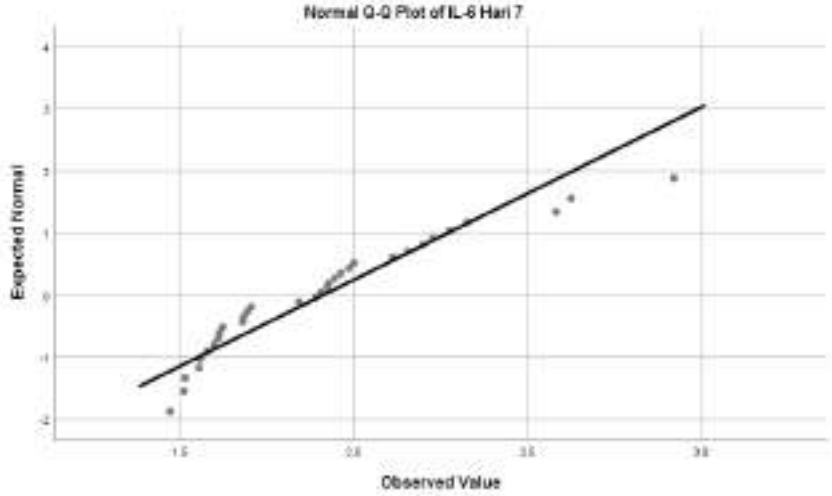
IL-6 Hari 7

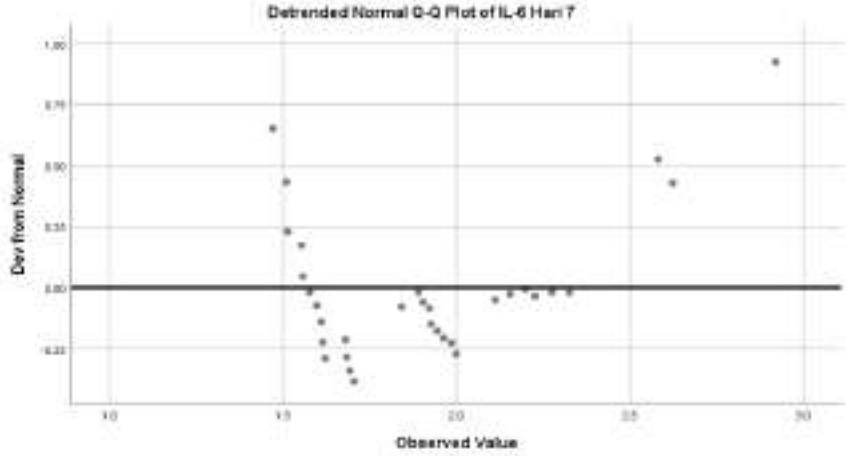
IL-6 Hari 7 Stem-and-Leaf Plot

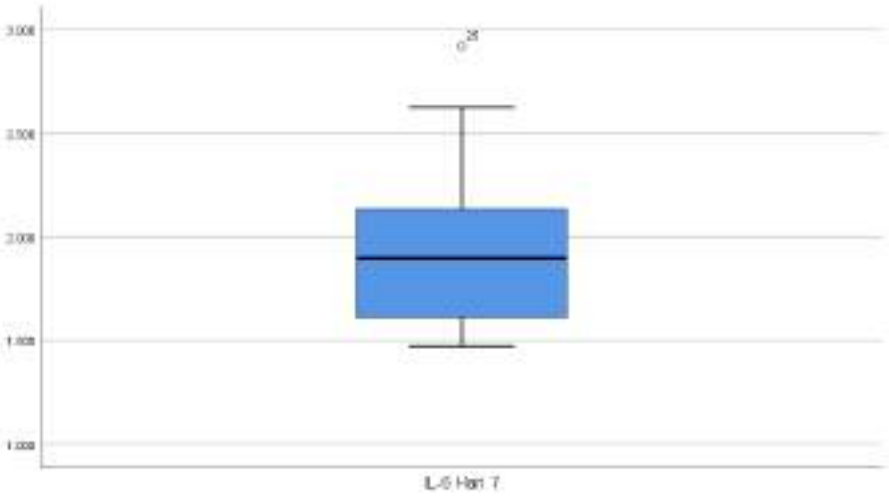
Frequency Stem & Leaf

7,00 1 . 4555555
7,00 1 . 6666667
9,00 1 . 889999999
3,00 2 . 111
3,00 2 . 223
1,00 2 . 5
1,00 2 . 6
1,00 Extremes (>=2,9)

Stem width: 1,000
Each leaf: 1 case(s)


Normal Q-Q Plot of IL-6 Hari 7
Expected Normal
Observed Value


Detrended Normal Q-Q Plot of IL-6 Hari 7
Dev from Normal
Observed Value


IL-6 Hari 7

Explore

Pengelompokkan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Pengelompokkan	N	Percent	N	Percent	N	Percent
TIO Hari 1	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%
TIO Hari 3	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%
TIO Hari 5	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%
TIO Hari 7	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%

Descriptives

	Pengelompokkan			Statistic	Std. Error
TIO Hari 1	Induksi	Mean		38.5250	2.24729
		95% Confidence Interval for Mean	Lower Bound	33.7350	
			Upper Bound	43.3150	
		5% Trimmed Mean		38.4533	
		Median		37.5050	
		Variance		80.805	
		Std. Deviation		8.98917	
		Minimum		25.67	
		Maximum		52.67	
		Range		27.00	
		Interquartile Range		16.67	
		Skewness		.085	.564
		Kurtosis		-1.000	1.091
	Control	Mean		16.8125	.47626
		95% Confidence Interval for Mean	Lower Bound	15.7974	
			Upper Bound	17.8276	
		5% Trimmed Mean		16.7917	
		Median		17.0000	
		Variance		3.629	
		Std. Deviation		1.90504	
		Minimum		14.00	
		Maximum		20.00	

		Range		6.00	
		Interquartile Range		3.75	
		Skewness		.041	.564
		Kurtosis		-1.180	1.091
TIO Hari 3	Induksi	Mean		31.4606	1.53494
		95% Confidence Interval for Mean	Lower Bound	28.1890	
			Upper Bound	34.7323	
		5% Trimmed Mean		31.1596	
		Median		31.0000	
		Variance		37.697	
		Std. Deviation		6.13977	
		Minimum		22.00	
		Maximum		46.34	
		Range		24.34	
		Interquartile Range		7.34	
		Skewness		.863	.564
		Kurtosis		1.095	1.091
	Control	Mean		15.6875	.41552
		95% Confidence Interval for Mean	Lower Bound	14.8018	
			Upper Bound	16.5732	
		5% Trimmed Mean		15.5972	
		Median		16.0000	
		Variance		2.763	
		Std. Deviation		1.66208	
		Minimum		13.00	
		Maximum		20.00	
		Range		7.00	
		Interquartile Range		2.50	
		Skewness		.868	.564
		Kurtosis		1.931	1.091
TIO Hari 5	Induksi	Mean		23.8138	1.60194
		95% Confidence Interval for Mean	Lower Bound	20.3993	
			Upper Bound	27.2282	
		5% Trimmed Mean		23.2186	
		Median		21.3350	
		Variance		41.060	
		Std. Deviation		6.40778	
		Minimum		15.00	
		Maximum		43.34	
		Range		28.34	
		Interquartile Range		7.00	

		Skewness		1.954	.564
		Kurtosis		5.400	1.091
	Control	Mean		15.9375	.62229
		95% Confidence Interval for Mean	Lower Bound	14.6111	
			Upper Bound	17.2639	
		5% Trimmed Mean		15.8750	
		Median		16.0000	
		Variance		6.196	
		Std. Deviation		2.48914	
		Minimum		12.00	
		Maximum		21.00	
		Range		9.00	
		Interquartile Range		2.75	
		Skewness		.170	.564
		Kurtosis		-.056	1.091
TIO Hari 7	Induksi	Mean		20.6050	1.19565
		95% Confidence Interval for Mean	Lower Bound	18.0565	
			Upper Bound	23.1535	
		5% Trimmed Mean		20.7089	
		Median		21.0000	
		Variance		22.873	
		Std. Deviation		4.78259	
		Minimum		10.34	
		Maximum		29.00	
		Range		18.66	
		Interquartile Range		4.50	
		Skewness		-.482	.564
		Kurtosis		.960	1.091
	Control	Mean		15.5625	.48278
		95% Confidence Interval for Mean	Lower Bound	14.5335	
			Upper Bound	16.5915	
		5% Trimmed Mean		15.5694	
		Median		16.0000	
		Variance		3.729	
		Std. Deviation		1.93111	
		Minimum		12.00	
		Maximum		19.00	
		Range		7.00	
		Interquartile Range		2.75	
		Skewness		-.362	.564
		Kurtosis		.033	1.091

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengelompokkan	Statistic	df	Sig.	Statistic	df	Sig.
TIO Hari 1	Induksi	.136	16	.200*	.928	16	.226
	Control	.142	16	.200*	.941	16	.362
TIO Hari 3	Induksi	.193	16	.113	.944	16	.399
	Control	.175	16	.200*	.918	16	.158
TIO Hari 5	Induksi	.194	16	.112	.814	16	.004
	Control	.147	16	.200*	.958	16	.633
TIO Hari 7	Induksi	.181	16	.168	.927	16	.222
	Control	.152	16	.200*	.953	16	.540

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

a. Lilliefors Significance Correction

TIO Hari 1

Stem-and-Leaf Plots

TIO Hari 1 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

4,00 2 . 5667
,00 3 .
5,00 3 . 55677
3,00 4 . 112
1,00 4 . 7
3,00 5 . 012

Stem width: 10,00
Each leaf: 1 case(s)

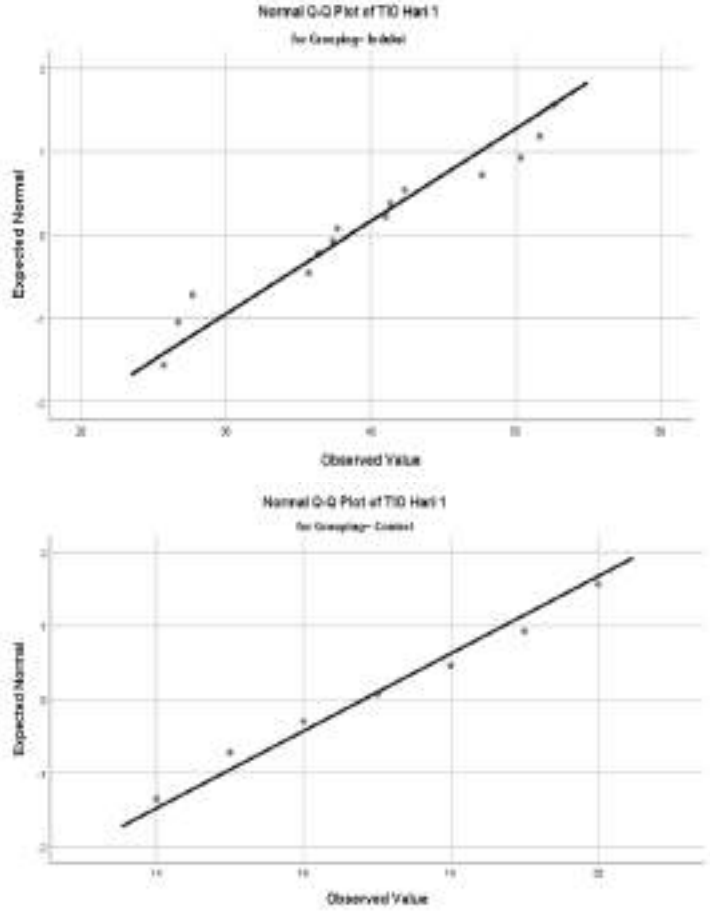
TIO Hari 1 Stem-and-Leaf Plot for
Grouping= Control

Frequency Stem & Leaf

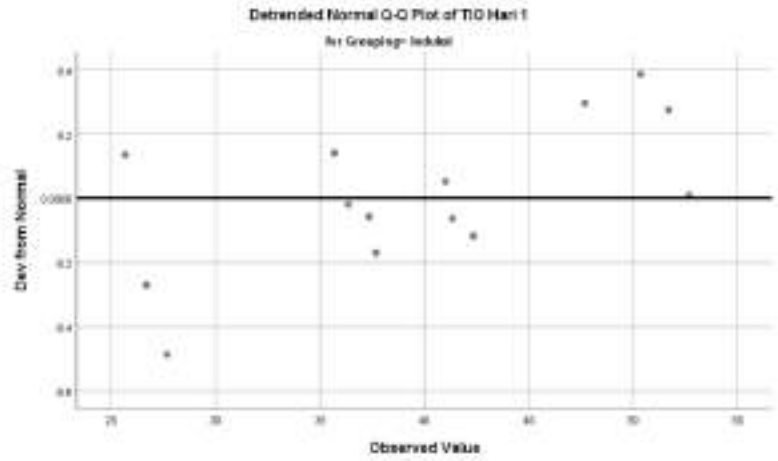
2,00 14 . 00
3,00 15 . 000
2,00 16 . 00
3,00 17 . 000
2,00 18 . 00
3,00 19 . 000
1,00 20 . 0

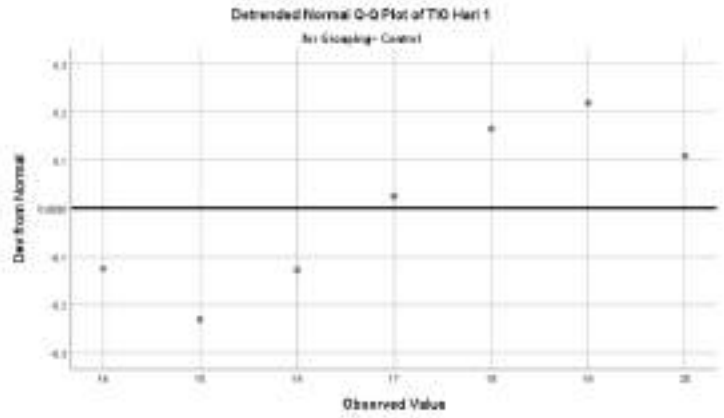
Stem width: 1,00
Each leaf: 1 case(s)

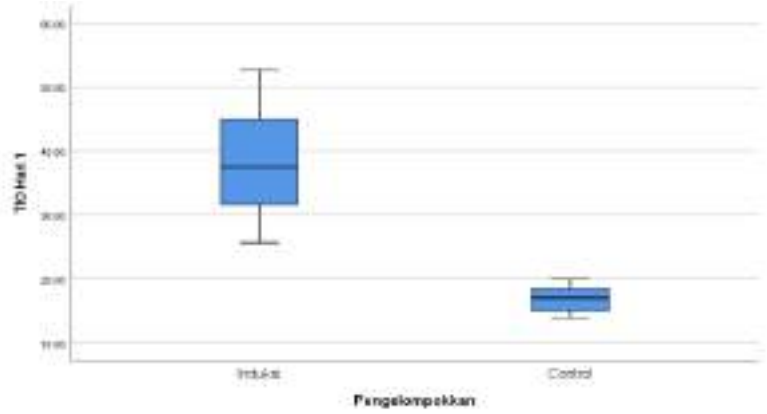
Normal Q-Q Plots



Detrended Normal Q-Q Plots







TIO Hari 3

Stem-and-Leaf Plots

TIO Hari 3 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency	Stem & Leaf
2,00	2 . 24
4,00	2 . 5888
6,00	3 . 011122
2,00	3 . 67
1,00	4 . 0
1,00 Extremes	(>=46)

Stem width: 10,00
Each leaf: 1 case(s)

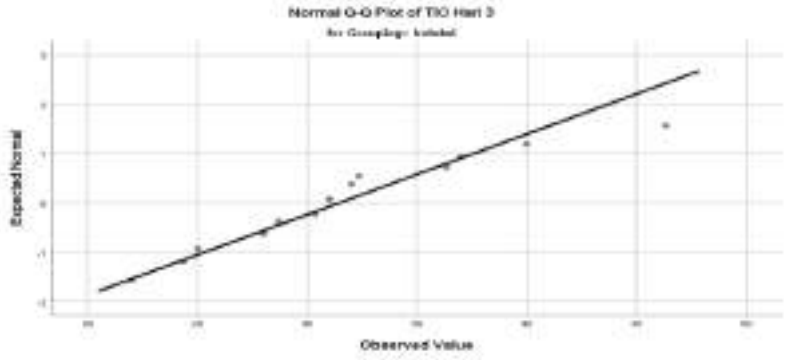
TIO Hari 3 Stem-and-Leaf Plot for
Grouping= Control

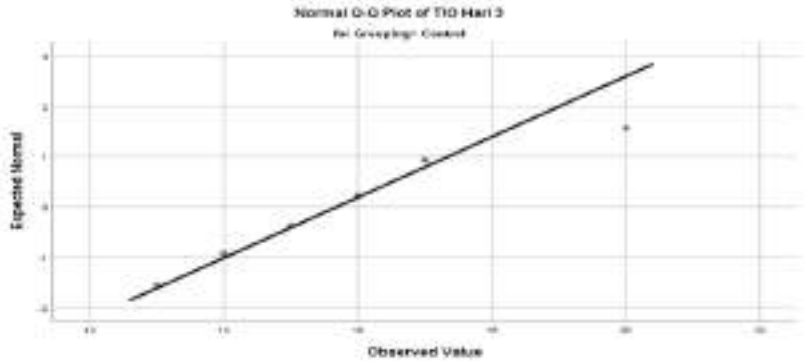
Frequency	Stem & Leaf

1,00 13 . 0
3,00 14 . 000
3,00 15 . 000
5,00 16 . 00000
3,00 17 . 000
1,00 Extremes (>=20,0)

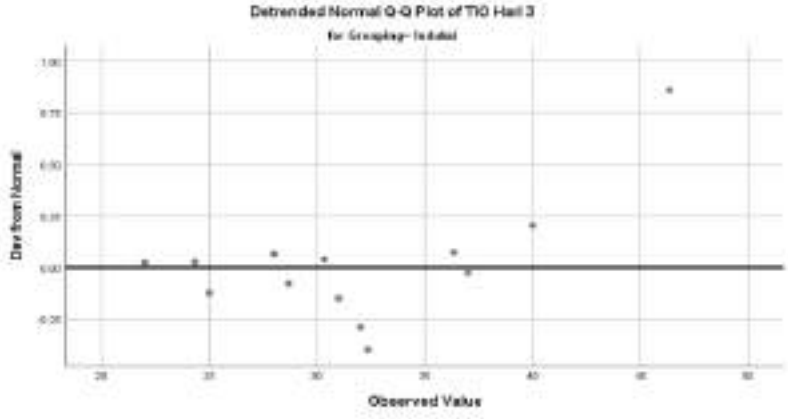
Stem width: 1,00
Each leaf: 1 case(s)

