DAFTAR PUSTAKA

Abdullah, N., Wan Saidatul, S. W. K., Samicho, Z., Zulkifli, K. S., & Aziman, N. (2012). Study on antioxidant capacity and phenolic content of various parts of wax gourd (Benincasa hispida). *World Applied Sciences Journal*, *19*(7), 1051–1056. https://doi.org/10.5829/idosi.wasj.2012.19.07.2900

Adedapo, A. D. A., Ajayi, A. M., Ekwunife, N. L., Falayi, O. O., Oyagbemi, A., Omobowale, T. O., & Adedapo, A. A. (2020). Antihypertensive effect of Phragmanthera incana (Schum) Balle on NG-nitro-L-Arginine methyl ester (L-NAME) induced hypertensive rats. *Journal of Ethnopharmacology*, *257*(January), 112888. https://doi.org/10.1016/j.jep.2020.112888

Aekthammarat, D., Pannangpetch, P., & Tangsucharit, P. (2020). Moringa oleifera leaf extract induces vasorelaxation via endothelium-dependent hyperpolarization and calcium channel blockade in mesenteric arterial beds isolated from L-NAME hypertensive rats. *Clinical and Experimental Hypertension*, *42*(6), 490–501. https://doi.org/10.1080/10641963.2020.1714640

Al-snafi, A. E. (2013). *The Pharmacological Importance of Benincasa hispida . A review*. *4*(12), 165–170.

Aqilah, N., Hamid, A. A., Aided, C., & Design, D. (2010). Nutritional Composition And Oil Fatty Acids Of Kundur [Benincasa hispida (Thunb.) Cogn.] Seed. *Pakistan Journal of Botany*, *42(5)*(March 2014), 3247–3255.

Armstrong, P. W., & Willerson, J. T. (1998). Clinical cardiology: New frontiers. *Circulation*, *97*(12), 1107.

Bercea, C., Cottrell, G. S., Tamagnini, F., & Mcneish, A. J. (2021). *Omega-3 polyunsaturated fatty acids (ω-3 PUFAs) and hypertension : a review of vasodilatory mechanisms of DHA and EPA .* 0–2. https://doi.org/10.1111/bph.15336

Carretero, O. A., & Oparil, S. (2000). Essential hypertension. Part I: Definition and etiology. *Circulation*. https://doi.org/10.1161/01.CIR.101.3.329

Cheng, Z. J., Vapaatalo, H., & Mervaala, E. (2005). Angiotensin II and vascular inflammation. *Medical Science Monitor*, *11*(6), 194–205.

Clark, J. L., Zahradka, P., & Taylor, C. G. (2015). Efficacy of flavonoids in the management of high blood pressure. *Nutrition Reviews*, *73*(12), 799–822. https://doi.org/10.1093/nutrit/nuv048

Cuzzocrea, S., Mazzon, E., Dugo, L., Di Paola, R., Caputi, A. P., & Salvemini, D. (2004). Superoxide: a key player in hypertension. *The FASEB Journal*. https://doi.org/10.1096/fj.03-0428com

Depkes RI. (2017). Farmakope Herbal Indonesia Jilid II. In *Kementrian Kesehatan RI*.

Dipiro, J. T., Talbert, G. C. ., Yee, G. R. ., Matzke, B. G. ., & Wells, L. M. P. (2017). Pharmacotherapy: A Pathophysiology Approach, 10th Edition. *Mc-Graw Hill Medical*.

Dipiro JT, Talbert AL, Yees GC, Matzke GR, Wells BG, P. L. (2005). *Pharmacotherapy –a pathophysiologic approch* (Vol. 6).

Doshi, G. M., Chaskar, P. K., & Une, H. D. (2016). Revelation of β-sitosterol from benincasa hispida seeds, carissa congesta roots and polyalthia longifolia leaves by high performance liquid chromatography. *Pharmacognosy Journal*, *8*(6), 610–613. https://doi.org/10.5530/pj.2016.6.15

Garg, N., Mathur, P., Saraswat, R., & Sharma, C. (2018). Effect Of Ethanolic Fruits Extract Of Embelia Ribes Burm On Dexamethasone Induced Insulin Resistance In Mice. *International Journal of Innovative Science & Technology*. https://doi.org/10.22270/ijist.v1i2.31

Gbadamosi, S. O., Fasuan, T. O., & Technology, P. (2017). Fatty Acid Profile , Physico-Chemical And Functional Properties Of Oil And Protein Isolate Simultaneously Extracted From Sesame (Sesamum Indicum) Seed. (April).

George J. Krinke-The Laboratory Rat (Handbook of Experimental Animals)-Academic Press (2000).pdf. (n.d.).

Gill, N. S., Dhiman, K., Sharma, P., Bajwa, J., Sood, S., Sharma, P. D., … Bali, M. (2011). Evaluation of free radical scavenging and antiulcer potential of methanolic extract of benincasa hispida seeds. *Research Journal of Medicinal Plant*. https://doi.org/10.3923/rjmp.2011.596.604

González, J. (2014). Essential hypertension and oxidative stress: New insights. *World Journal of Cardiology*, *6*(6), 353. https://doi.org/10.4330/wjc.v6.i6.353

Griendling, K. K., Sorescu, D., & Ushio-Fukai, M. (2000). NAD(P)H oxidase: Role in cardiovascular biology and disease. *Circulation Research*, *86*(5), 494–501. https://doi.org/10.1161/01.RES.86.5.494

H.S., V., S., K., B.M., V. S., P., A. S., & G.G., R. (2013). Nephroprotective activity of Benincasa hispida (Thunb.) Cogn. fruit extract against cisplatin induced nephrotoxicity in rats. *Research Journal of*

Pharmaceutical, Biological and Chemical Sciences.