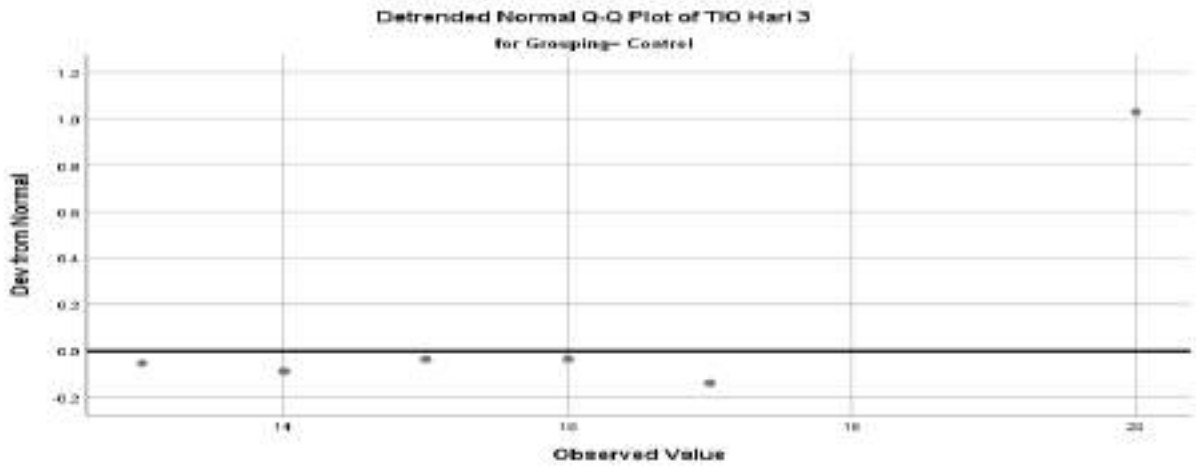
Normal Q-Q Plots

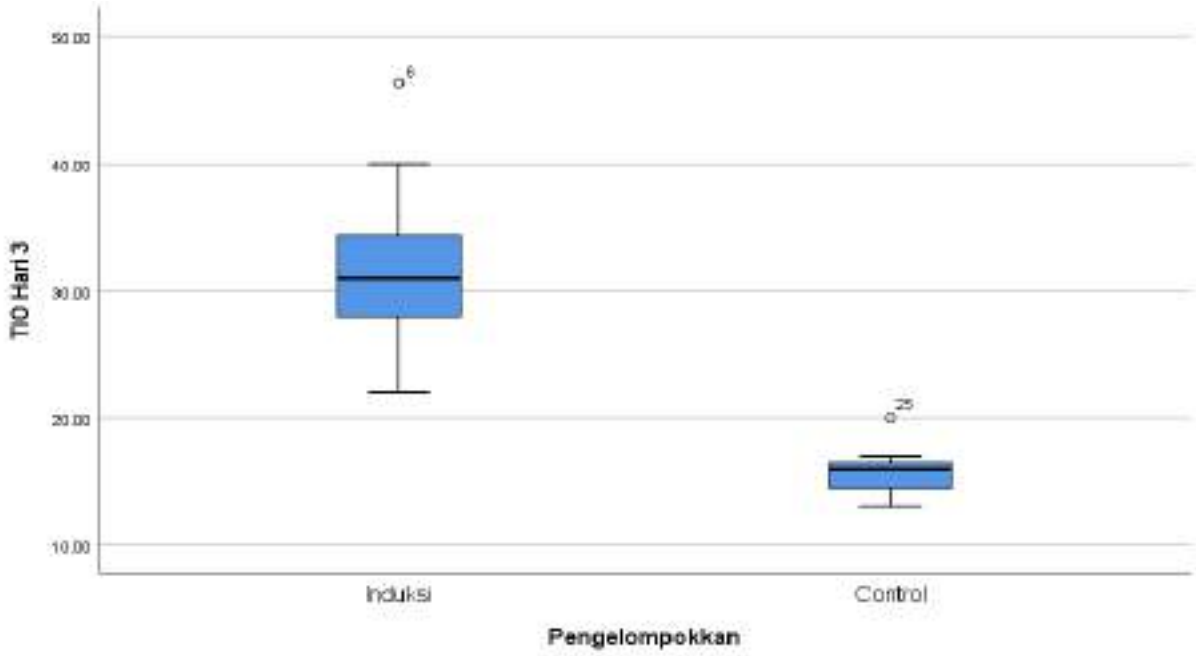




Detrended Normal Q-Q Plots







TIO Hari 5

Stem-and-Leaf Plots

TIO Hari 5 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

,00 1 .
2,00 1 . 59
9,00 2 . 001111134
4,00 2 . 6789
1,00 Extremes (>=43)

Stem width: 10,00
Each leaf: 1 case(s)

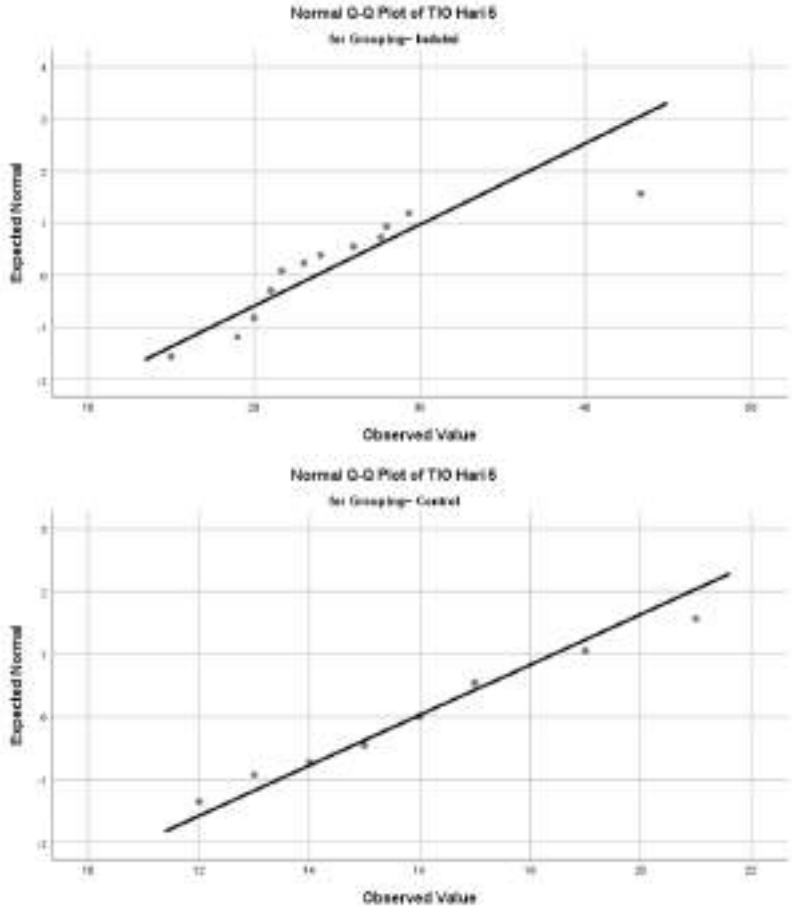
TIO Hari 5 Stem-and-Leaf Plot for
Grouping= Control

Frequency Stem & Leaf

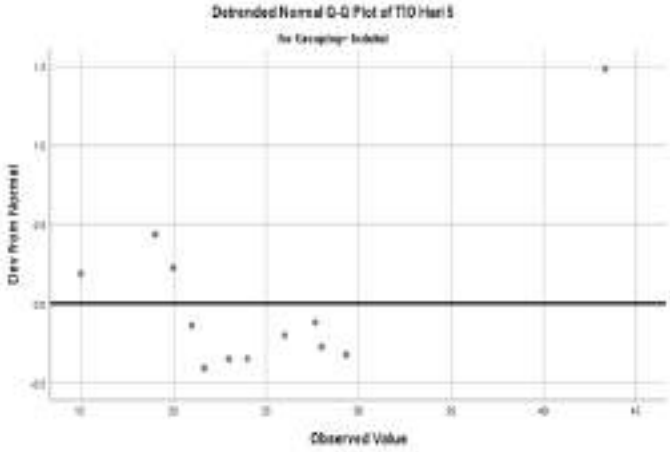
2,00 12 . 00
1,00 13 . 0
1,00 14 . 0
2,00 15 . 00
4,00 16 . 0000
3,00 17 . 000
,00 18 .
2,00 19 . 00
1,00 Extremes (>=21,0)

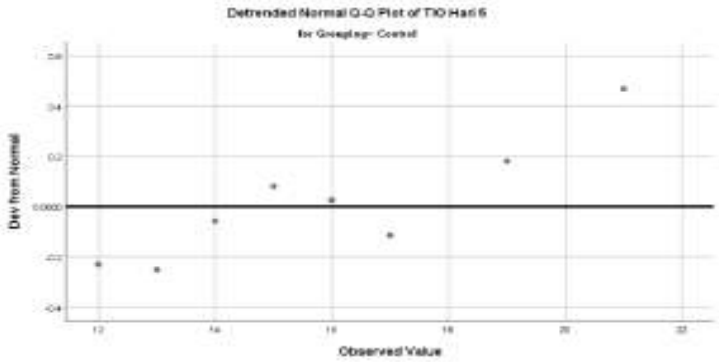
Stem width: 1,00
Each leaf: 1 case(s)

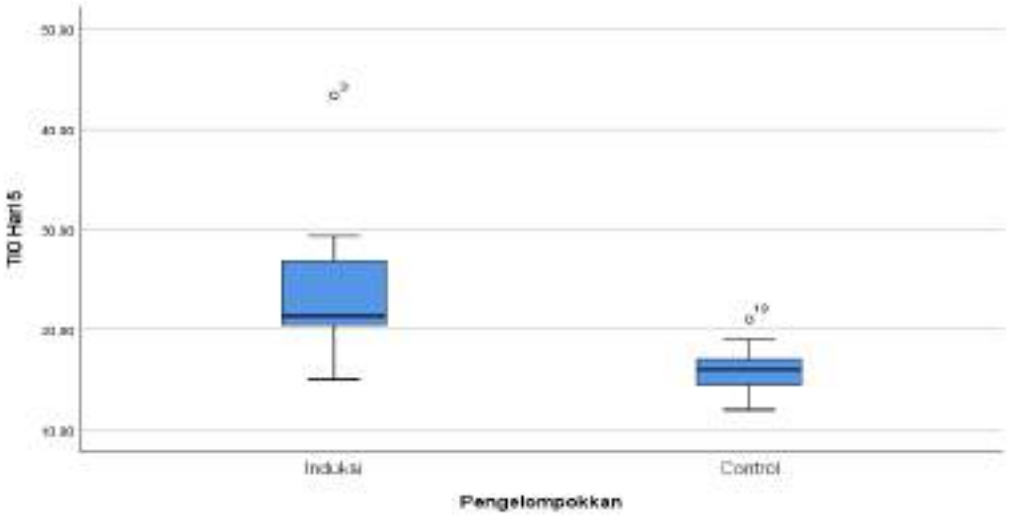
Normal Q-Q Plots



Detrended Normal Q-Q Plots







TIO Hari 7

Stem-and-Leaf Plots

TIO Hari 7 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency	Stem & Leaf
2,00	Extremes (=<12)
3,00	1 . 899
9,00	2 . 001111244
2,00	2 . 79

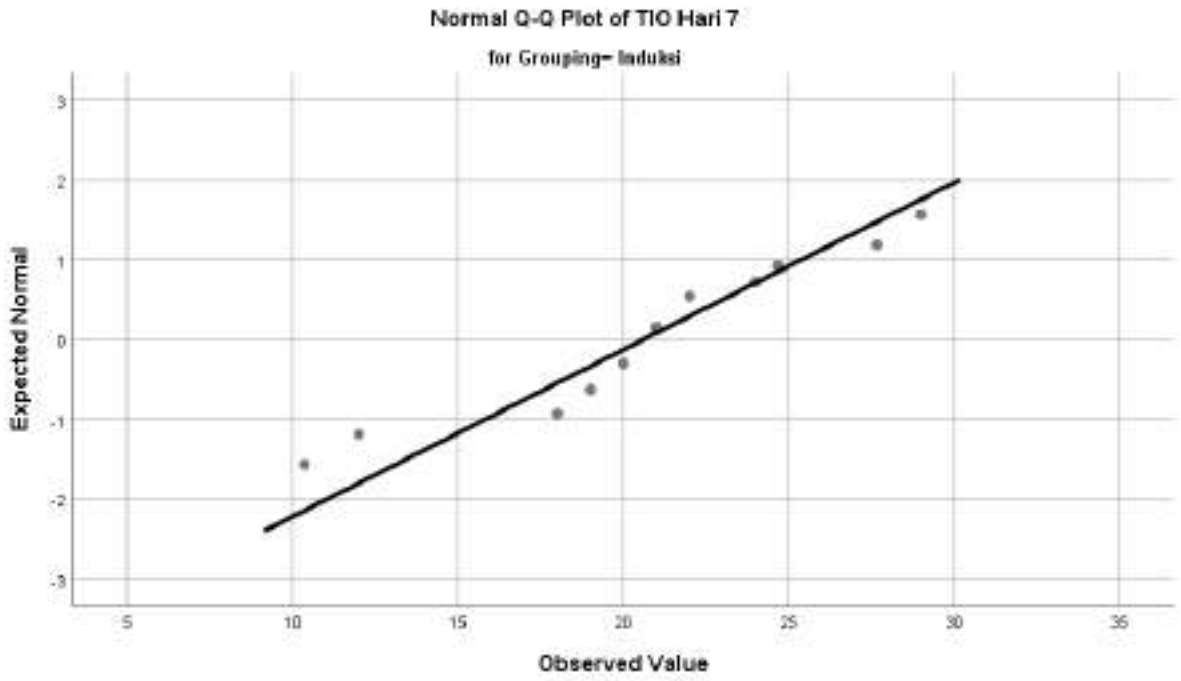
Stem width: 10,00
Each leaf: 1 case(s)

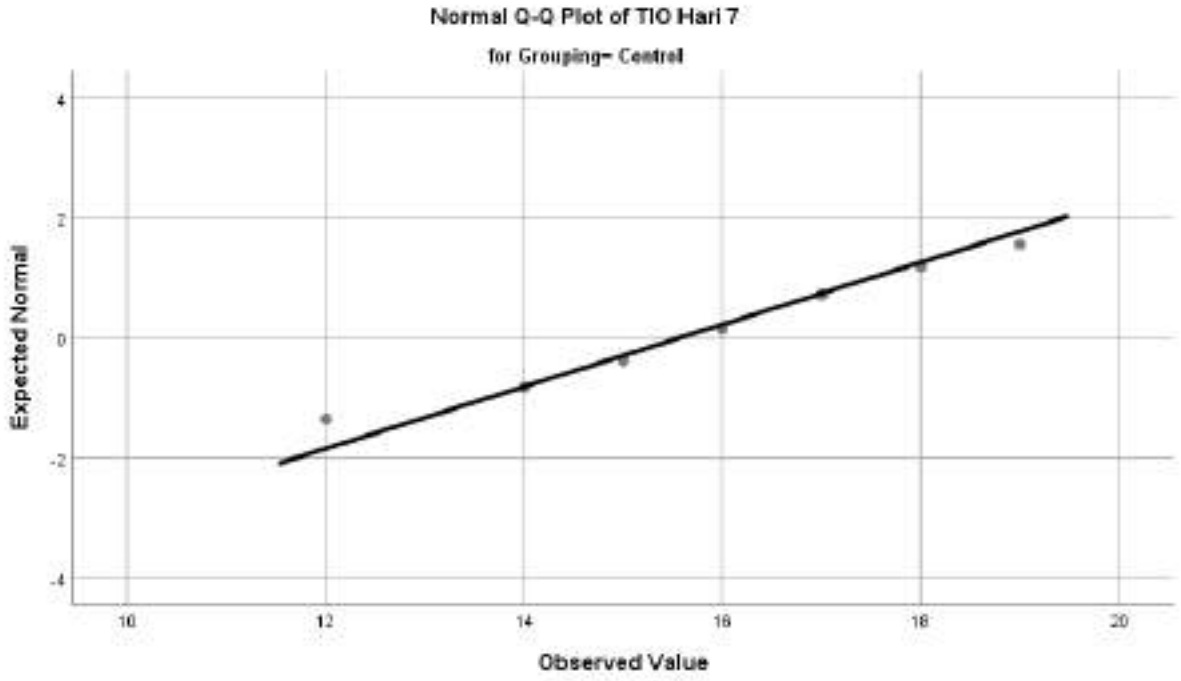
TIO Hari 7 Stem-and-Leaf Plot for
Grouping= Control

Frequency	Stem & Leaf
2,00	12 . 00
,00	13 .
2,00	14 . 00
3,00	15 . 000
4,00	16 . 0000
3,00	17 . 000
1,00	18 . 0
1,00	19 . 0

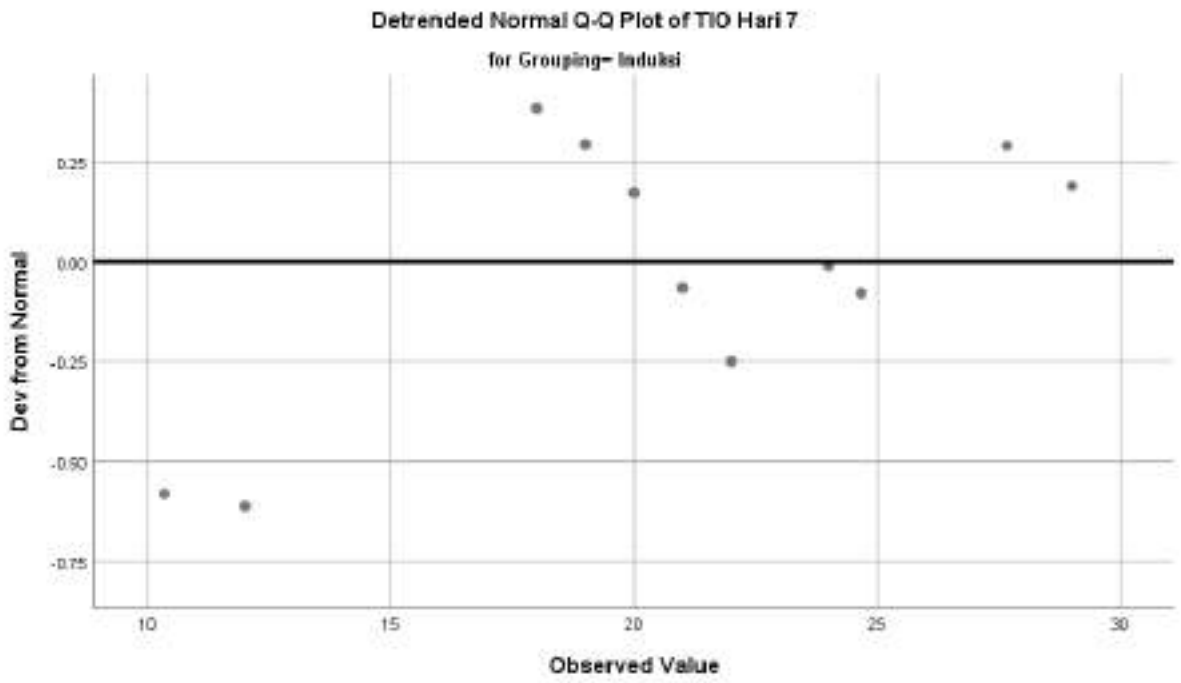
Stem width: 1,00
Each leaf: 1 case(s)