Hall, J. E., Granger, J. P., do Carmo, J. M., da Silva, A. A., Dubinion, J., George, E., … Hall, M. E. (2012). Hypertension: Physiology and pathophysiology. *Comprehensive Physiology*, *2*(4), 2393–2442. https://doi.org/10.1002/cphy.c110058

Harborne. (1996). Harborne, J. B. 1996. Metode Fitokimia : Penuntun Cara Modern Menganalisa Tumbuhan. Penerbit ITB, Bandung. *Jurnal Kimia Riset*.

Harborne, J. B. (1984). Phytochemical Methods : A Guide to Modern Techniques of Plant Analysis. second ed., Chapman and Hall, New York, USA. In *Chapmer and Hall*.

Hong, H. J., Chan, P., Liu, J. C., Juan, S. H., Huang, M. T., Lin, J. G., & Cheng, T. H. (2004). Angiotensin II induces endothelin-1 gene expression via extracellular signal-regulated kinase pathway in rat aortic smooth muscle cells. *Cardiovascular Research*, *61*(1), 159–168. https://doi.org/10.1016/j.cardiores.2003.10.019

Huang, H. Y., Huang, J. J., Tso, T. K., Tsai, Y. C., & Chang, C. K. (2004). Antioxidant and angiotension-converting enzyme inhibition capacities of various parts of Benincasa hispida (wax gourd). *Nahrung - Food*, *48*(3), 230–233. https://doi.org/10.1002/food.200300428

Hügel, H. M., Jackson, N., May, B., Zhang, A. L., & Xue, C. C. (2016). Polyphenol protection and treatment of hypertension. *Phytomedicine*, *23*(2), 220–231. https://doi.org/10.1016/j.phymed.2015.12.012

Ikeda, K., Jr, O. G. G., & Yamori, Y. (1992). Dietary Ng-Nitr0-L-Arginine Induces Sustained Hypertension In Normotensive Wistar-Kyoto Rats. *Clinical and Experimental Pharmacology and Physiology*. https://doi.org/10.1111/j.1440-1681.1992.tb00508.x

Intengan, H. D., & Schiffrin, E. L. (2001). Vascular remodeling in hypertension: roles of apoptosis, inflammation, and fibrosis. *Hypertension*. https://doi.org/10.1161/hy09t1.096249

J Bolívar, J. (2013). Essential Hypertension: An Approach to Its Etiology and Neurogenic Pathophysiology. *International Journal of Hypertension*, *2013*, 547809.

Jan-on, G., Sangartit, W., Pakdeechote, P., Kukongviriyapan, V., Sattayasai, J., Senaphan, K., & Kukongviriyapan, U. (2020). Virgin rice bran oil alleviates hypertension through the upregulation of eNOS and reduction of oxidative stress and inflammation in L-NAME–induced hypertensive rats. *Nutrition*, *69*, 110575. https://doi.org/10.1016/j.nut.2019.110575

JNC VII. (2003). Prevention , Detection , Evaluation , and Treatment of. *Blood Pressure*. https://doi.org/10.1161/01.HYP.0000107251.49515.c2

Kanthlal, S. K., Joseph, J., Paul, B., Vijayakumar, M., & Uma Devi, P. (2020). Antioxidant and vasorelaxant effects of aqueous extract of large cardamom in L-NAME induced hypertensive rats. *Clinical and Experimental Hypertension*, *42*(7), 581–589. https://doi.org/10.1080/10641963.2020.1739699

Kaplan's Clinical Hypertension. (2002). *Arterial'naâ Gipertenziâ*.

Kesehatan, D. J. K. dan A. (2017). Farmakope Herbal Indonesia Edisi II Tahun 2017. In *Farmakope Herbal Indonesia Edisi II Tahun 2017*.

Kurtel, H., Rodrigues, S. F., Yilmaz, C. E., Yildirim, A., & Granger, D. N. (2013). Impaired vasomotor function induced by the combination of hypertension and hypercholesterolemia. *Journal of the American Society of Hypertension*, *7*(1), 14–23. https://doi.org/10.1016/j.jash.2012.11.005

Latief Qadrie, Z., Anandan, R., Ashraf, H., & Qadrie, Z. L. (2011). Diuretic Aad Ceetral Ervous System Depressaat Effects of the Ethaaolic Extract of Beeiicasa Hispida Seeds. *Pharmacologyonline*, *3*, 1305–1311.

Lee, K. H., Choi, H. R., & Kim, C. H. (2005). Anti-angiogenic effect of the seed extract of Benincasa hispida Cogniaux. *Journal of Ethnopharmacology*. https://doi.org/10.1016/j.jep.2004.12.008

Lee, Q. Y., Redmond, S. J., Chan, G. S. H., Middleton, P. M., Steel, E., Malouf, P., … Lovell, N. H. (2013). Estimation of cardiac output and systemic vascular resistance using a multivariate regression model with features selected from the finger photoplethysmogram and routine cardiovascular measurements. *BioMedical Engineering Online*, *12*(1), 1–15. https://doi.org/10.1186/1475-925X-12-19

Lin, Y. J., Kwok, C. F., Juan, C. C., Hsu, Y. P., Shih, K. C., Chen, C. C., & Ho, L. T. (2014). Angiotensin II enhances endothelin-1-induced vasoconstriction through upregulating endothelin type A receptor. *Biochemical and Biophysical Research Communications*, *451*(2), 263–269. https://doi.org/10.1016/j.bbrc.2014.07.119

Maaliki, D., Shaito, A. A., Pintus, G., El-Yazbi, A., & Eid, A. H. (2019). Flavonoids in hypertension: a brief review of the underlying mechanisms. *Current Opinion in Pharmacology*, *45*, 57–65. https://doi.org/10.1016/j.coph.2019.04.014

Mancia, G., & Grassi, G. (2005). Joint National Committee VII and European Society of Hypertension/European Society of Cardiology guidelines for evaluating and treating hypertension: A two-way road? *Journal of the American Society of Nephrology*. https://doi.org/10.1681/ASN.2004110963

Mandal, U., De, D., Ali, K. M., Biswas, A., & Ghosh, D. (2012). Effect of different solvent extracts of Benincasa hispida T. on experimental hypochlorhydria in rat. *Journal of Advanced Pharmaceutical Technology and Research*, *3*(1), 41–46. https://doi.org/10.4103/2231-4040.93563

Mandana, B., Russly, A. R., Farah, S. T., Noranizan, M. A., Zaidul, I. S., & Ali, G. (2012). Antioxidant activity of winter melon (benincasa hispida) seeds using conventional soxhlet extraction technique. *International Food Research Journal*, *19*(1), 229–234.

Manohar, V. S. (2011). Diuretic Effect Of Chloroform Extract Of Benincasa Hispida Rind (Pericarp) In Sprague-Dawley Rats T . Jayasree *, K . Kiran Kishore , M Vinay , P Vasavi , Rohit Dixit , M Rajanikanth , Department of Pharmacology , Mamata Medical College , Khammam-507002. *Test*, (2), 94–99.

Medical, K. (1999). *Increased nitric oxide synthase mRNA expression in the renal medulla of water-deprived rats*. *56*, 2191–2202. https://doi.org/10.1046/j.1523-1755.1999.00795.x

Medications, B. P., & Changes, M. (2014). Treatment of Hypertension: JNC 8 and More. *Research Center*, *3120*(February), 209–472. Retrieved from www.PharmacistsLetter.com%5Cnwww.PrescribersLetter.com%5Cnww.PharmacyTechniciansLetter.com

Messerli, F. H. (2011). *Chapter 1 Definition of hypertension*.

Mohammed, M., & Abdelhafiz, K. (2015). Autoantibodies in the sera of breast cancer patients: Antinuclear and anti-double stranded DNA antibodies as example. *Journal of Cancer Research and Therapeutics*, *11*(2), 341–344. https://doi.org/10.4103/0973-1482.157314

Molyneux, P. (2004). The Use of the Stable Free Radical Diphenylpicryl-hydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin Journal of Science and Technology*. https://doi.org/10.1287/isre.6.2.144

Morton, J. F., & Collectanea, M. (1971). The Wax Gourd , a Year-Round Florida Vegetable With Unusual Keeping Quality. *Proceeding of the Florida State Horticultural Society*, 104–109.

P2PTM, K. R. (2019). Hari Hipertensi Duania 2019 ":Know Your Number, Kendalikan tekanan Darahmu dengan CERDIK". *Kementrian Kesehatan Republik Indonesia*.

Paravicini, T. M., & Touyz, R. M. (2006). Redox signaling in hypertension. *Cardiovascular Research*. https://doi.org/10.1016/j.cardiores.2006.05.001

Pechánová, O., Bernátová, I., Babál, P., Martínez, M. C., Kyselá, S., Stvrtina, S., & Andriantsitohaina, R. (2004). Red wine polyphenols prevent cardiovascular alterations in L-NAME-induced hypertension. *Journal of Hypertension*, *22*(8), 1551–1559. https://doi.org/10.1097/01.hjh.0000133734.32125.c7

Qadrie, Z. L., Hawisa, N. T., Khan, M. W. A., Samuel, M., & Anandan, R. (2009). Antinociceptive and anti-pyretic activity of Benincasa hispida (Thunb.) Cogn. in Wistar albino rats. *Pakistan Journal of Pharmaceutical Sciences*.

Rahimmanesh, I., Shahrezaei, M., & Rashidi, B. (2012). High blood pressure and endothelial dysfunction: Effects of high blood pressure medications on endothelial dysfunction and new treatments. *Journal of Research in Medical Sciences*, *17*(SUPPL.2).

Ribeiro, M. O., Antunes, E., De Nucci, G., Lovisolo, S. M., & Zatz, R. (1992). Chronic inhibition of nitric oxide synthesis: A new model of arterial hypertension. *Hypertension*. https://doi.org/10.1161/01.HYP.20.3.298

Rincón, J., Correia, D., Arcaya, J. L., Finol, E., Fernández, A., Pérez, M., … Romero, F. (2015). Role of Angiotensin II type 1 receptor on renal NAD(P)H oxidase, oxidative stress and inflammation in nitric oxide inhibition induced-hypertension. *Life Sciences*, *124*, 81–90. https://doi.org/10.1016/j.lfs.2015.01.005

Rodrigo, R., González, J., & Paoletto, F. (2011). The role of oxidative stress in the pathophysiology of hypertension. *Hypertension Research*, *34*(4), 431–440. https://doi.org/10.1038/hr.2010.264

Samad, N. B., Debnath, T., Jin, H. L., Lee, B. R., Park, P. J., Lee, S. Y., & Lim, B. O. (2013). Antioxidant activity of Benincasa hispida seeds. *Journal of Food Biochemistry*, *37*(4), 388–395. https://doi.org/10.1111/j.1745-4514.2011.00643.x

Schulz, E., Gori, T., & Münzel, T. (2011). Oxidative stress and endothelial dysfunction in hypertension. *Hypertension Research*. https://doi.org/10.1038/hr.2011.39

Seyed Mehrdad Hamrahian, M. (2017). Pathophysiology of Hypertension: Pathogenesis of Essential Hypertension, Factors Influencing BP Regulation, Etiology of Essential Hypertension. *Medscape*.