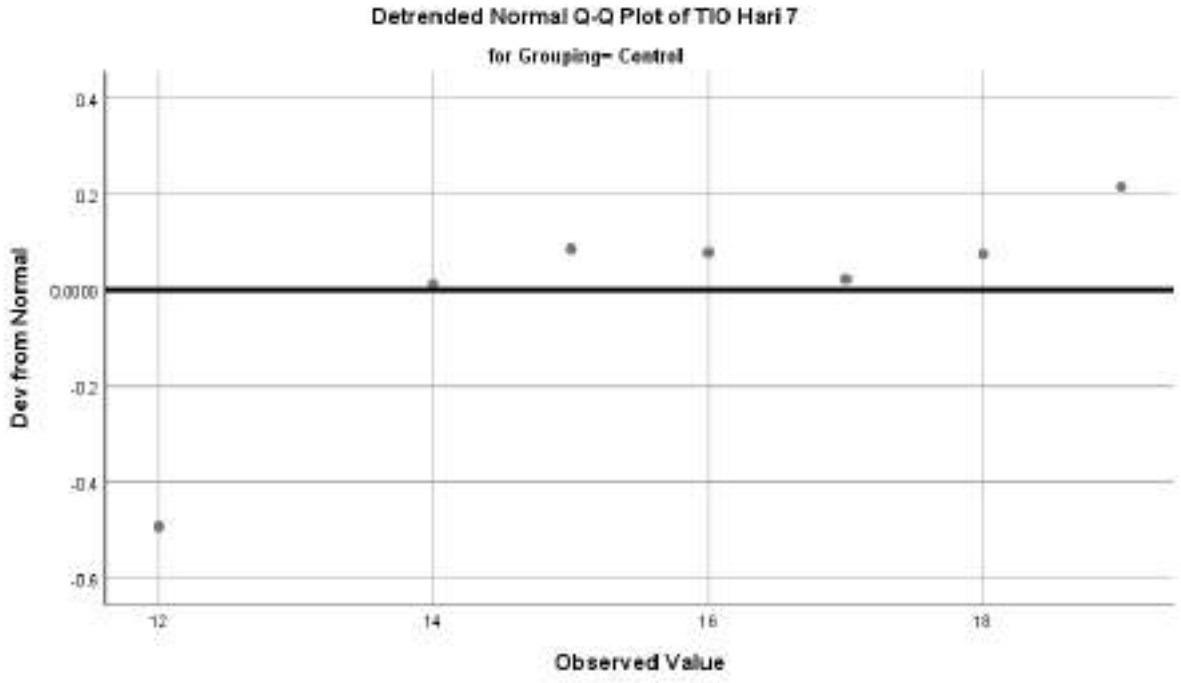
Normal Q-Q Plots

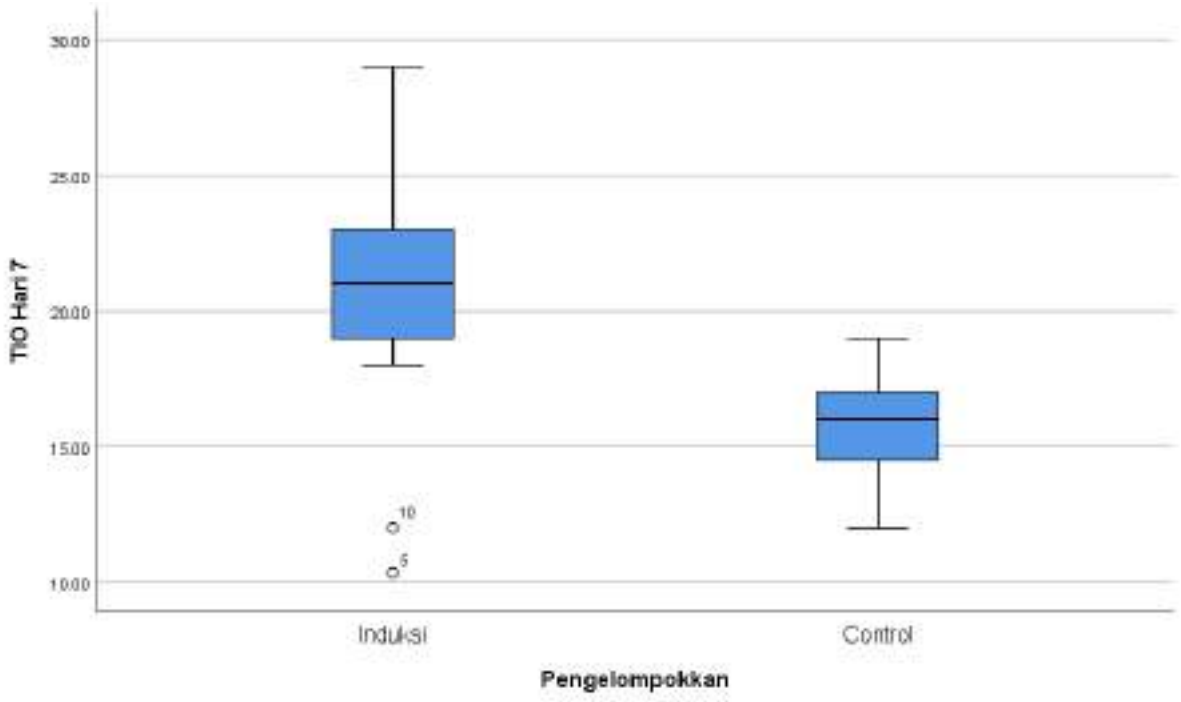




Detrended Normal Q-Q Plots


Detrended Normal Q-Q Plot of TIO Hari 7
for Grouping= Induksi
Dev from Normal
0.25
0.00
-0.25
-0.50
-0.75
10
15
20
25
30
Observed Value