Sharma, S., Verma, H. N., & Sharma, N. K. (2014). Cationic bioactive peptide from the seeds of benincasa hispida. *International Journal of Peptides*, *2014*. https://doi.org/10.1155/2014/156060

Sharp, P., & Villano, J. (2012). The laboratory rat, second edition. In *The Laboratory Rat, Second Edition*. https://doi.org/10.1201/b13862

Steenis, C. G. G. J. van, & Steenis-Kruseman, M. J. van. (2011). Flora Malesiana. general editor, C.G.G.J. van Steenis. In *Flora Malesiana. general editor, C.G.G.J. van Steenis.* https://doi.org/10.5962/bhl.title.40744

Su, J. B. (2015). Vascular endothelial dysfunction and pharmacological treatment. *World Journal of Cardiology*. https://doi.org/10.4330/wjc.v7.i11.719

Sugito. (2010). *Uji toksisitas akut dan subkronis biji buah bligo (Benincasa hispida (Thunb.) Cogn.) secara in vivo pada tikus sprague dawley*. Retrieved from https://123dok.com/document/oy8me54z-uji-toksisitas-akut-dan-subkronis-biji-buah-bligo-benincasa-hispida-thunb-cogn-secara-in-vivo-pada-tikus-sprague-dawley.html

Tabassum, N., & Ahmad, F. (2011). Role of natural herbs in the treatment of hypertension. *Pharmacognosy Reviews*. https://doi.org/10.4103/0973-7847.79097

Tata, C. M., Sewani-Rusike, C. R., Oyedeji, O. O., Gwebu, E. T., Mahlakata, F., & Nkeh-Chungag, B. N. (2019). Antihypertensive effects of the hydro-ethanol extract of Senecio serratuloides DC in rats. *BMC Complementary and Alternative Medicine*, *19*(1), 1–10. https://doi.org/10.1186/s12906-019-2463-2

Teuku, U., Meulaboh, U., Umar, U. T., Penyareng, J. A., Teknologi, D., Perairan, H., & Agatis, J. (2017). *Karakteristik Squalene Minyak Hati Ikan Cucut Hasil Produksi Pelabuhan Ratu*. *20*.

Une, H. D., & Doshi, G. M. (2014). Chromatographic studies on Benincasa hispida (thunb.) Cogn. Seed extract scrutinized by HPLC and HPTLC. *Pharmacognosy Journal*, *6*(3), 42–48. https://doi.org/10.5530/pj.2014.3.7

Viera, A. J., & Neutze, D. M. (2010). Diagnosis of secondary hypertension: An age-based approach. *American Family Physician*.

Wells, B. G., DiPiro, J. T., Schwinghammer, T. L., & DiPiro, C. V. (2017). Pharmacotherapy Handbook,Tenth Edition. In *McGraw-Hill Companies*.

Yusuf, S., Hawken, S., & Ounpuu, S. (2004). Erratum: Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the INTERHEART study): Case-control study (Lancet (2004) 364 (937-952)). *Lancet*, *364*(9450), 2020. https://doi.org/10.1016/S0140-6736(04)17513-2

Zaini, N. A. M., Anwar, F., Hamid, A. A., & Saari, N. (2011). Kundur [Benincasa hispida (Thunb.) Cogn.]: A potential source for valuable nutrients and functional foods. *Food Research International*, *44*(7), 2368–2376. https://doi.org/10.1016/j.foodres.2010.10.024

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN KESEHATAN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
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REKOMENDASI PERSETUJUAN ETIK

Nomor : 716/UN4.6.4.5.31/ PP36/ 2021

Tanggal: 9 Nopember 2021

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

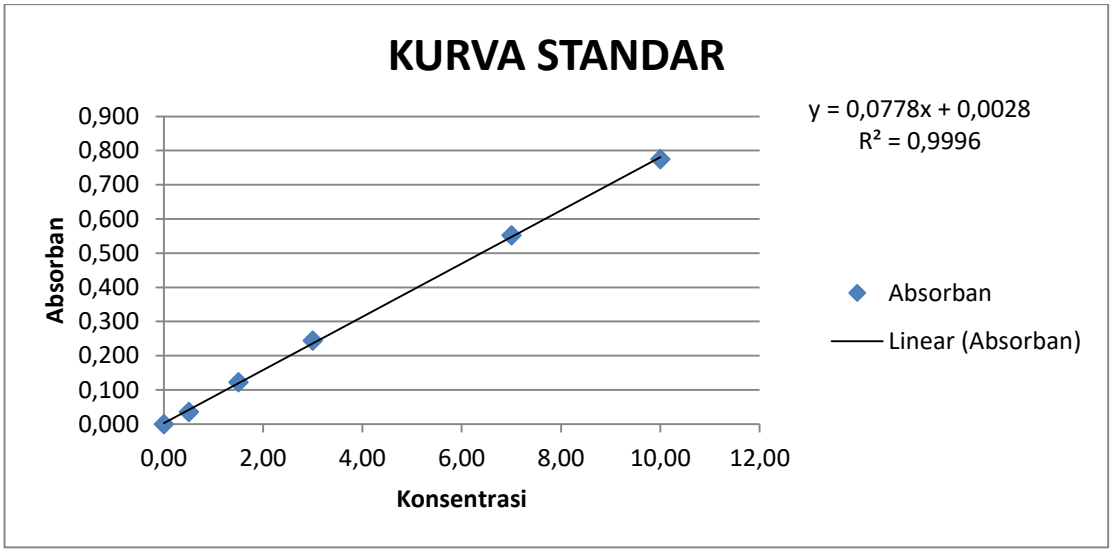
No Protokol	UH21090545	No Sponsor Protokol	
Peneliti Utama	**Apt. Nur Alim, M.Si**	Sponsor	
Judul Peneliti	UJI EFEK ANTIHIPERTENSI EKSTRAK BIJI BUAH BELIGO (Benincasa hispida (Thunb.) Cogn.) BERDASARKAN PEMERIKSAAN EKSPRESI mRNA GEN ANGIOTENSIN II , ENDOTELIN-1 PADA HEWAN COBA TIKUS PUTIH (Rattus norvegicus) GALUR WISTAR YANG DIINDUKSI L-NAME		
No Versi Protokol	**1**	Tanggal Versi	**7 September 2021**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Fakultas Farmasi Universitas Hasanuddin dan Laboratorium Riset Kedokteran (Hasanuddin University medical research centre) Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku **9 Nopember 2021** sampai **9 Nopember 2022**	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH RSUH dan RSWS	Nama **Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)**	Tanda tangan	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH RSUH dan RSWS	Nama **dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (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