Detrended Normal Q-Q Plot of TIO Hari 7
for Grouping= Control
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
12
14
16
18
Observed Value




```
EXAMINE VARIABLES=IL6_1 IL6_3 IL6_5 IL6_7 BY Grouping
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		10-NOV-2024 09:51:00
Comments		
Input	Data	E:\DATA BULANAN\November 2024\dr. Uti (Mata)\Data set.sav
	Active Dataset	DataSet1
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	32
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=IL6_1 IL6_3 IL6_5 IL6_7 BY Grouping /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:03,09
	Elapsed Time	00:00:03,08

Pengelompokkan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Pengelompokkan	N	Percent	N	Percent	N	Percent
IL-6 Hari 1	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%
IL-6 Hari 3	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%
IL-6 Hari 5	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%

IL-6 Hari 7	Induksi	16	100.0%	0	0.0%	16	100.0%
	Control	16	100.0%	0	0.0%	16	100.0%

Descriptives

	Pengelompokkan			Statistic	Std. Error
IL-6 Hari 1	Induksi	Mean		2.51769	.249194
		95% Confidence Interval for Mean	Lower Bound	1.98655	
			Upper Bound	3.04883	
		5% Trimmed Mean		2.40914	
		Median		2.08240	
		Variance		.994	
		Std. Deviation		.996776	
		Minimum		1.684	
		Maximum		5.305	
		Range		3.621	
		Interquartile Range		.958	
		Skewness		1.787	.564
		Kurtosis		3.088	1.091
	Control	Mean		2.31954	.108340
		95% Confidence Interval for Mean	Lower Bound	2.08862	
			Upper Bound	2.55046	
		5% Trimmed Mean		2.31419	
		Median		2.13770	
		Variance		.188	
		Std. Deviation		.433361	
		Minimum		1.764	
		Maximum		2.971	
		Range		1.207	
		Interquartile Range		.864	
		Skewness		.414	.564
		Kurtosis		-1.381	1.091
IL-6 Hari 3	Induksi	Mean		2.10570	.150243
		95% Confidence Interval for Mean	Lower Bound	1.78546	
			Upper Bound	2.42594	
		5% Trimmed Mean		2.07013	
		Median		1.90430	
		Variance		.361	
		Std. Deviation		.600973	
		Minimum		1.406	

		Maximum		3.445	
		Range		2.039	
		Interquartile Range		.699	
		Skewness		1.252	.564
		Kurtosis		.694	1.091
	Control	Mean		2.12805	.079658
		95% Confidence Interval for Mean	Lower Bound	1.95826	
			Upper Bound	2.29783	
		5% Trimmed Mean		2.10347	
		Median		2.06426	
		Variance		.102	
		Std. Deviation		.318631	
		Minimum		1.739	
		Maximum		2.960	
		Range		1.221	
		Interquartile Range		.292	
		Skewness		1.421	.564
		Kurtosis		2.216	1.091
IL-6 Hari 5	Induksi	Mean		1.89521	.140886
		95% Confidence Interval for Mean	Lower Bound	1.59492	
			Upper Bound	2.19550	
		5% Trimmed Mean		1.85521	
		Median		1.66561	
		Variance		.318	
		Std. Deviation		.563543	
		Minimum		1.395	
		Maximum		3.115	
		Range		1.720	
		Interquartile Range		.552	
		Skewness		1.407	.564
		Kurtosis		1.014	1.091
	Control	Mean		2.04010	.084732
		95% Confidence Interval for Mean	Lower Bound	1.85950	
			Upper Bound	2.22070	
		5% Trimmed Mean		2.02759	
		Median		2.02020	
		Variance		.115	
		Std. Deviation		.338928	
		Minimum		1.368	
		Maximum		2.937	
		Range		1.569	

		Interquartile Range	.324	
		Skewness	.782	.564
		Kurtosis	3.000	1.091
IL-6 Hari 7	Induksi	Mean	1.73485	.075065
		95% Confidence Interval for Mean — Lower Bound	1.57485	
		95% Confidence Interval for Mean — Upper Bound	1.89485	
		5% Trimmed Mean	1.70245	
		Median	1.61189	
		Variance	.090	
		Std. Deviation	.300259	
		Minimum	1.471	
		Maximum	2.582	
		Range	1.111	
		Interquartile Range	.300	
		Skewness	1.915	.564
		Kurtosis	3.518	1.091
	Control	Mean	2.08913	.083167
		95% Confidence Interval for Mean — Lower Bound	1.91186	
		95% Confidence Interval for Mean — Upper Bound	2.26639	
		5% Trimmed Mean	2.06890	
		Median	1.99255	
		Variance	.111	
		Std. Deviation	.332669	
		Minimum	1.622	
		Maximum	2.920	
		Range	1.298	
		Interquartile Range	.357	
		Skewness	1.124	.564
		Kurtosis	1.540	1.091

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengelompokkan	Statistic	df	Sig.	Statistic	df	Sig.
IL-6 Hari 1	Induksi	.210	16	.058	.777	16	.001
	Control	.204	16	.075	.885	16	.047
IL-6 Hari 3	Induksi	.287	16	.001	.843	16	.011
	Control	.217	16	.042	.874	16	.031
IL-6 Hari 5	Induksi	.198	16	.093	.797	16	.002
	Control	.205	16	.071	.916	16	.144

IL-6 Hari 7	Induksi	.290	16	.001	.764	16	.001
	Control	.169	16	.200*	.919	16	.161

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

a. Lilliefors Significance Correction

IL-6 Hari 1

Stem-and-Leaf Plots

IL-6 Hari 1 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

8,00 1 . 67789999
3,00 2 . 134
2,00 2 . 69
,00 3 .
2,00 3 . 77
1,00 Extremes (>=5,3)

Stem width: 1,000
Each leaf: 1 case(s)

IL-6 Hari 1 Stem-and-Leaf Plot for
Grouping= Control

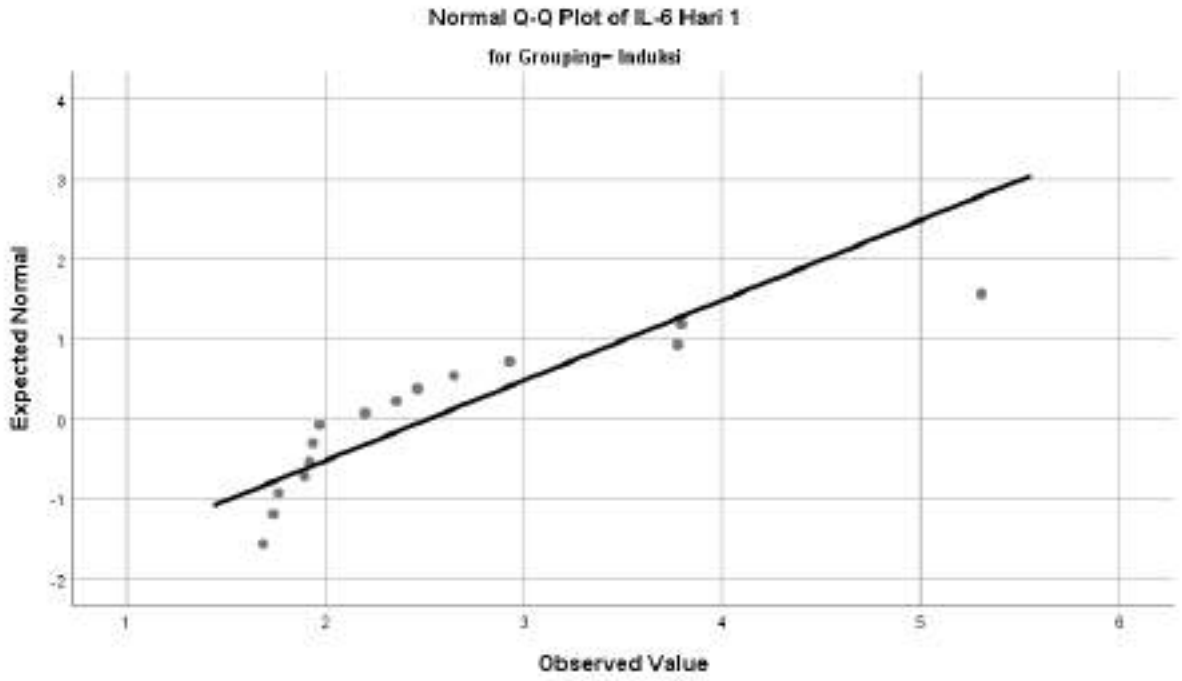
Frequency Stem & Leaf

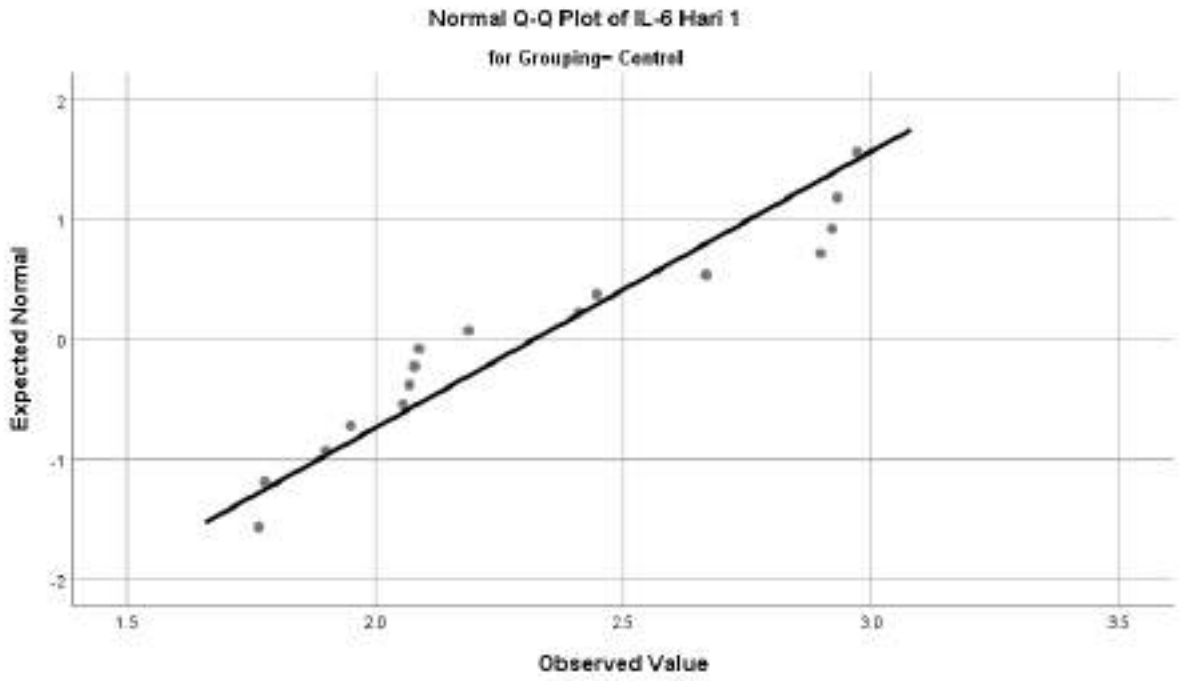
4,00 1 . 7789
7,00 2 . 0000144
5,00 2 . 68999

Stem width: 1,000

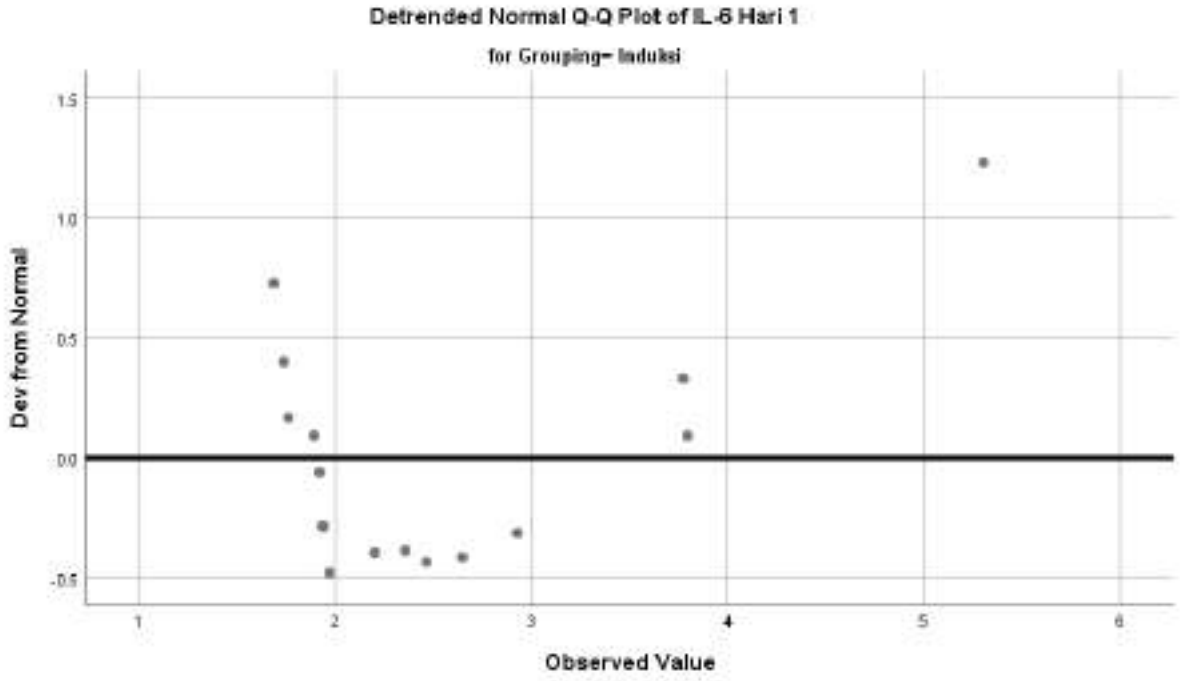
Each leaf: 1 case(s)

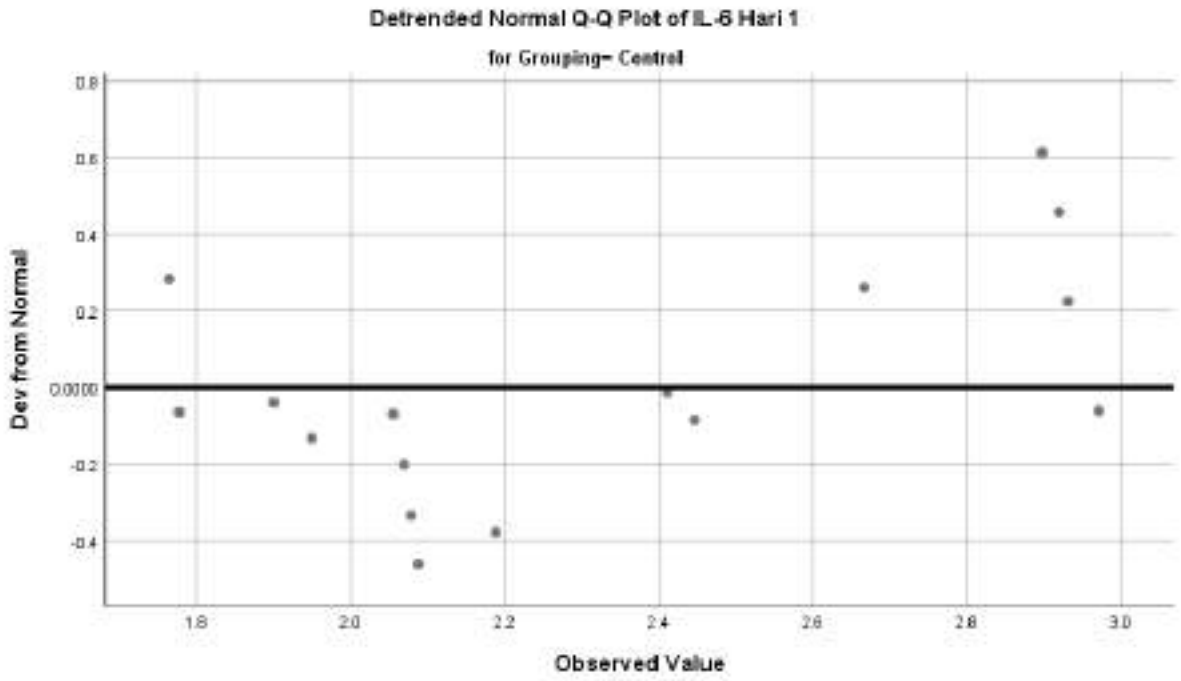
Normal Q-Q Plots

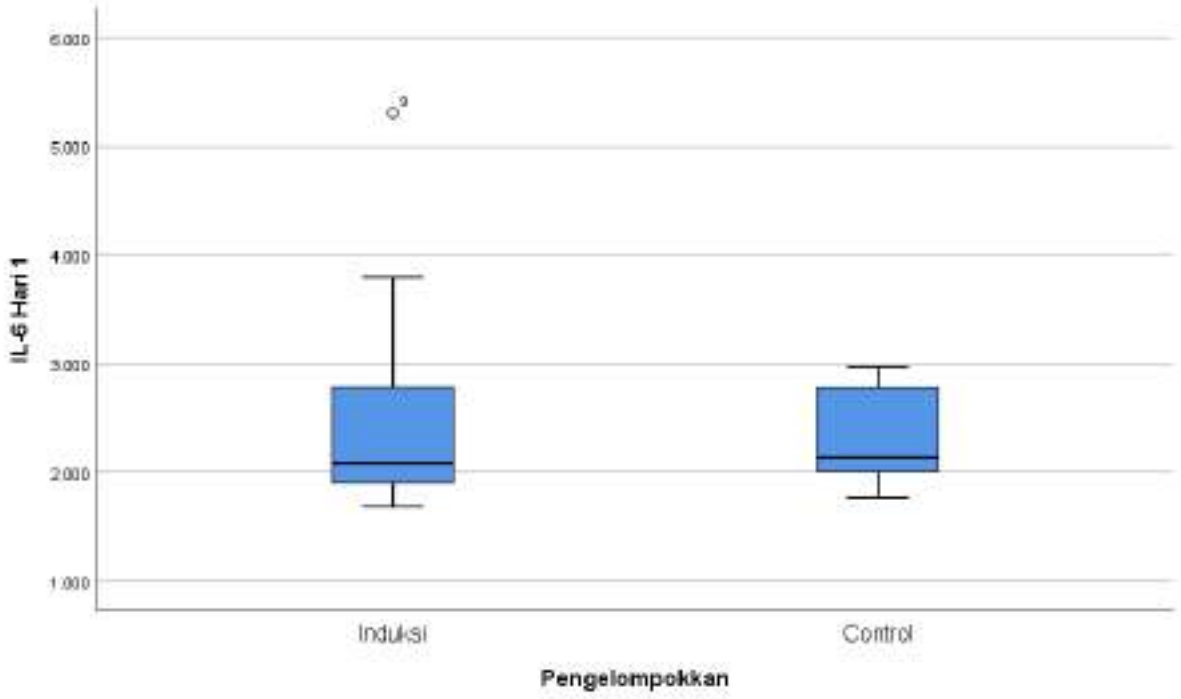


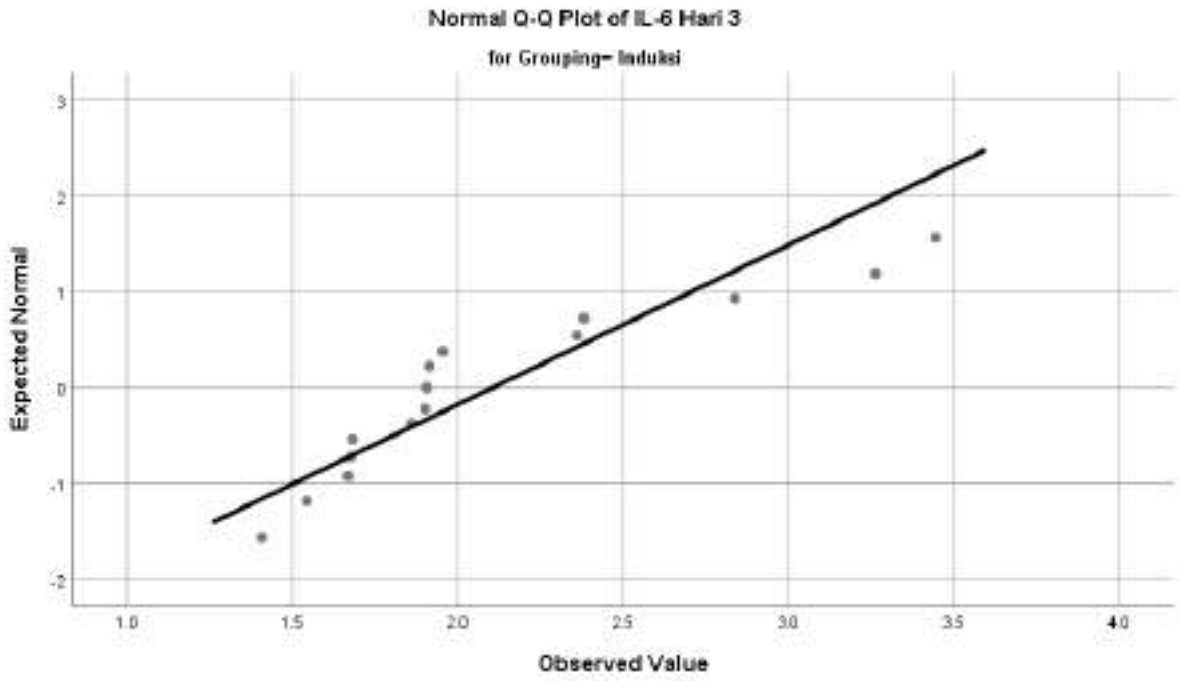


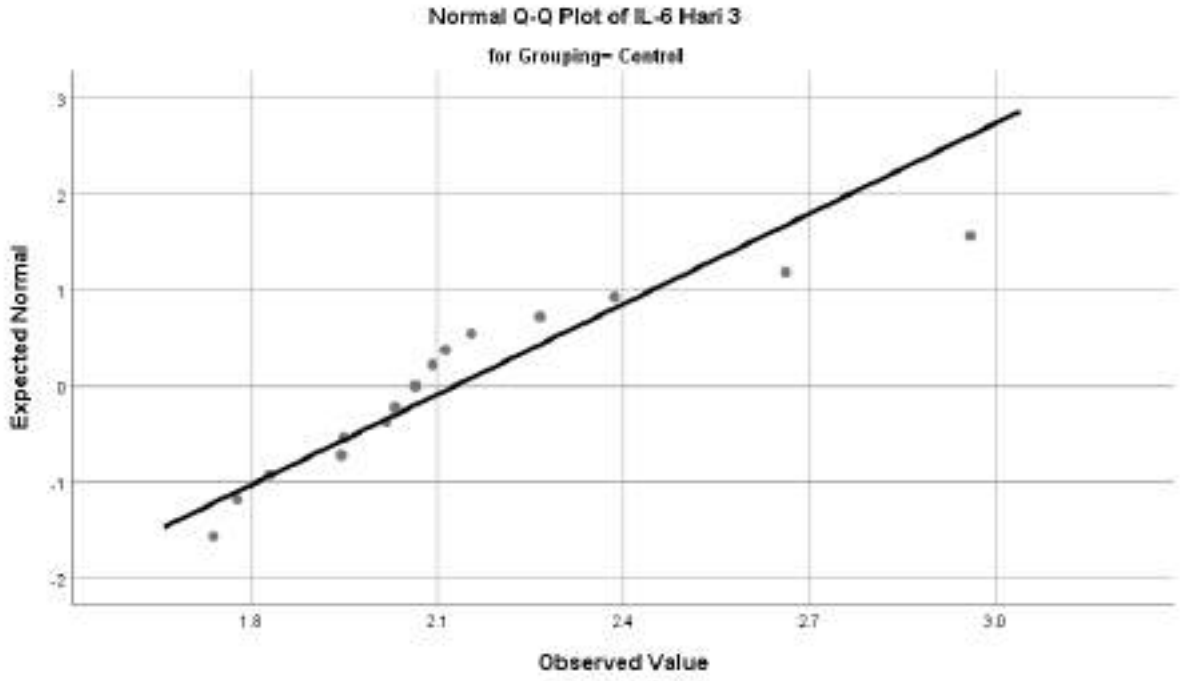
Detrended Normal Q-Q Plots

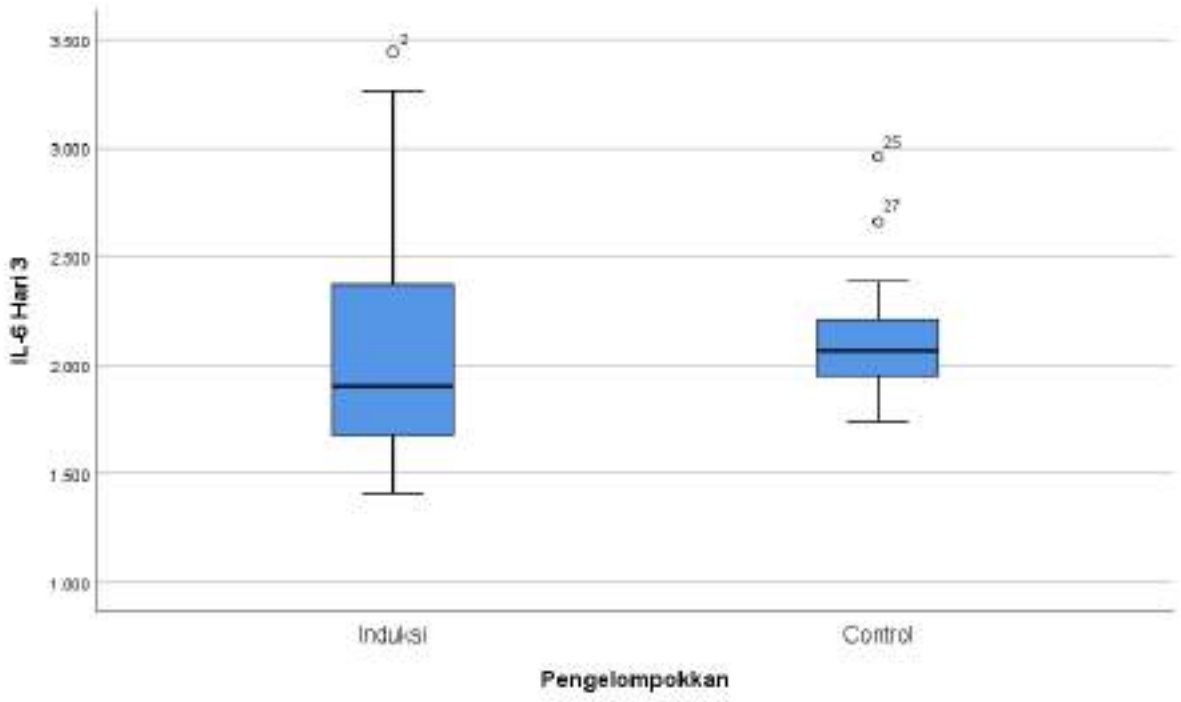



Detrended Normal Q-Q Plot of IL-6 Hari 1
for Grouping= Control
Dev from Normal
0.8
0.6
0.4
0.2
0.0000
-0.2
-0.4
1.8
2.0
2.2
2.4
2.6
2.8
3.0
Observed Value


IL-6 Hari 1
6.000
5.000
4.000
3.000
2.000
1.000
Induksi
Control
Pengelompokkan


Normal Q-Q Plot of IL-6 Hari 3
for Grouping= Induksi
Expected Normal
Observed Value
3
2
1
0
-1
-2
1.0
1.5
2.0
2.5
3.0
3.5
4.0


Normal Q-Q Plot of IL-6 Hari 3
for Grouping= Control
Expected Normal
Observed Value
3
2
1
0
-1
-2
1.8
2.1
2.4
2.7
3.0



IL-6 Hari 5

Stem-and-Leaf Plots

IL-6 Hari 5 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

4,00 1 . 3444
7,00 1 . 5556788
2,00 2 . 00
1,00 2 . 5
2,00 Extremes (>=3,1)

Stem width: 1,000
Each leaf: 1 case(s)

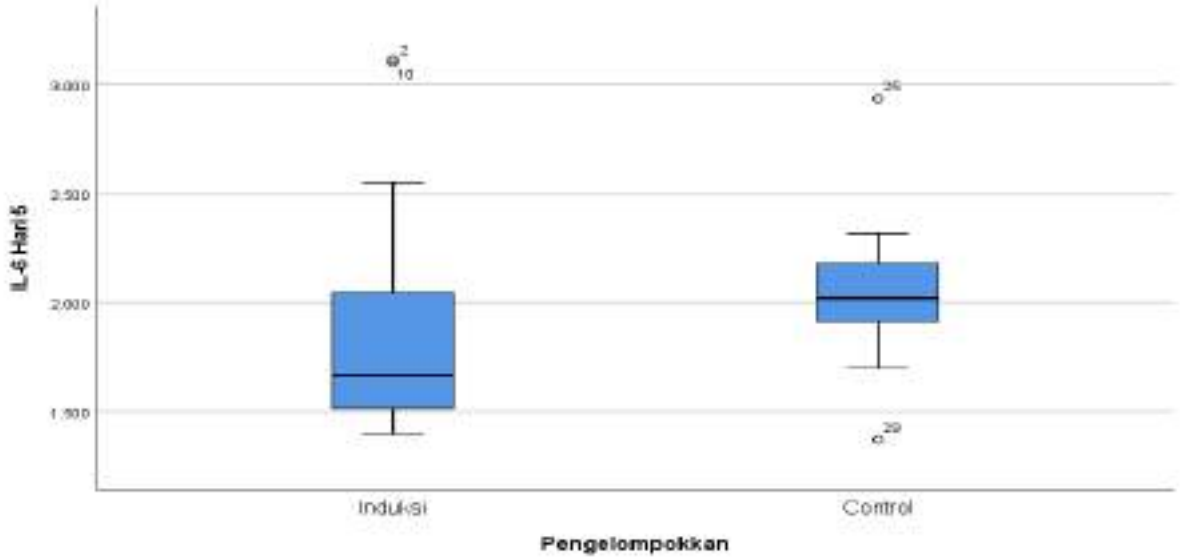
IL-6Hari 5 Stem-and-Leaf Plot for
Grouping= Control

Frequency Stem & Leaf

1,00 Extremes (=<1,37)
1,00 16 . 9
1,00 17 . 3
1,00 18 . 9
4,00 19 . 2489
4,00 20 . 4577

,00 21 .
1,00 22 . 8
2,00 23 . 11
1,00 Extremes (>=2,94)

Stem width: ,100
Each leaf: 1 case(s)



IL-6 Hari 7

Stem-and-Leaf Plots

IL-6 Hari 7 Stem-and-Leaf Plot for
Grouping= Induksi

Frequency Stem & Leaf

1,00 14 . 7
6,00 15 . 115579
4,00 16 . 0179
1,00 17 . 0
,00 18 .
2,00 19 . 06
2,00 Extremes (>=2,23)

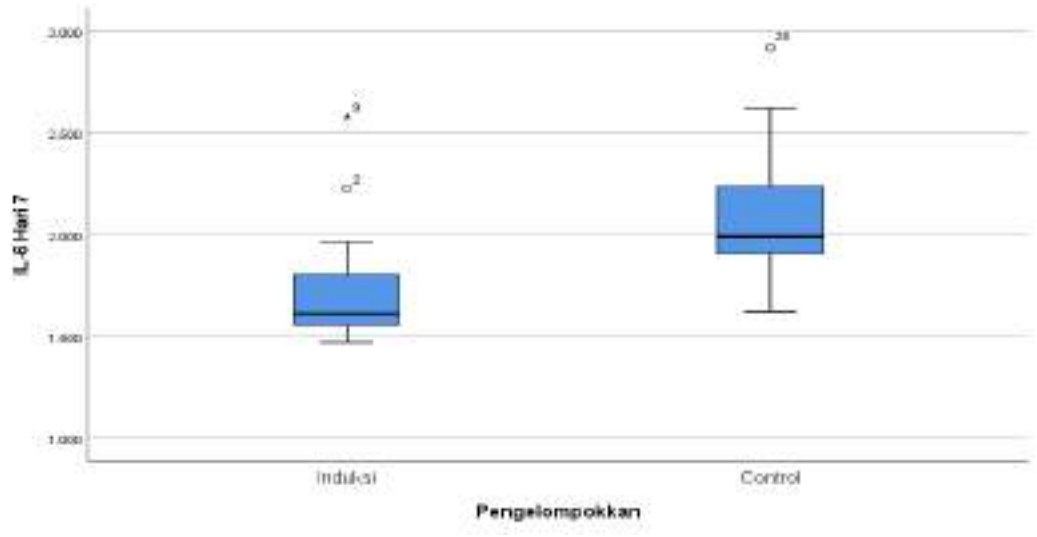
Stem width: ,100
Each leaf: 1 case(s)

IL-6 Hari 7 Stem-and-Leaf Plot for
Grouping= Control

Frequency Stem & Leaf

9,00 1 . 668899999
5,00 2 . 11123
1,00 2 . 6
1,00 Extremes (>=2,9)

Stem width: 1,000
Each leaf: 1 case(s)



Means

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
TIO Hari 1 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
TIO Hari 3 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
TIO Hari 5 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
TIO Hari 7 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
IL-6 Hari 1 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
IL-6 Hari 3 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
IL-6 Hari 5 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%
IL-6 Hari 7 * Pengelompokkan	32	100.0%	0	0.0%	32	100.0%

Report

Pengelompokkan		TIO Hari 1	TIO Hari 3	TIO Hari 5	TIO Hari 7	IL-6 Hari 1
Induksi	Mean	38.5250	31.4606	23.8138	20.6050	2.51769
	N	16	16	16	16	16
	Std. Deviation	8.98917	6.13977	6.40778	4.78259	.996776
Control	Mean	16.8125	15.6875	15.9375	15.5625	2.31954
	N	16	16	16	16	16
	Std. Deviation	1.90504	1.66208	2.48914	1.93111	.433361
Total	Mean	27.6688	23.5741	19.8756	18.0838	2.41862
	N	32	32	32	32	32
	Std. Deviation	12.74815	9.15321	6.23495	4.40838	.762732

Report

Pengelompokkan		IL-6 Hari 3	IL-6 Hari 5	IL-6 Hari 7
Induksi	Mean	2.10570	1.89521	1.73485
	N	16	16	16
	Std. Deviation	.600973	.563543	.300259
Control	Mean	2.12805	2.04010	2.08913
	N	16	16	16
	Std. Deviation	.318631	.338928	.332669
Total	Mean	2.11687	1.96766	1.91199
	N	32	32	32
	Std. Deviation	.473301	.463324	.359948

T-Test

Group Statistics

	Pengelompokkan	N	Mean	Std. Deviation	Std. Error Mean
TIO Hari 1	Induksi	16	38.5250	8.98917	2.24729
	Control	16	16.8125	1.90504	.47626
TIO Hari 3	Induksi	16	31.4606	6.13977	1.53494
	Control	16	15.6875	1.66208	.41552
TIO Hari 7	Induksi	16	20.6050	4.78259	1.19565
	Control	16	15.5625	1.93111	.48278

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means	
	F	Sig.	t	df

TIO Hari 1	Equal variances assumed	18.526	.000	9.452	30
	Equal variances not assumed			9.452	16.345
TIO Hari 3	Equal variances assumed	8.923	.006	9.919	30
	Equal variances not assumed			9.919	17.187
TIO Hari 7	Equal variances assumed	3.732	.063	3.911	30
	Equal variances not assumed			3.911	19.764

Independent Samples Test

		t-test for Equality of Means		
		Sig. (2-tailed)	Mean Difference	Std. Error Difference
TIO Hari 1	Equal variances assumed	.000	21.71250	2.29720
	Equal variances not assumed	.000	21.71250	2.29720
TIO Hari 3	Equal variances assumed	.000	15.77313	1.59019
	Equal variances not assumed	.000	15.77313	1.59019
TIO Hari 7	Equal variances assumed	.000	5.04250	1.28944
	Equal variances not assumed	.001	5.04250	1.28944

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
TIO Hari 1	Equal variances assumed	17.02098	26.40402
	Equal variances not assumed	16.85098	26.57402
TIO Hari 3	Equal variances assumed	12.52552	19.02073
	Equal variances not assumed	12.42089	19.12536
TIO Hari 7	Equal variances assumed	2.40912	7.67588
	Equal variances not assumed	2.35073	7.73427

NPar Tests
Mann-Whitney Test

Ranks

	Pengelompokkan	N	Mean Rank	Sum of Ranks
TIO Hari 5	Induksi	16	23.44	375.00
	Control	16	9.56	153.00
	Total	32		

Test Statistics[a]

	TIO Hari 5
Mann-Whitney U	17.000
Wilcoxon W	153.000
Z	-4.200
Asymp. Sig. (2-tailed)	.000
Exact Sig. [2*(1-tailed Sig.)]	.000[b]

a. Grouping Variable: Pengelompokkan

b. Not corrected for ties.

NPar Tests
Mann-Whitney Test

Ranks

	Pengelompokkan	N	Mean Rank	Sum of Ranks
IL-6 Hari 1	Induksi	16	15.81	253.00
	Control	16	17.19	275.00
	Total	32		
IL-6 Hari 3	Induksi	16	14.31	229.00
	Control	16	18.69	299.00
	Total	32		
IL-6 Hari 5	Induksi	16	13.56	217.00
	Control	16	19.44	311.00
	Total	32		
IL-6 Hari 7	Induksi	16	11.13	178.00
	Control	16	21.88	350.00
	Total	32		

Test Statistics[a]

	IL-6 Hari 1	IL-6 Hari 3	IL-6 Hari 5	IL-6 Hari 7
Mann-Whitney U	117.000	93.000	81.000	42.000
Wilcoxon W	253.000	229.000	217.000	178.000
Z	-.415	-1.319	-1.772	-3.241