DATA KADAR POLIFENOL TOTAL

Nama Sampel	Konsentrasi	Absorban
Blanko	0,00	0,000
ASAM GALAT 1	0,50	0,035
ASAM GALAT 2	1,50	0,122
ASAM GALAT 3	3,00	0,244
ASAM GALAT 4	7,00	0,552
ASAM GALAT 5	10,00	0,775



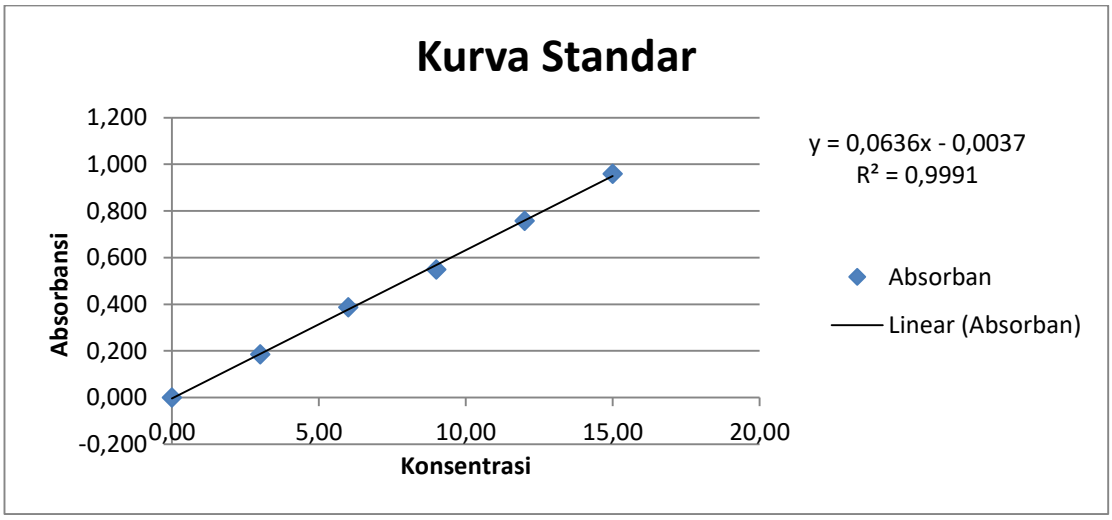
Nama Sampel	Absorban	Konsentrasi Polifenol Total Sampel (ppm)	mg sampel	Faktor Pengenceran	Kadar Polifenol Total Sampel % b/b	Rata-rata Kadar Polifenol Total Sampel (%b/b)
EBB Etanol 70% 1	0,243	3,085	11,4	20,00	5,412	5,608±0,208399
EBB Etanol 70% 2	0,250	3,184	11,4	20,00	5,586	
EBB Etanol 70% 3	0,260	3,321	11,4	20,00	5,827	

Nama sampel : EBB (Ekstrak Biji Beligo)
Tanggal Ekstraksi : 19 Oktober 2021
Tanggal Selesai : 22 November 2021

DATA KADAR TANIN TOTAL

Nama Sampel	Konsentrasi	Absorban
Blanko	0,00	0,000
EGCG 1	3,00	0,186
EGCG 2	6,00	0,387
EGCG 3	9,00	0,549
EGCG 4	12,00	0,758
EGCG 5	15,00	0,960