Asymp. Sig. (2-tailed)	.678	.187	.076	.001
Exact Sig. [2*(1-tailed Sig.)]	.696[b]	.196[b]	.080[b]	.001[b]

a. Grouping Variable: Pengelompokkan

b. Not corrected for ties.

Correlations

Correlations

Pengelompokkan			TIO Hari 1	IL-6 Hari 1
Induksi	TIO Hari 1	Pearson Correlation	1	.510*
		Sig. (2-tailed)		.043
		N	16	16
	IL-6 Hari 1	Pearson Correlation	.510*	1
		Sig. (2-tailed)	.043	
		N	16	16
Control	TIO Hari 1	Pearson Correlation	1	.853**
		Sig. (2-tailed)		.000
		N	16	16
	IL-6 Hari 1	Pearson Correlation	.853**	1
		Sig. (2-tailed)	.000	
		N	16	16

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

**. Correlation is significant at the 0.01 level (2-tailed).

Nonparametric Correlations

Correlations

	Pengelompokkan			TIO Hari 1	IL-6 Hari 1
Spearman's rho	Induksi	TIO Hari 1	Correlation Coefficient	1.000	.452
			Sig. (2-tailed)	.	.078
			N	16	16
		IL-6 Hari 1	Correlation Coefficient	.452	1.000
			Sig. (2-tailed)	.078	.
			N	16	16
	Control	TIO Hari 1	Correlation Coefficient	1.000	.810**
			Sig. (2-tailed)	.	.000
			N	16	16
		IL-6 Hari 1	Correlation Coefficient	.810**	1.000
			Sig. (2-tailed)	.000	.
			N	16	16

**. Correlation is significant at the 0.01 level (2-tailed).

Correlations

Correlations

Pengelompokkan			TIO Hari 3	IL-6 Hari 3
Induksi	TIO Hari 3	Pearson Correlation	1	-.016
		Sig. (2-tailed)		.953
		N	16	16
	IL-6 Hari 3	Pearson Correlation	-.016	1
		Sig. (2-tailed)	.953	
		N	16	16
Control	TIO Hari 3	Pearson Correlation	1	.554*
		Sig. (2-tailed)		.026
		N	16	16
	IL-6 Hari 3	Pearson Correlation	.554*	1
		Sig. (2-tailed)	.026	
		N	16	16

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

Nonparametric Correlations

Correlations

	Pengelompokkan			TIO Hari 3	IL-6 Hari 3
Spearman's rho	Induksi	TIO Hari 3	Correlation Coefficient	1.000	.012
			Sig. (2-tailed)	.	.965
			N	16	16
		IL-6 Hari 3	Correlation Coefficient	.012	1.000
			Sig. (2-tailed)	.965	.
			N	16	16
	Control	TIO Hari 3	Correlation Coefficient	1.000	.148
			Sig. (2-tailed)	.	.585
			N	16	16
		IL-6 Hari 3	Correlation Coefficient	.148	1.000
			Sig. (2-tailed)	.585	.
			N	16	16

Correlations

Correlations

Pengelompokkan			TIO Hari 5	IL-6 Hari 7
Induksi	TIO Hari 5	Pearson Correlation	1	.186
		Sig. (2-tailed)		.490
		N	16	16

	IL-6 Hari 7	Pearson Correlation	.186	1
		Sig. (2-tailed)	.490	
		N	16	16
Control	TIO Hari 5	Pearson Correlation	1	.481
		Sig. (2-tailed)		.059
		N	16	16
	IL-6 Hari 7	Pearson Correlation	.481	1
		Sig. (2-tailed)	.059	
		N	16	16

Nonparametric Correlations

Correlations

	Pengelompokkan			TIO Hari 5	IL-6 Hari 7
Spearman's rho	Induksi	TIO Hari 5	Correlation Coefficient	1.000	.337
			Sig. (2-tailed)	.	.202
			N	16	16
		IL-6 Hari 7	Correlation Coefficient	.337	1.000
			Sig. (2-tailed)	.202	.
			N	16	16
	Control	TIO Hari 5	Correlation Coefficient	1.000	.569*
			Sig. (2-tailed)	.	.021
			N	16	16
		IL-6 Hari 7	Correlation Coefficient	.569*	1.000
			Sig. (2-tailed)	.021	.
			N	16	16

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

Correlations

Correlations

Pengelompokkan			TIO Hari 5	IL-6 Hari 5
Induksi	TIO Hari 5	Pearson Correlation	1	.018
		Sig. (2-tailed)		.946
		N	16	16
	IL-6 Hari 5	Pearson Correlation	.018	1
		Sig. (2-tailed)	.946	
		N	16	16
Control	TIO Hari 5	Pearson Correlation	1	.724**
		Sig. (2-tailed)		.002
		N	16	16
	IL-6 Hari 5	Pearson Correlation	.724**	1
		Sig. (2-tailed)	.002	

N	16	16

**. Correlation is significant at the 0.01 level (2-tailed).

Nonparametric Correlations

Correlations

	Pengelompokkan			TIO Hari 5	IL-6 Hari 5
Spearman's rho	Induksi	TIO Hari 5	Correlation Coefficient	1.000	-.037
			Sig. (2-tailed)	.	.892
			N	16	16
		IL-6 Hari 5	Correlation Coefficient	-.037	1.000
			Sig. (2-tailed)	.892	.
			N	16	16
	Control	TIO Hari 5	Correlation Coefficient	1.000	.779**
			Sig. (2-tailed)	.	.000
			N	16	16
		IL-6 Hari 5	Correlation Coefficient	.779**	1.000
			Sig. (2-tailed)	.000	.
			N	16	16

**. Correlation is significant at the 0.01 level (2-tailed).

Correlations

Correlations

Pengelompokkan			TIO Hari 7	IL-6 Hari 7
Induksi	TIO Hari 7	Pearson Correlation	1	.331
		Sig. (2-tailed)		.211
		N	16	16
	IL-6 Hari 7	Pearson Correlation	.331	1
		Sig. (2-tailed)	.211	
		N	16	16
Control	TIO Hari 7	Pearson Correlation	1	.748**
		Sig. (2-tailed)		.001
		N	16	16
	IL-6 Hari 7	Pearson Correlation	.748**	1
		Sig. (2-tailed)	.001	
		N	16	16

**. Correlation is significant at the 0.01 level (2-tailed).

Nonparametric Correlations

Correlations

	Pengelompokkan			TIO Hari 7	IL-6 Hari 7
Spearman's rho	Induksi	TIO Hari 7	Correlation Coefficient	1.000	.263
			Sig. (2-tailed)	.	.326
			N	16	16
		IL-6 Hari 7	Correlation Coefficient	.263	1.000
			Sig. (2-tailed)	.326	.
			N	16	16
	Control	TIO Hari 7	Correlation Coefficient	1.000	.776**
			Sig. (2-tailed)	.	.000
			N	16	16
		IL-6 Hari 7	Correlation Coefficient	.776**	1.000
			Sig. (2-tailed)	.000	.
			N	16	16

**. Correlation is significant at the 0.01 level (2-tailed).

General Linear Model

Within-Subjects Factors

Measure: TIO

Waktu	Dependent Variable
1	TIO_1
2	TIO_3
3	TIO_5
4	TIO_7

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.
Waktu	Pillai's Trace	.453	7.992[b]	3.000	29.000	.000
	Wilks' Lambda	.547	7.992[b]	3.000	29.000	.000
	Hotelling's Trace	.827	7.992[b]	3.000	29.000	.000
	Roy's Largest Root	.827	7.992[b]	3.000	29.000	.000

a. Design: Intercept

Within Subjects Design: Waktu

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: TIO

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
Waktu	.251	41.057	5	.000	.573

Mauchly's Test of Sphericity[a]

Measure: TIO

Within Subjects Effect	Epsilon	
	Huynh-Feldt	Lower-bound
Waktu	.604	.333

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.[a]

a. Design: Intercept

Within Subjects Design: Waktu

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: TIO

Source		Type III Sum of Squares	df	Mean Square	F
Waktu	Sphericity Assumed	1731.234	3	577.078	17.844
	Greenhouse-Geisser	1731.234	1.720	1006.655	17.844
	Huynh-Feldt	1731.234	1.811	955.832	17.844
	Lower-bound	1731.234	1.000	1731.234	17.844
Error(Waktu)	Sphericity Assumed	3007.562	93	32.339	
	Greenhouse-Geisser	3007.562	53.313	56.413	
	Huynh-Feldt	3007.562	56.148	53.565	
	Lower-bound	3007.562	31.000	97.018	

Tests of Within-Subjects Effects

Measure: TIO

Source		Sig.
Waktu	Sphericity Assumed	.000
	Greenhouse-Geisser	.000
	Huynh-Feldt	.000
	Lower-bound	.000
Error(Waktu)	Sphericity Assumed	

	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

Tests of Within-Subjects Contrasts

Measure: TIO

Source	Waktu	Type III Sum of Squares	df	Mean Square	F	Sig.
Waktu	Linear	1685.161	1	1685.161	25.065	.000
	Quadratic	42.424	1	42.424	3.144	.086
	Cubic	3.650	1	3.650	.224	.639
Error(Waktu)	Linear	2084.168	31	67.231		
	Quadratic	418.298	31	13.493		
	Cubic	505.096	31	16.293		

Tests of Between-Subjects Effects

Measure: TIO

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	63656.242	1	63656.242	306.648	.000
Error	6435.198	31	207.587		

Estimated Marginal Means

Waktu

Estimates

Measure: TIO

Waktu	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	27.669	2.254	23.073	32.265
2	23.574	1.618	20.274	26.874
3	19.876	1.102	17.628	22.124
4	18.084	.779	16.494	19.673

Pairwise Comparisons

Measure: TIO

(I) Waktu	(J) Waktu	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	4.095*	1.430	.045	.063	8.126
	3	7.793*	1.674	.000	3.076	12.510
	4	9.585*	1.978	.000	4.011	15.159
2	1	-4.095*	1.430	.045	-8.126	-.063
	3	3.698*	1.144	.017	.474	6.923
	4	5.490*	1.253	.001	1.959	9.022
3	1	-7.793*	1.674	.000	-12.510	-3.076
	2	-3.698*	1.144	.017	-6.923	-.474
	4	1.792	.699	.093	-.179	3.763
4	1	-9.585*	1.978	.000	-15.159	-4.011
	2	-5.490*	1.253	.001	-9.022	-1.959
	3	-1.792	.699	.093	-3.763	.179

Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

b. Adjustment for multiple comparisons: Bonferroni.

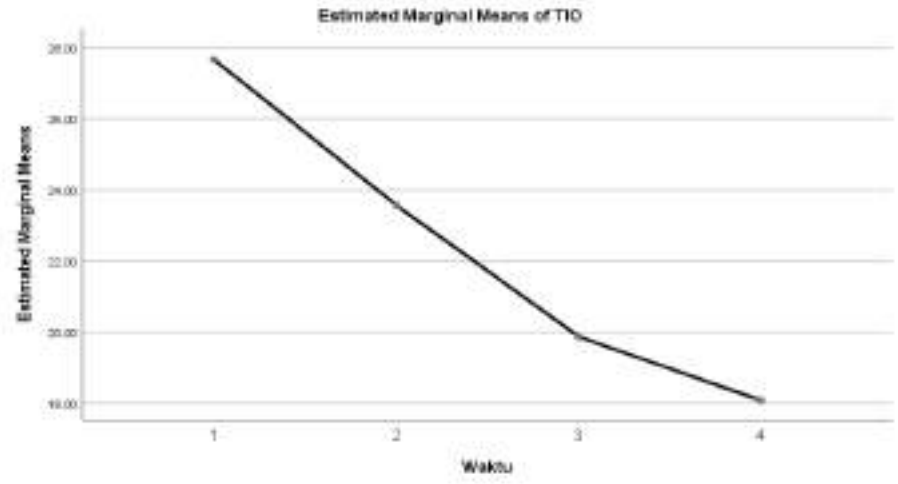
Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.
Pillai's trace	.453	7.992[a]	3.000	29.000	.000
Wilks' lambda	.547	7.992[a]	3.000	29.000	.000
Hotelling's trace	.827	7.992[a]	3.000	29.000	.000
Roy's largest root	.827	7.992[a]	3.000	29.000	.000

Each F tests the multivariate effect of Waktu. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots



Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Standardized Residual for TIO_1	32	100.0%	0	0.0%	32	100.0%
Standardized Residual for TIO_3	32	100.0%	0	0.0%	32	100.0%
Standardized Residual for TIO_5	32	100.0%	0	0.0%	32	100.0%
Standardized Residual for TIO_7	32	100.0%	0	0.0%	32	100.0%

Descriptives

			Statistic	Std. Error
Standardized Residual for TIO_1	Mean		.0000	.17678
	95% Confidence Interval for Mean	Lower Bound	-.3605	
		Upper Bound	.3605	
	5% Trimmed Mean		-.0478	
	Median		-.3792	
	Variance		1.000	
	Std. Deviation		1.00000	
	Minimum		-1.07	
	Maximum		1.96	
	Range		3.03	
	Interquartile Range		1.61	
	Skewness		.640	.414
	Kurtosis		-1.011	.809

Standardized Residual for TIO_3	Mean		.0000	.17678
	95% Confidence Interval for Mean	Lower Bound	-.3605	
		Upper Bound	.3605	
	5% Trimmed Mean		-.0618	
	Median		-.2812	
	Variance		1.000	
	Std. Deviation		1.00000	
	Minimum		-1.16	
	Maximum		2.49	
	Range		3.64	
	Interquartile Range		1.64	
	Skewness		.676	.414
	Kurtosis		-.523	.809
Standardized Residual for TIO_5	Mean		.0000	.17678
	95% Confidence Interval for Mean	Lower Bound	-.3605	
		Upper Bound	.3605	
	5% Trimmed Mean		-.0921	
	Median		-.1404	
	Variance		1.000	
	Std. Deviation		1.00000	
	Minimum		-1.26	
	Maximum		3.76	
	Range		5.03	
	Interquartile Range		.88	
	Skewness		1.840	.414
	Kurtosis		5.364	.809
Standardized Residual for TIO_7	Mean		.0000	.17678
	95% Confidence Interval for Mean	Lower Bound	-.3605	
		Upper Bound	.3605	
	5% Trimmed Mean		-.0415	
	Median		-.1324	
	Variance		1.000	
	Std. Deviation		1.00000	
	Minimum		-1.76	
	Maximum		2.48	
	Range		4.23	
	Interquartile Range		1.36	
	Skewness		.581	.414
	Kurtosis		.306	.809

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for TIO_1	.226	32	.000	.864	32	.001
Standardized Residual for TIO_3	.232	32	.000	.887	32	.003
Standardized Residual for TIO_5	.178	32	.011	.855	32	.001
Standardized Residual for TIO_7	.098	32	.200*	.966	32	.400

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

a. Lilliefors Significance Correction

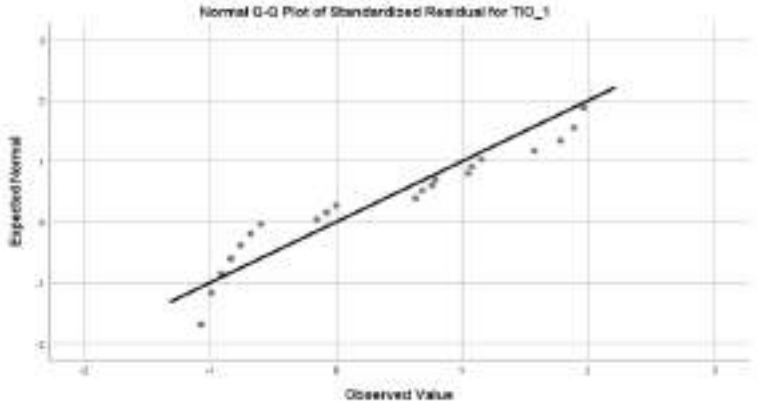
Standardized Residual for TIO_1

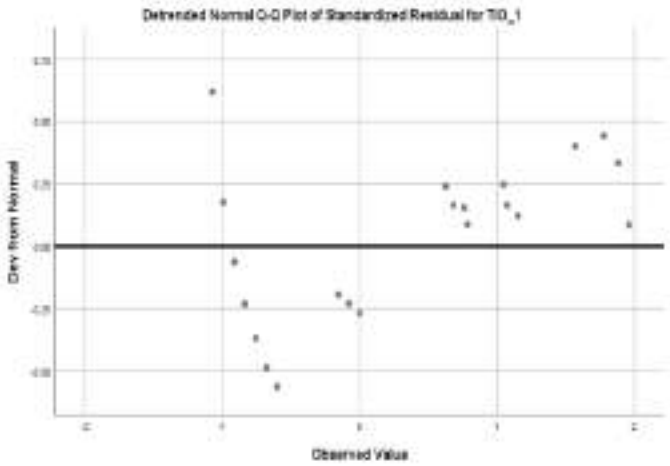
Standardized Residual for TIO_1 Stem-and-Leaf Plot

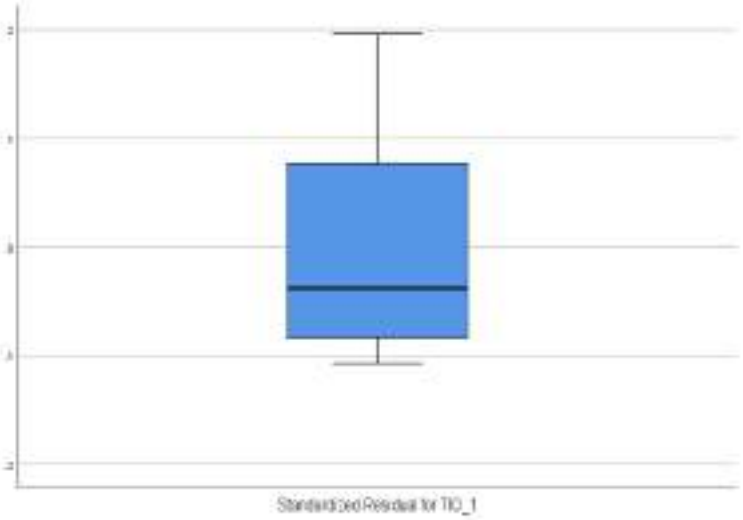
Frequency Stem & Leaf