Keterangan :
EGCC : Epigallocatechin Gallate

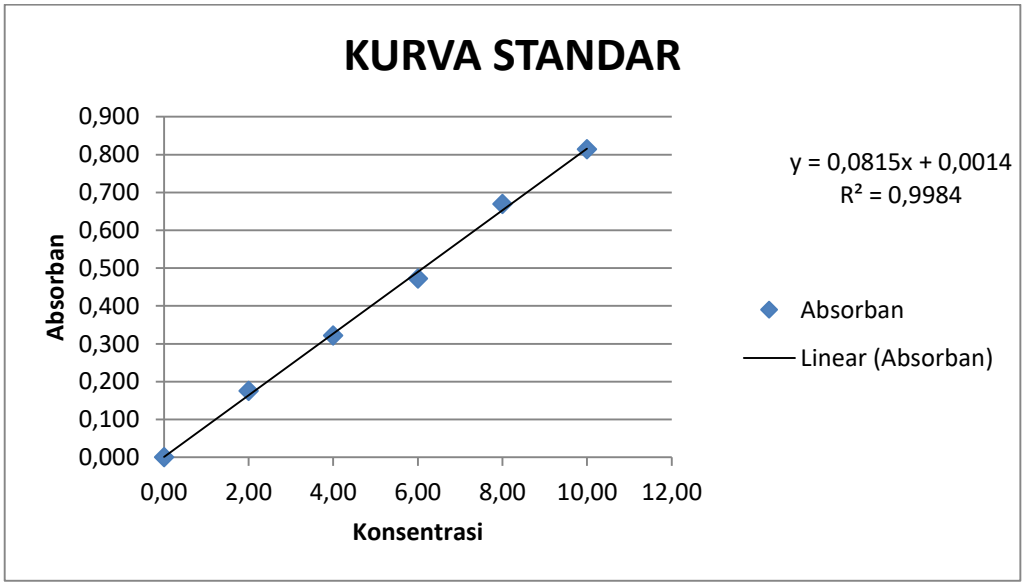


Nama Sampel	Absorban	Konsentrasi Total Tanin Sampel (ppm)	mg sampel	Faktor Pengenceran	Kadar Total Tanin Sampel % b/b	Rata-rata Kadar Total Tanin Sampel (%b/b)
EBB Etanol 70% 1	0,354	5,635	10,1	10,00	5,579	5,503±0,086962
EBB Etanol 70% 2	0,345	5,462	10,1	10,00	5,408	
EBB Etanol 70% 3	0,351	5,576	10,1	10,00	5,521	

Nama sampel : EBB (Ekstrak Biji Beligo)
Tanggal Ekstraksi : 19 Oktober 22 November 2021
Tanggal Selesai : 22 November 2021

DATA KADAR FLAVONOID TOTAL

Nama Sampel	Konsentrasi	Absorban
Blanko	0,00	0,000
QUERCETIN 1	2,00	0,175
QUERCETIN 2	4,00	0,322
QUERCETIN 3	6,00	0,472
QUERCETIN 4	8,00	0,669
QUERCETIN 5	10,00	0,814



Nama Sampel	Absorban	Konsentrasi Flavonoid Total Sampel (ppm)	mg sampel	Faktor Pengenceran	Kadar Flavonoid Total Sampel % b/b	Rata-rata Kadar Flavonoid Total Sampel (%b/b)
EBB Etanol 70% 1	0,117	1,421	50,1	5,00	0,142	0,143±0,001155
EBB Etanol 70% 2	0,119	1,444	50,1	5,00	0,144	
EBB Etanol 70% 3	0,119	1,439	50,1	5,00	0,144	

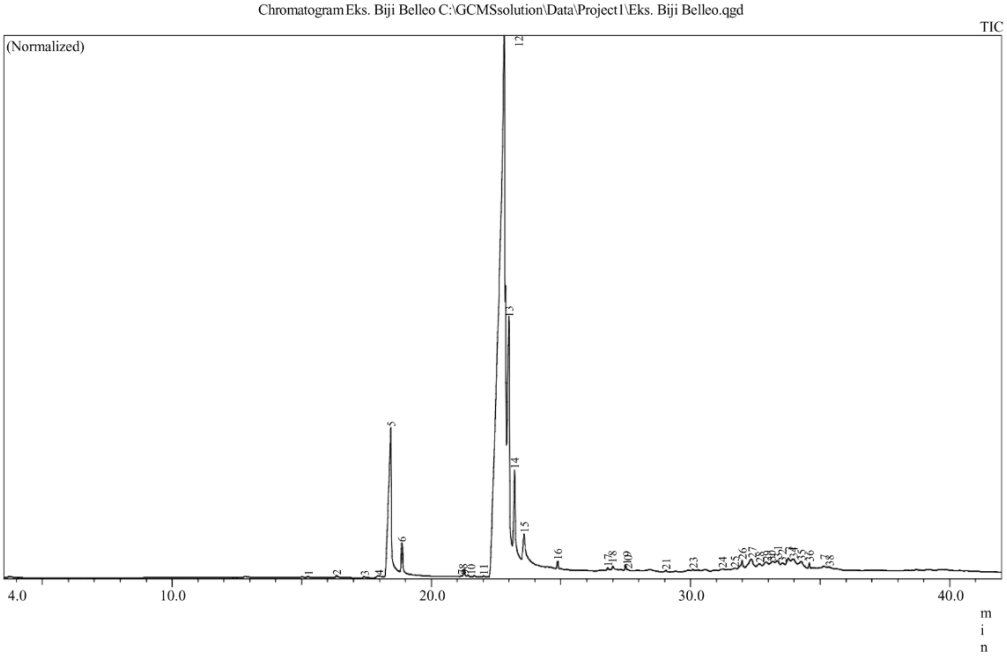
Nama sampel : EBB (Ekstrak Biji Beligo)
Tanggal Ekstraksi : 19 Oktober 22 November 2021
Tanggal Selesai : 22 November 2021

DATA REPORT GCMS-QP2010 ULTRA SHIMADZU

Sample Information

Analyzed by	: Admin
Analyzed	: 4/10/2022 1:10:21 PM
Sample Type	: Unknown
Level #	: 1
Sample Name	: Eks. Biji Beligo
Sample ID	:
IS Amount	: [1]=1
Sample Amount	: 1