2,00 -1 . 00
14,00 -0 . 66667788899999
3,00 -0 . 001
1,00 0 . 0
5,00 0 . 66677
3,00 1 . 001
4,00 1 . 5789

Stem width: 1,00
Each leaf: 1 case(s)





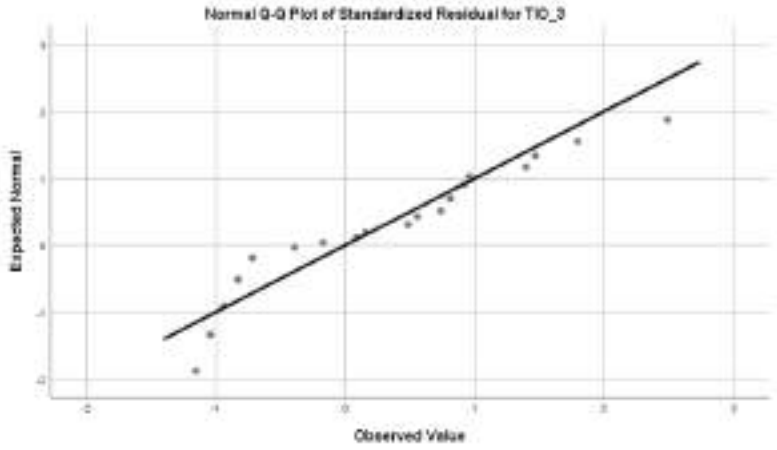


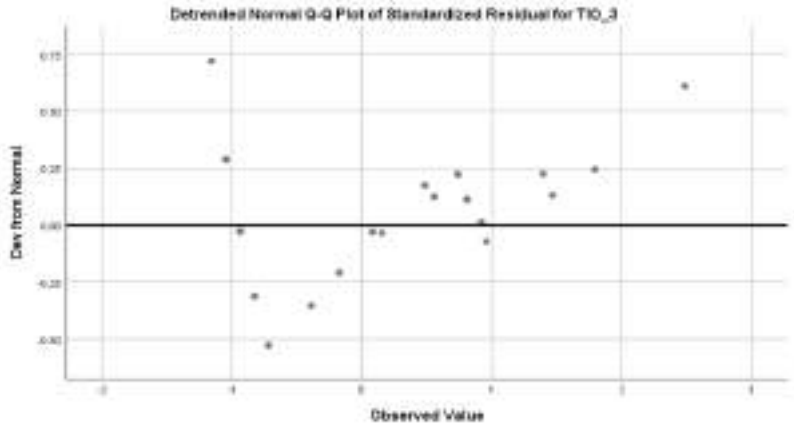
Standardized Residual for TIO_3

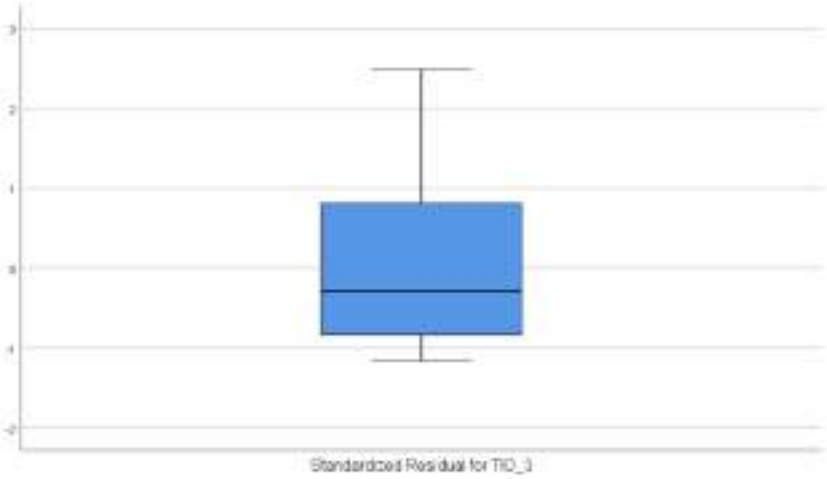
Standardized Residual for TIO_3 Stem-and-Leaf Plot

Frequency	Stem & Leaf
4,00	-1 . 0001
11,00	-0 . 77788888999
2,00	-0 . 13
4,00	0 . 0144
7,00	0 . 5788899
2,00	1 . 34
1,00	1 . 7
1,00	2 . 4

Stem width: 1,00
Each leaf: 1 case(s)







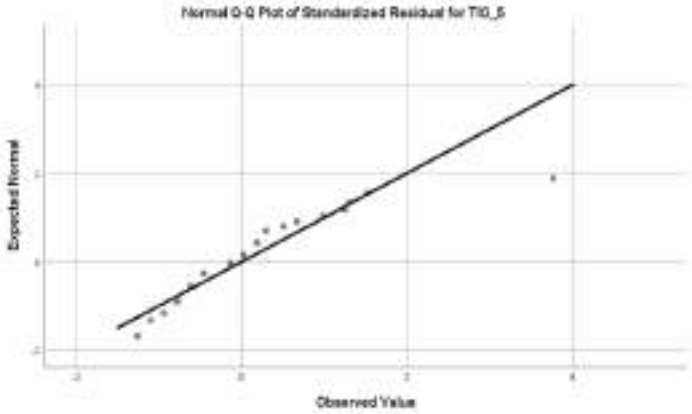
Standardized Residual for TIO_5

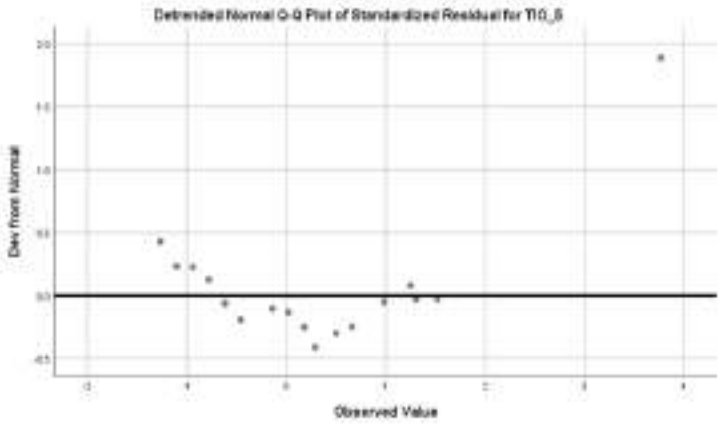
Standardized Residual for TIO_5 Stem-and-Leaf Plot
Frequency Stem & Leaf

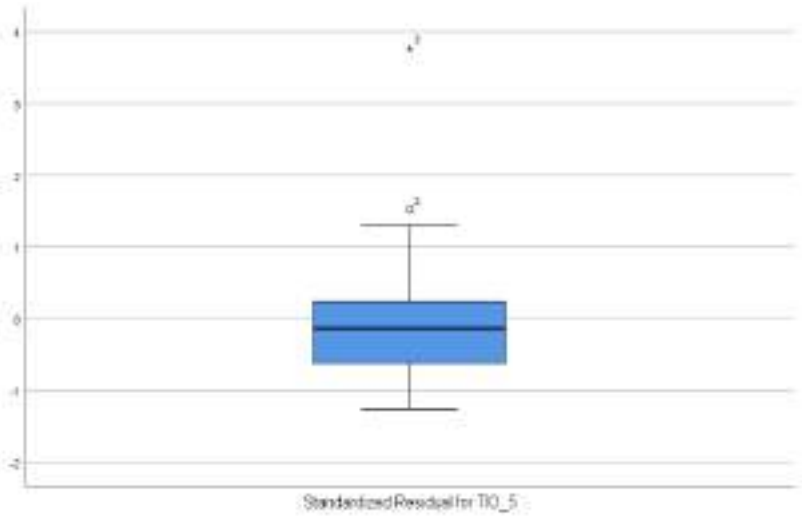
3,00 -1 . 122

8,00 -0 . 66667779
6,00 -0 . 111444
8,00 0 . 00111112
3,00 0 . 569
2,00 1 . 23
2,00 Extremes (>=1,5)

Stem width: 1,00
Each leaf: 1 case(s)





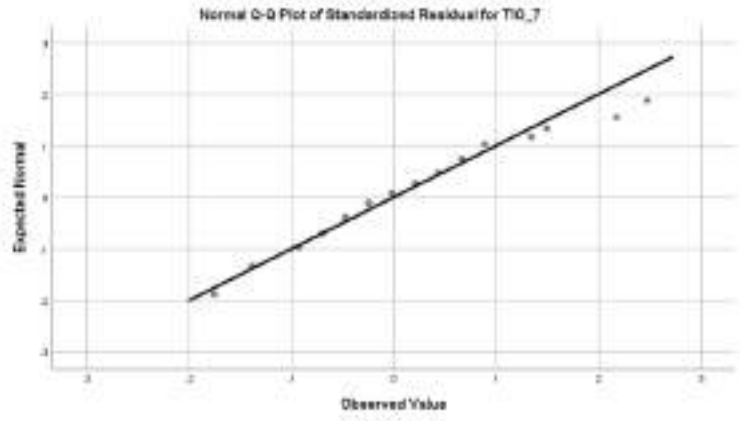


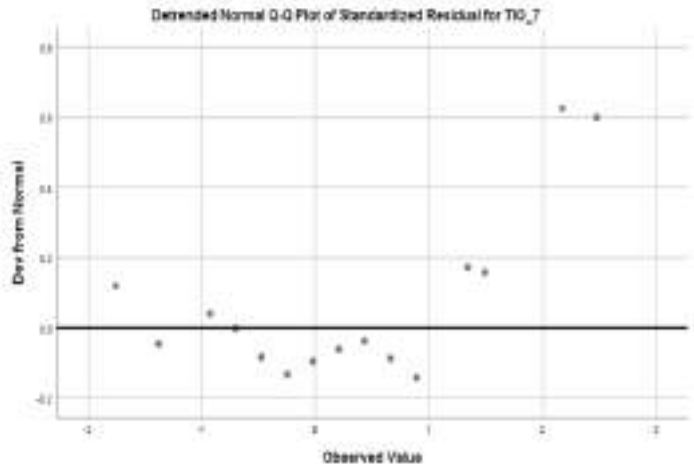
Standardized Residual for TIO_7

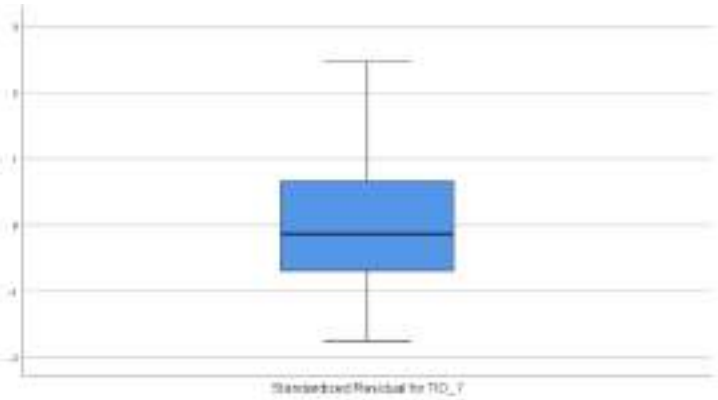
Standardized Residual for TIO_7 Stem-and-Leaf Plot

Frequency	Stem & Leaf
1,00	-1 . 7
3,00	-1 . 333
5,00	-0 . 66699
9,00	-0 . 002224444
5,00	0 . 22244
5,00	0 . 66668
2,00	1 . 34
,00	1 .
2,00	2 . 14

Stem width: 1,00
Each leaf: 1 case(s)







General Linear Model

Within-Subjects Factors

Measure: IL6

Waktu	Dependent Variable
1	IL6_1
2	IL6_3
3	IL6_5
4	IL6_7

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.
Waktu	Pillai's Trace	.430	7.285[b]	3.000	29.000	.001
	Wilks' Lambda	.570	7.285[b]	3.000	29.000	.001
	Hotelling's Trace	.754	7.285[b]	3.000	29.000	.001
	Roy's Largest Root	.754	7.285[b]	3.000	29.000	.001

a. Design: Intercept

Within Subjects Design: Waktu

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: IL6

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
Waktu	.146	57.167	5	.000	.549

Mauchly's Test of Sphericity[a]

Measure: IL6

Within Subjects Effect	Epsilon Huynh-Feldt	Lower-bound
Waktu	.576	.333

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.[a]

a. Design: Intercept

Within Subjects Design: Waktu

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: IL6

Source		Type III Sum of Squares	df	Mean Square	F
Waktu	Sphericity Assumed	4.947	3	1.649	8.696
	Greenhouse-Geisser	4.947	1.648	3.002	8.696
	Huynh-Feldt	4.947	1.729	2.862	8.696
	Lower-bound	4.947	1.000	4.947	8.696
Error(Waktu)	Sphericity Assumed	17.638	93	.190	
	Greenhouse-Geisser	17.638	51.096	.345	
	Huynh-Feldt	17.638	53.594	.329	
	Lower-bound	17.638	31.000	.569	

Tests of Within-Subjects Effects

Measure: IL6

Source		Sig.
Waktu	Sphericity Assumed	.000
	Greenhouse-Geisser	.001

	Huynh-Feldt	.001
	Lower-bound	.006
Error(Waktu)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

Tests of Within-Subjects Contrasts

Measure: IL6

Source	Waktu	Type III Sum of Squares	df	Mean Square	F	Sig.
Waktu	Linear	4.457	1	4.457	19.486	.000
	Quadratic	.484	1	.484	1.533	.225
	Cubic	.006	1	.006	.230	.635
Error(Waktu)	Linear	7.091	31	.229		
	Quadratic	9.796	31	.316		
	Cubic	.751	31	.024		

Tests of Between-Subjects Effects

Measure: IL6

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	566.516	1	566.516	974.992	.000
Error	18.012	31	.581		

Estimated Marginal Means

Waktu

Estimates

Measure: IL6

Waktu	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.419	.135	2.144	2.694
2	2.117	.084	1.946	2.288
3	1.968	.082	1.801	2.135
4	1.912	.064	1.782	2.042

Pairwise Comparisons

Measure: IL6

(I) Waktu	(J) Waktu	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
1	2	.302	.135	.200	-.080	.683
	3	.451*	.148	.028	.033	.869
	4	.507*	.119	.001	.170	.843
2	1	-.302	.135	.200	-.683	.080
	3	.149*	.039	.004	.039	.260
	4	.205	.089	.167	-.045	.455
3	1	-.451*	.148	.028	-.869	-.033
	2	-.149*	.039	.004	-.260	-.039
	4	.056	.085	1.000	-.183	.294
4	1	-.507*	.119	.001	-.843	-.170
	2	-.205	.089	.167	-.455	.045
	3	-.056	.085	1.000	-.294	.183

Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

b. Adjustment for multiple comparisons: Bonferroni.

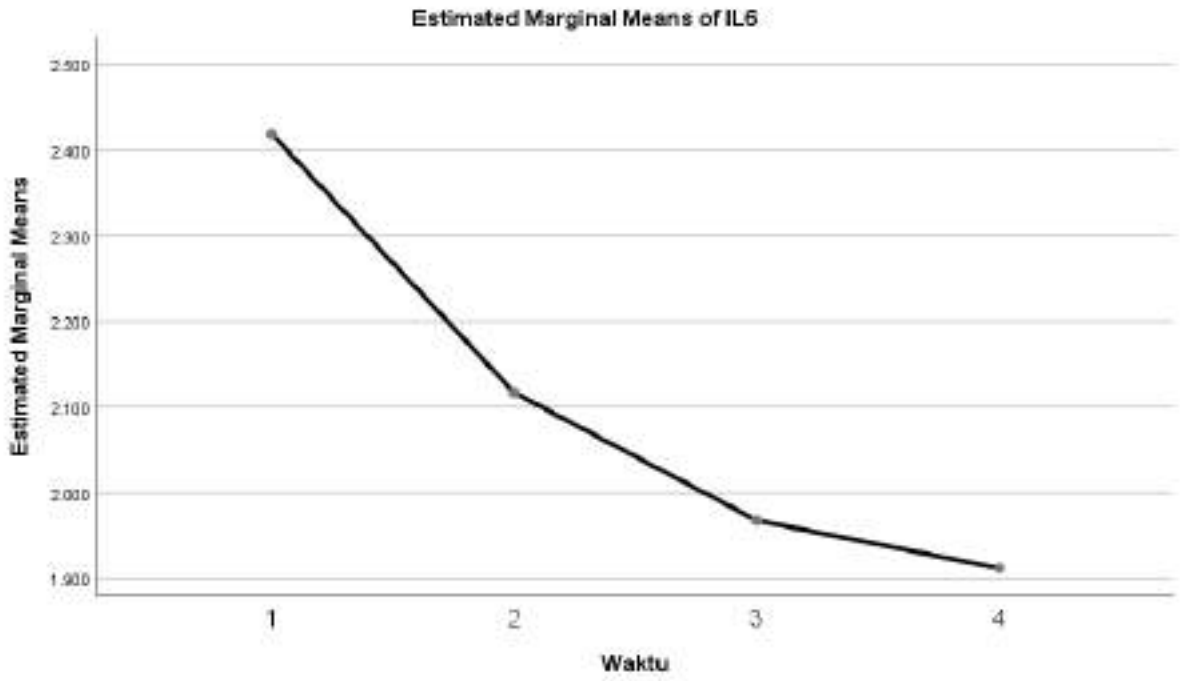
Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.
Pillai's trace	.430	7.285[a]	3.000	29.000	.001
Wilks' lambda	.570	7.285[a]	3.000	29.000	.001
Hotelling's trace	.754	7.285[a]	3.000	29.000	.001
Roy's largest root	.754	7.285[a]	3.000	29.000	.001

Each F tests the multivariate effect of Waktu. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots



General Linear Model

Within-Subjects Factors

Measure: IL6

Waktu	Dependent Variable
1	IL6_1
2	IL6_3
3	IL6_5
4	IL6_7

Multivariate Tests[a]

Pengelompokkan	Effect		Value	F	Hypothesis df	Error df
Induksi	Waktu	Pillai's Trace	.675	9.019[b]	3.000	13.000
		Wilks' Lambda	.325	9.019[b]	3.000	13.000
		Hotelling's Trace	2.081	9.019[b]	3.000	13.000
		Roy's Largest Root	2.081	9.019[b]	3.000	13.000
Control	Waktu	Pillai's Trace	.303	1.888[b]	3.000	13.000
		Wilks' Lambda	.697	1.888[b]	3.000	13.000
		Hotelling's Trace	.436	1.888[b]	3.000	13.000
		Roy's Largest Root	.436	1.888[b]	3.000	13.000

Multivariate Tests[a]

Pengelompokkan	Effect		Sig.
Induksi	Waktu	Pillai's Trace	.002
		Wilks' Lambda	.002
		Hotelling's Trace	.002
		Roy's Largest Root	.002
Control	Waktu	Pillai's Trace	.182
		Wilks' Lambda	.182
		Hotelling's Trace	.182
		Roy's Largest Root	.182

a. Design: Intercept
Within Subjects Design: Waktu
b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: IL6

Pengelompokkan	Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.
Induksi	Waktu	.044	42.740	5	.000
Control	Waktu	.558	8.013	5	.156

Mauchly's Test of Sphericity[a]

Measure: IL6

		Epsilon[b]		
Pengelompokkan	Within Subjects Effect	Greenhouse-Geisser	Huynh-Feldt	Lower-bound
Induksi	Waktu	.478	.515	.333
Control	Waktu	.730	.859	.333

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.[a]

a. Design: Intercept
Within Subjects Design: Waktu
b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: IL6

Pengelompokkan	Source		Type III Sum of Squares	df	Mean Square
Induksi	Waktu	Sphericity Assumed	5.510	3	1.837

		Greenhouse-Geisser	5.510	1.435	3.841
		Huynh-Feldt	5.510	1.545	3.567
		Lower-bound	5.510	1.000	5.510
	Error(Waktu)	Sphericity Assumed	13.528	45	.301
		Greenhouse-Geisser	13.528	21.520	.629
		Huynh-Feldt	13.528	23.171	.584
		Lower-bound	13.528	15.000	.902
Control	Waktu	Sphericity Assumed	.718	3	.239
		Greenhouse-Geisser	.718	2.189	.328
		Huynh-Feldt	.718	2.578	.278
		Lower-bound	.718	1.000	.718
	Error(Waktu)	Sphericity Assumed	2.829	45	.063
		Greenhouse-Geisser	2.829	32.842	.086
		Huynh-Feldt	2.829	38.677	.073
		Lower-bound	2.829	15.000	.189

Tests of Within-Subjects Effects

Measure: IL6

Pengelompokkan	Source		F	Sig.
Induksi	Waktu	Sphericity Assumed	6.110	.001
		Greenhouse-Geisser	6.110	.014
		Huynh-Feldt	6.110	.012
		Lower-bound	6.110	.026
	Error(Waktu)	Sphericity Assumed		
		Greenhouse-Geisser		
		Huynh-Feldt		
		Lower-bound		
Control	Waktu	Sphericity Assumed	3.808	.016
		Greenhouse-Geisser	3.808	.029
		Huynh-Feldt	3.808	.022
		Lower-bound	3.808	.070
	Error(Waktu)	Sphericity Assumed		
		Greenhouse-Geisser		
		Huynh-Feldt		
		Lower-bound		

Tests of Within-Subjects Contrasts

Measure: IL6

Pengelompokkan	Source	Waktu	Type III Sum of Squares	df	Mean Square

Induksi	Waktu	Linear	5.239	1	5.239
		Quadratic	.253	1	.253
		Cubic	.018	1	.018
	Error(Waktu)	Linear	4.600	15	.307
		Quadratic	8.572	15	.571
		Cubic	.356	15	.024
Control	Waktu	Linear	.486	1	.486
		Quadratic	.231	1	.231
		Cubic	.001	1	.001
	Error(Waktu)	Linear	1.224	15	.082
		Quadratic	1.223	15	.082
		Cubic	.381	15	.025

Tests of Within-Subjects Contrasts

Measure: IL6

Pengelompokkan	Source	Waktu	F	Sig.
Induksi	Waktu	Linear	17.084	.001
		Quadratic	.443	.516
		Cubic	.773	.393
	Error(Waktu)	Linear		
		Quadratic		
		Cubic		
Control	Waktu	Linear	5.950	.028
		Quadratic	2.838	.113
		Cubic	.035	.854
	Error(Waktu)	Linear		
		Quadratic		
		Cubic		

Tests of Between-Subjects Effects

Measure: IL6

Transformed Variable: Average

Pengelompokkan	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Induksi	Intercept	272.478	1	272.478	316.618	.000
	Error	12.909	15	.861		
Control	Intercept	294.247	1	294.247	901.776	.000
	Error	4.894	15	.326		

Estimated Marginal Means
Waktu

Estimates

Measure: IL6

Pengelompokkan	Waktu	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Induksi	1	2.518	.249	1.987	3.049
	2	2.106	.150	1.785	2.426
	3	1.895	.141	1.595	2.196
	4	1.735	.075	1.575	1.895
Control	1	2.320	.108	2.089	2.550
	2	2.128	.080	1.958	2.298
	3	2.040	.085	1.859	2.221
	4	2.089	.083	1.912	2.266

Pairwise Comparisons

Measure: IL6

Pengelompokkan	(I) Waktu	(J) Waktu	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]
						Lower Bound
Induksi	1	2	.412	.254	.755	-.360
		3	.622	.271	.220	-.202
		4	.783*	.199	.008	.180
	2	1	-.412	.254	.755	-1.184
		3	.210*	.043	.001	.080
		4	.371	.151	.160	-.088
	3	1	-.622	.271	.220	-1.447
		2	-.210*	.043	.001	-.341
		4	.160	.152	1.000	-.301
	4	1	-.783*	.199	.008	-1.386
		2	-.371	.151	.160	-.829
		3	-.160	.152	1.000	-.622
Control	1	2	.191	.098	.414	-.105
		3	.279	.115	.166	-.069
		4	.230	.097	.184	-.063
	2	1	-.191	.098	.414	-.488
		3	.088	.064	1.000	-.105
		4	.039	.078	1.000	-.198

	3	1	-.279	.115	.166	-.628
		2	-.088	.064	1.000	-.281
		4	-.049	.071	1.000	-.264
	4	1	-.230	.097	.184	-.524
		2	-.039	.078	1.000	-.275
		3	.049	.071	1.000	-.165

Pairwise Comparisons

Measure: IL6

Pengelompokkan	(I) Waktu	(J) Waktu	95% Confidence Interval for Difference Upper Bound
Induksi	1	2	1.184
		3	1.447
		4	1.386
	2	1	.360
		3	.341
		4	.829
	3	1	.202
		2	-.080
		4	.622
	4	1	-.180
		2	.088
		3	.301
Control	1	2	.488
		3	.628
		4	.524
	2	1	.105
		3	.281
		4	.275
	3	1	.069
		2	.105
		4	.165
	4	1	.063
		2	.198
		3	.264

Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

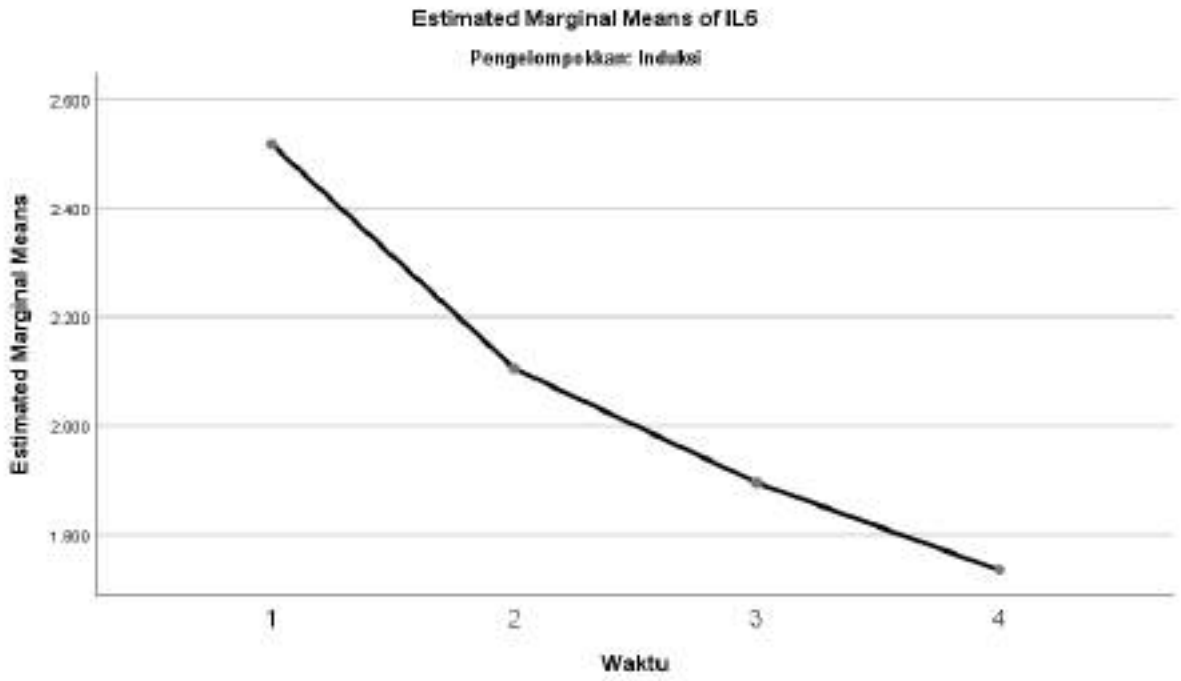
Pengelompokkan		Value	F	Hypothesis df	Error df	Sig.
Induksi	Pillai's trace	.675	9.019[a]	3.000	13.000	.002
	Wilks' lambda	.325	9.019[a]	3.000	13.000	.002
	Hotelling's trace	2.081	9.019[a]	3.000	13.000	.002
	Roy's largest root	2.081	9.019[a]	3.000	13.000	.002
Control	Pillai's trace	.303	1.888[a]	3.000	13.000	.182
	Wilks' lambda	.697	1.888[a]	3.000	13.000	.182
	Hotelling's trace	.436	1.888[a]	3.000	13.000	.182
	Roy's largest root	.436	1.888[a]	3.000	13.000	.182

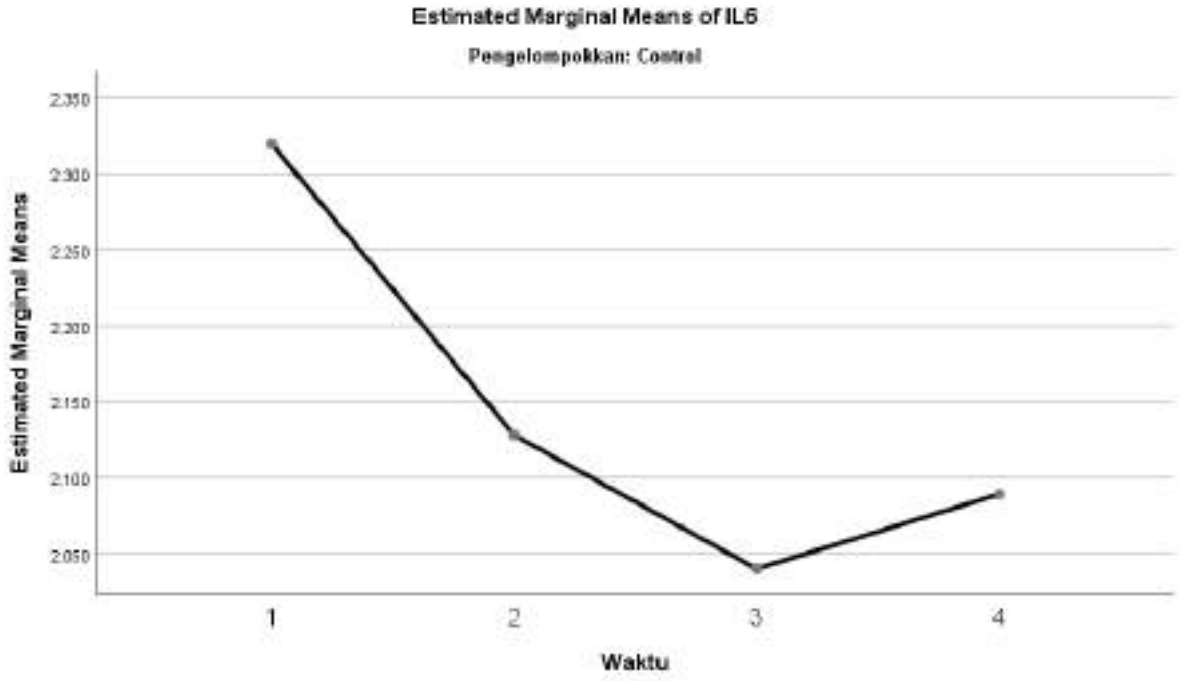
Each F tests the multivariate effect of Waktu. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots

Waktu






```
GLM TIO_1 TIO_3 TIO_5 TIO_7
  /WSFACTOR=Waktu 4 Polynomial
  /MEASURE=TIO
  /METHOD=SSTYPE(3)
  /SAVE=ZRESID
  /PLOT=PROFILE(Waktu) TYPE=LINE ERRORBAR=NO MEANREFERENCE=NO
YAXIS=AUTO
```

/EMMEANS=TABLES(Waktu) COMPARE ADJ(BONFERRONI)
/CRITERIA=ALPHA(.05)
/WSDESIGN=Waktu.

General Linear Model

Notes

Output Created		12-DEC-2024 22:33:59
Comments		
Input	Data	E:\DATA BULANAN\November 2024\dr. Uti (Mata)\Data set.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Pengelompokkan
	N of Rows in Working Data File	32
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Syntax		GLM TIO_1 TIO_3 TIO_5 TIO_7 /WSFACTOR=Waktu 4 Polynomial /MEASURE=TIO /METHOD=SSTYPE(3) /SAVE=ZRESID /PLOT=PROFILE(Waktu) TYPE=LINE ERRORBAR=NO MEANREFERENCE=NO YAXIS=AUTO /EMMEANS=TABLES(Waktu) COMPARE ADJ(BONFERRONI) /CRITERIA=ALPHA(.05) /WSDESIGN=Waktu.
Resources	Processor Time	00:00:01,62
	Elapsed Time	00:00:01,36
Variables Created or Modified	ZRE_13	Standardized Residual for TIO_1
	ZRE_14	Standardized Residual for TIO_3
	ZRE_15	Standardized Residual for TIO_5
	ZRE_16	Standardized Residual for TIO_7

Within-Subjects Factors

Measure: TIO

Waktu	Dependent Variable
1	TIO_1
2	TIO_3
3	TIO_5
4	TIO_7

Multivariate Tests[a]

Pengelompokkan	Effect		Value	F	Hypothesis df	Error df
Induksi	Waktu	Pillai's Trace	.843	23.307[b]	3.000	13.000
		Wilks' Lambda	.157	23.307[b]	3.000	13.000
		Hotelling's Trace	5.379	23.307[b]	3.000	13.000
		Roy's Largest Root	5.379	23.307[b]	3.000	13.000
Control	Waktu	Pillai's Trace	.322	2.059[b]	3.000	13.000
		Wilks' Lambda	.678	2.059[b]	3.000	13.000
		Hotelling's Trace	.475	2.059[b]	3.000	13.000
		Roy's Largest Root	.475	2.059[b]	3.000	13.000

Multivariate Tests[a]

Pengelompokkan	Effect		Sig.
Induksi	Waktu	Pillai's Trace	.000
		Wilks' Lambda	.000
		Hotelling's Trace	.000
		Roy's Largest Root	.000
Control	Waktu	Pillai's Trace	.155
		Wilks' Lambda	.155
		Hotelling's Trace	.155
		Roy's Largest Root	.155

a. Design: Intercept

Within Subjects Design: Waktu

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: TIO

Pengelompokkan	Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.
Induksi	Waktu	.431	11.555	5	.042
Control	Waktu	.829	2.567	5	.767

Mauchly's Test of Sphericity[a]

Measure: TIO

			Epsilon[b]	
Pengelompokkan	Within Subjects Effect	Greenhouse-Geisser	Huynh-Feldt	Lower-bound
Induksi	Waktu	.667	.770	.333
Control	Waktu	.880	1.000	.333

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.[a]

a. Design: Intercept
Within Subjects Design: Waktu

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: TIO

Pengelompokkan	Source		Type III Sum of Squares	df	Mean Square
Induksi	Waktu	Sphericity Assumed	3096.272	3	1032.091
		Greenhouse-Geisser	3096.272	2.001	1547.162
		Huynh-Feldt	3096.272	2.309	1340.688
		Lower-bound	3096.272	1.000	3096.272
	Error(Waktu)	Sphericity Assumed	1533.024	45	34.067
		Greenhouse-Geisser	1533.024	30.019	51.069
		Huynh-Feldt	1533.024	34.642	44.253
		Lower-bound	1533.024	15.000	102.202
Control	Waktu	Sphericity Assumed	15.250	3	5.083
		Greenhouse-Geisser	15.250	2.639	5.778
		Huynh-Feldt	15.250	3.000	5.083
		Lower-bound	15.250	1.000	15.250
	Error(Waktu)	Sphericity Assumed	94.250	45	2.094
		Greenhouse-Geisser	94.250	39.591	2.381
		Huynh-Feldt	94.250	45.000	2.094
		Lower-bound	94.250	15.000	6.283

Tests of Within-Subjects Effects

Measure: TIO

Pengelompokkan	Source		F	Sig.
Induksi	Waktu	Sphericity Assumed	30.296	.000
		Greenhouse-Geisser	30.296	.000
		Huynh-Feldt	30.296	.000
		Lower-bound	30.296	.000
	Error(Waktu)	Sphericity Assumed		
		Greenhouse-Geisser		
		Huynh-Feldt		
		Lower-bound		
Control	Waktu	Sphericity Assumed	2.427	.078

		Greenhouse-Geisser	2.427	.087
		Huynh-Feldt	2.427	.078
		Lower-bound	2.427	.140
	Error(Waktu)	Sphericity Assumed		
		Greenhouse-Geisser		
		Huynh-Feldt		
		Lower-bound		

Tests of Within-Subjects Contrasts

Measure: TIO

Pengelompokkan	Source	Waktu	Type III Sum of Squares	df	Mean Square
Induksi	Waktu	Linear	3016.643	1	3016.643
		Quadratic	59.463	1	59.463
		Cubic	20.165	1	20.165
	Error(Waktu)	Linear	704.586	15	46.972
		Quadratic	366.758	15	24.451
		Cubic	461.680	15	30.779
Control	Waktu	Linear	9.800	1	9.800
		Quadratic	2.250	1	2.250
		Cubic	3.200	1	3.200
	Error(Waktu)	Linear	38.300	15	2.553
		Quadratic	32.250	15	2.150
		Cubic	23.700	15	1.580

Tests of Within-Subjects Contrasts

Measure: TIO

Pengelompokkan	Source	Waktu	F	Sig.
Induksi	Waktu	Linear	64.222	.000
		Quadratic	2.432	.140
		Cubic	.655	.431
	Error(Waktu)	Linear		
		Quadratic		
		Cubic		
Control	Waktu	Linear	3.838	.069
		Quadratic	1.047	.323
		Cubic	2.025	.175
	Error(Waktu)	Linear		
		Quadratic		
		Cubic		

Tests of Between-Subjects Effects

Measure: TIO

Transformed Variable: Average

Pengelompokkan	Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Induksi	Intercept	52353.444	1	52353.444	652.517	.000
	Error	1203.496	15	80.233		
Control	Intercept	16384.000	1	16384.000	1632.957	.000
	Error	150.500	15	10.033		

Estimated Marginal Means

Waktu

Estimates

Measure: TIO

Pengelompokkan	Waktu	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Induksi	1	38.525	2.247	33.735	43.315
	2	31.461	1.535	28.189	34.732
	3	23.814	1.602	20.399	27.228
	4	20.605	1.196	18.057	23.153
Control	1	16.813	.476	15.797	17.828
	2	15.688	.416	14.802	16.573
	3	15.938	.622	14.611	17.264
	4	15.563	.483	14.533	16.592

Pairwise Comparisons

Measure: TIO

Pengelompokkan	(I) Waktu	(J) Waktu	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound
Induksi	1	2	7.064	2.653	.106	-.992
		3	14.711*	2.193	.000	8.053
		4	17.920*	2.572	.000	10.110
	2	1	-7.064	2.653	.106	-15.121
		3	7.647*	1.762	.003	2.298
		4	10.856*	1.566	.000	6.101
	3	1	-14.711*	2.193	.000	-21.369
		2	-7.647*	1.762	.003	-12.996
		4	3.209	1.237	.122	-.547
	4	1	-17.920*	2.572	.000	-25.730
		2	-10.856*	1.566	.000	-15.611
		3	-3.209	1.237	.122	-6.965
Control	1	2	1.125	.491	.220	-.364
		3	.875	.625	1.000	-1.023
		4	1.250	.536	.205	-.378
	2	1	-1.125	.491	.220	-2.614
		3	-.250	.479	1.000	-1.704
		4	.125	.446	1.000	-1.229
	3	1	-.875	.625	1.000	-2.773
		2	.250	.479	1.000	-1.204
		4	.375	.473	1.000	-1.062
	4	1	-1.250	.536	.205	-2.878
		2	-.125	.446	1.000	-1.479
		3	-.375	.473	1.000	-1.812

Pairwise Comparisons

Measure: TIO

Pengelompokkan	(I) Waktu	(J) Waktu	95% Confidence Interval for Difference Upper Bound
Induksi	1	2	15.121
		3	21.369
		4	25.730
	2	1	.992
		3	12.996
		4	15.611
	3	1	-8.053

		2	-2.298
		4	6.965
	4	1	-10.110
		2	-6.101
		3	.547
Control	1	2	2.614
		3	2.773
		4	2.878
	2	1	.364
		3	1.204
		4	1.479
	3	1	1.023
		2	1.704
		4	1.812
	4	1	.378
		2	1.229
		3	1.062

Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

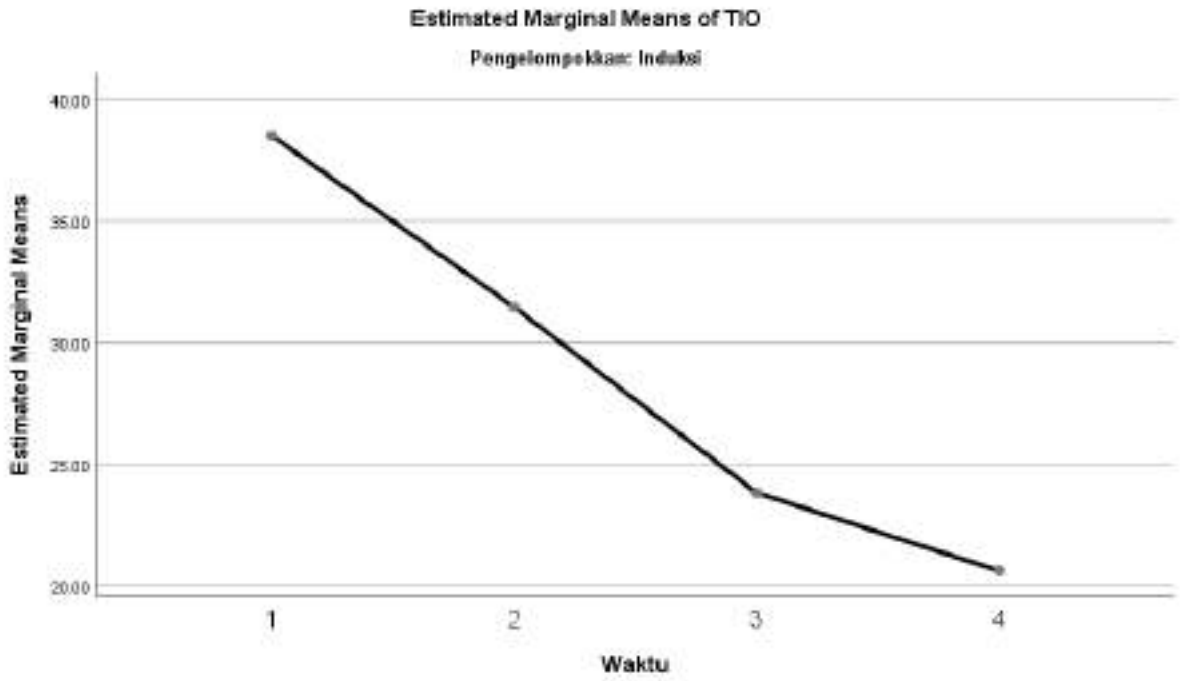
Pengelompokkan		Value	F	Hypothesis df	Error df	Sig.
Induksi	Pillai's trace	.843	23.307[a]	3.000	13.000	.000
	Wilks' lambda	.157	23.307[a]	3.000	13.000	.000
	Hotelling's trace	5.379	23.307[a]	3.000	13.000	.000
	Roy's largest root	5.379	23.307[a]	3.000	13.000	.000
Control	Pillai's trace	.322	2.059[a]	3.000	13.000	.155
	Wilks' lambda	.678	2.059[a]	3.000	13.000	.155
	Hotelling's trace	.475	2.059[a]	3.000	13.000	.155
	Roy's largest root	.475	2.059[a]	3.000	13.000	.155

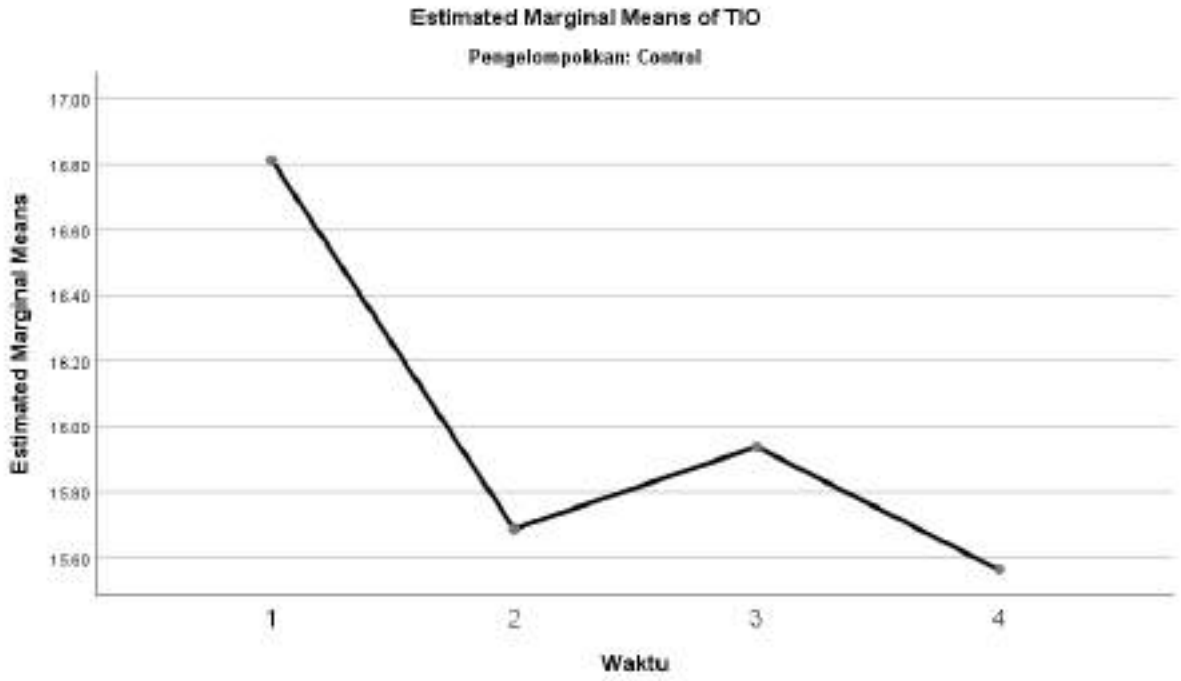
Each F tests the multivariate effect of Waktu. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots

Waktu


Estimated Marginal Means of TIO
Pengelompokkan: Induksi
Estimated Marginal Means
40.00
35.00
30.00
25.00
20.00
1
2
3
4
Waktu


Estimated Marginal Means of TIO
Pengelompokkan: Control
Estimated Marginal Means
17.00
16.80
16.60
16.40
16.20
16.00
15.80
15.60
1
2
3
4
Waktu