Chromatogram Eks. Biji Belleo C:\GCMSsolution\Data\Project1\Eks. Biji Belleo.qgd



Peak Report TIC

Peak#	R.Time	Area	Area%	A/H	Name
1	15.240	215761	0.03	3.83	ETHYL PENTADECANOATE
2	16.343	462916	0.05	3.83	1,2-BENZENEDICARBOXYLIC ACID, BIS(2-METHYLPROPYL) ESTER
3	17.410	329561	0.04	3.59	HEXADECANOIC ACID, METHYL ESTER
4	17.942	853857	0.10	10.39	9-HEXADECENOIC ACID
5	18.438	75076388	8.72	8.49	n-Hexadecanoic acid
6	18.868	9519295	1.11	4.97	HEXADECANOIC ACID, ETHYL ESTER
7	21.150	206161	0.02	3.99	Hexadecanoic acid, propyl ester
8	21.261	1757624	0.20	3.84	9,12-Octadecadienoic acid, methyl ester
9	21.416	392150	0.05	3.90	9-Octadecenoic acid (Z)-, methyl ester
10	21.651	285246	0.03	4.08	10-OCTADECENOIC ACID, METHYL ESTER
11	22.022	196272	0.02	3.43	Octadecanoic acid, methyl ester
12	22.812	548665986	63.75	17.16	9,12-Octadecadienoic acid (Z,Z)-
13	22.997	98398668	11.43	6.46	cis-Vaccenic acid
14	23.214	40739768	4.73	6.80	Octadecanoic acid
15	23.578	22033867	2.56	10.67	9,12-Octadecadienoic acid (Z,Z)-
16	24.874	1444196	0.17	3.23	trans,trans-9,12-Octadecadienoic acid, propyl ester
17	26.808	572705	0.07	3.69	Butyl 9,12-octadecadienoate
18	27.002	938549	0.11	4.69	METHYL OCTADECA-9,12-DIENOATE
19	27.500	1004693	0.12	3.49	Hexanedioic acid, bis(2-ethylhexyl) ester
20	27.600	172582	0.02	3.86	TETRADECANOIC ACID, ETHYL ESTER
21	29.053	281763	0.03	3.05	1H-INDOLE-3-ETHANAMINE
22	29.883	335049	0.04	7.40	5-Nitro-2-methylindole
23	30.090	194890	0.02	2.94	1,2-BENZENEDICARBOXYLIC ACID
24	31.264	663789	0.08	9.62	Dodecanoic acid, 1,2,3-propanetriyl ester
25	31.675	574528	0.07	9.46	Dodecanoic acid, 1,2,3-propanetriyl ester
26	31.986	3844400	0.45	7.00	3-(DIDEUTEROMETHOXYMETHOXY)-2,3-DIMETHYL-1-UNDECENE
27	32.343	8383708	0.97	14.11	Dodecanoic acid, 1,2,3-propanetriyl ester
28	32.656	3698199	0.43	11.41	Dodecanoic acid, 1,2,3-propanetriyl ester
29	32.926	5122684	0.60	12.44	Dodecanoic acid, 1,2,3-propanetriyl ester
30	33.133	5770109	0.67	13.68	DODECANOIC ACID, 1,2,3-PROPANETRIYL ESTER
31	33.340	4493403	0.52	9.33	DODECANOIC ACID, 1,2,3-PROPANETRIYL ESTER
32	33.557	3133977	0.36	8.90	Dodecanoic acid, 1,2,3-propanetriyl ester
33	33.774	6243777	0.73	9.97	DODECANOIC ACID, 1,2,3-PROPANETRIYL ESTER
34	33.960	6897452	0.80	11.85	DODECANOIC ACID, 1,2,3-PROPANETRIYL ESTER
35	34.274	5494626	0.64	13.10	Dodecanoic acid, 1,2,3-propanetriyl ester
36	34.582	943464	0.11	2.87	Squalene
37	35.125	692176	0.08	8.79	OCTADECANOIC ACID, 3-[(1-OXODODECYL)OXY]-1,2-PROPANEDIYL ESTER
38	35.331	576537	0.07	6.18	OCTADECANOIC ACID, (2-PHENYL-1,3-DIOXOLAN-4-YL)METHYL ESTER, CI
		860610776	100.00		

LAMPIRAN ANALISIS DATA
PENGUKURAN TEKANAN DARAH SISTOLIK

Descriptives

Notes

Output Created		03-Jul-2022 21:39:59
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=PRE_SISTOLIK_AQUADEST PRE_SISTOLIK_EBB100 PRE_SISTOLIK_EBB200 PRE_SISTOLIK_EBB300 PRE_SISTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PRE SISTOLIK AQUADEST	5	119.00	137.00	1.2620E2	7.32803
PRE SISTOLIK EBB 100	5	126.00	139.00	1.3320E2	5.84808
PRE SISTOLIK EBB 200	5	126.00	170.00	1.4660E2	17.93878
PRE SISTOLIK EBB 300	5	93.00	140.00	1.2340E2	19.55249
PRE SISTOLIK CAPTOPRIL	5	96.00	149.00	1.2660E2	23.15815
Valid N (listwise)	5				

Descriptives

Notes

Output Created		03-Jul-2022 20:40:32
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=INDUKSI_SISTOLIK_AQUADEST INDUKSI_SISTOLIK_EBB100 INDUKSI_SISTOLIK_EBB200 INDUKSI_SISTOLIK_EBB300 INDUKSI_SISTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
INDUKSI SISTOLIK AQUADEST	5	204.00	241.00	2.2380E2	17.64086
INDUKSI SISTOLIK EBB 100	5	200.00	223.00	2.1460E2	9.50263
INDUIKSI SISTOLIK EBB 200	5	210.00	258.00	2.2520E2	19.20156
INDUKSI SISTOLIK EBB 300	5	198.00	258.00	2.3000E2	24.12468
INDUKSI SISTOLIK CAPTOPRIL	5	202.00	221.00	2.1220E2	7.85493
Valid N (listwise)	5				

Descriptives

Notes

Output Created		03-Jul-2022 21:35:19
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=POST_SISTOLIK_AQUADEST POST_SISTOLIK_EBB100 POST_SISTOLIK_EBB200 POST_SISTOLIK_EBB300 POST_SISTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\UJI T SISTOLIK.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
POST SISTOLIK AQUADEST	5	197.00	236.00	2.1660E2	14.57052
POST SISTOLIK EBB 100	5	121.00	174.00	1.4100E2	21.05944
POST SISTOLIK EBB 200	5	128.00	151.00	1.3980E2	8.75785
POST SISTOLIK EBB 300	5	126.00	161.00	1.3980E2	14.65264
POST SISTOLIK CAPTOPRIL	5	130.00	153.00	1.4280E2	9.52365
Valid N (listwise)	5				