```
CORRELATIONS
  /VARIABLES=TIO IL6
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		12-DEC-2024 22:53:10
Comments		
Input	Data	E:\DATA BULANAN\November 2024\dr. Uti (Mata)\Data set.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Pengelompokkan
	N of Rows in Working Data File	128
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		CORRELATIONS /VARIABLES=TIO IL6 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00,03
	Elapsed Time	00:00:00,05

Warnings

The file is not sorted in a consistent manner on the split file variables. It is likely that any procedure output will be incorrect.

Correlations

Pengelompokkan			TIO	IL-6
Induksi	TIO	Pearson Correlation	1	.510*
		Sig. (2-tailed)		.043
		N	16	16
	IL-6	Pearson Correlation	.510*	1
		Sig. (2-tailed)	.043	
		N	16	16
Control	TIO	Pearson Correlation	1	.853**
		Sig. (2-tailed)		.000
		N	16	16
	IL-6	Pearson Correlation	.853**	1
		Sig. (2-tailed)	.000	
		N	16	16
.	TIO	Pearson Correlation	1	.069
		Sig. (2-tailed)		.504
		N	96	96
	IL-6	Pearson Correlation	.069	1
		Sig. (2-tailed)	.504	
		N	96	96

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

**. Correlation is significant at the 0.01 level (2-tailed).

```
NONPAR CORR
  /VARIABLES=TIO IL6
  /PRINT=SPEARMAN TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Nonparametric Correlations

Notes

Output Created		12-DEC-2024 22:53:10
Comments		
Input	Data	E:\DATA BULANAN\November 2024\dr. Uti (Mata)\Data set.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Pengelompokkan
	N of Rows in Working Data File	128
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=TIO IL6 /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00,03
	Elapsed Time	00:00:00,03
	Number of Cases Allowed	629145 cases[a]

a. Based on availability of workspace memory

Warnings

The file is not sorted in a consistent manner on the split file variables. It is likely that any procedure output will be incorrect.

Correlations

Pengelompokkan				TIO	IL-6
Induksi	Spearman's rho	TIO	Correlation Coefficient	1.000	.452
			Sig. (2-tailed)	.	.078
			N	16	16
		IL-6	Correlation Coefficient	.452	1.000

			Sig. (2-tailed)	.078	.
			N	16	16
Control	Spearman's rho	TIO	Correlation Coefficient	1.000	.810**
			Sig. (2-tailed)	.	.000
			N	16	16
		IL-6	Correlation Coefficient	.810**	1.000
			Sig. (2-tailed)	.000	.
			N	16	16
.	Spearman's rho	TIO	Correlation Coefficient	1.000	-.073
			Sig. (2-tailed)	.	.479
			N	96	96
		IL-6	Correlation Coefficient	-.073	1.000
			Sig. (2-tailed)	.479	.
			N	96	96

**. Correlation is significant at the 0.01 level (2-tailed).

```
MEANS TABLES=TIO IL6
  /CELLS=MEAN COUNT STDDEV.
```

Means

Notes

Output Created		12-DEC-2024 22:56:08
Comments		
Input	Data	E:\DATA BULANAN\November 2024\dr. Uti (Mata)\Data set.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	Pengelompokkan
	N of Rows in Working Data File	128

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=TIO IL6 /CELLS=MEAN COUNT STDDEV.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,02

Warnings

The file is not sorted in a consistent manner on the split file variables. It is likely that any procedure output will be incorrect.

Case Processing Summary

		Cases					
		Included		Excluded		Total	
Pengelompokkan		N	Percent	N	Percent	N	Percent
Induksi	TIO	16	100.0%	0	0.0%	16	100.0%
	IL-6	16	100.0%	0	0.0%	16	100.0%
Control	TIO	16	100.0%	0	0.0%	16	100.0%
	IL-6	16	100.0%	0	0.0%	16	100.0%
.	TIO	96	100.0%	0	0.0%	96	100.0%
	IL-6	96	100.0%	0	0.0%	96	100.0%

Report

Pengelompokkan		TIO	IL-6
Induksi	Mean	38.5250	2.5177
	N	16	16
	Std. Deviation	8.98917	.99678

Control	Mean	16.8125	2.3195
	N	16	16
	Std. Deviation	1.90504	.43336
.	Mean	20.5111	1.9988
	N	96	96
	Std. Deviation	7.18659	.43930