T-Test

Notes

Output Created		03-Jul-2022 19:22:12
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=INDUKSI_SISTOLIK_AQUADEST INDUKSI_SISTOLIK_EBB100 INDUKSI_SISTOLIK_EBB200 INDUKSI_SISTOLIK_EBB300 INDUKSI_SISTOLIK_CAPTOPRIL WITH POST_SISTOLIK_AQUADEST POST_SISTOLIK_EBB100 POST_SISTOLIK_EBB200 POST_SISTOLIK_EBB300 SISTOLIK_SISTOLIK_CAPTOPRIL (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.094
	Elapsed Time	00:00:00.216

[DataSet0]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI SISTOLIK AQUADEST	2.2380E2	5	17.64086	7.88923
	POST SISTOLIK AQUADEST	2.1660E2	5	14.57052	6.51613
Pair 2	INDUKSI SISTOLIK EBB 100	2.1460E2	5	9.50263	4.24971
	POST SISTOLIK EBB 100	1.4100E2	5	21.05944	9.41807
Pair 3	INDUIKSI SISTOLIK EBB 200	2.2520E2	5	19.20156	8.58720
	POST SISTOLIK EBB 200	1.3980E2	5	8.75785	3.91663
Pair 4	INDUKSI SISTOLIK EBB 300	2.3000E2	5	24.12468	10.78888
	POST SISTOLIK EBB 300	1.3980E2	5	14.65264	6.55286
Pair 5	INDUKSI SISTOLIK CAPTOPRIL	2.1220E2	5	7.85493	3.51283
	POST SISTOLIK CAPTOPRIL	1.4280E2	5	9.52365	4.25911

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	INDUKSI SISTOLIK AQUADEST & POST SISTOLIK AQUADEST	5	.589	.296
Pair 2	INDUKSI SISTOLIK EBB 100 & POST SISTOLIK EBB 100	5	.155	.804
Pair 3	INDUIKSI SISTOLIK EBB 200 & POST SISTOLIK EBB 200	5	.043	.945
Pair 4	INDUKSI SISTOLIK EBB 300 & POST SISTOLIK EBB 300	5	-.105	.867
Pair 5	INDUKSI SISTOLIK CAPTOPRIL & POST SISTOLIK CAPTOPRIL	5	-.200	.747

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	INDUKSI SISTOLIK AQUADEST - POST SISTOLIK AQUADEST	7.20000	14.85598	6.64379	-11.24613	25.64613	1.084	4	.339
Pair 2	INDUKSI SISTOLIK EBB 100 - POST SISTOLIK EBB 100	7.36000E1	21.72096	9.71391	46.62987	100.57013	7.577	4	.002
Pair 3	INDUIKSI SISTOLIK EBB 200 - POST SISTOLIK EBB 200	8.54000E1	20.75572	9.28224	59.62837	111.17163	9.200	4	.001
Pair 4	INDUKSI SISTOLIK EBB 300 - POST SISTOLIK EBB 300	9.02000E1	29.50763	13.19621	53.56144	126.83856	6.835	4	.002
Pair 5	INDUKSI SISTOLIK CAPTOPRIL - POST SISTOLIK CAPTOPRIL	6.94000E1	13.50185	6.03821	52.63524	86.16476	11.493	4	.000

UJI NORMALITAS TEKANAN DARAH SISTOL POST

NPar Tests

Notes

Output Created		12-Sep-2022 09:33:52
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /K-S(NORMAL)=POST_SISTOL /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000
	Number of Cases Allowed[a]	196608

a. Based on availability of workspace memory.

[DataSet0]

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
POST NO	25	1.5600E2	33.62415	121.00	236.00

One-Sample Kolmogorov-Smirnov Test

		POST NO
N		25
Normal Parameters[a]	Mean	156.0000
	Std. Deviation	33.62415
Most Extreme Differences	Absolute	.256
	Positive	.256
	Negative	-.149
Kolmogorov-Smirnov Z		1.278
Asymp. Sig. (2-tailed)		.076

a. Test distribution is Normal.

Oneway

Notes

Output Created		21-Jun-2022 06:31:28
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY sistol BY KLP /STATISTICS DESCRIPTIVES HOMOGENEITY /MISSING ANALYSIS /POSTHOC=TUKEY DUNCAN LSD GH ALPHA(0.05).
Resources	Processor Time	00:00:00.047
	Elapsed Time	00:00:00.027

[DataSet0]

Descriptives

Sistol								
					95% Confidence Interval for Mean			
	N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
Aquadest	5	2.1660E2	14.57052	6.51613	198.5083	234.6917	197.00	236.00
EBB 100mg/kg BB	5	1.4100E2	21.05944	9.41807	114.8513	167.1487	121.00	174.00
EBB 200 mg/kg BB	5	1.3980E2	8.75785	3.91663	128.9257	150.6743	128.00	151.00
EBB 300 mg/kg BB	5	1.3980E2	14.65264	6.55286	121.6063	157.9937	126.00	161.00
CAPTOPRIL 2,25mg/kg BB	5	1.4280E2	9.52365	4.25911	130.9748	154.6252	130.00	153.00
Total	25	1.5600E2	33.62415	6.72483	142.1206	169.8794	121.00	236.00

Test of Homogeneity of Variances

Sistol

Levene Statistic	df1	df2	Sig.
1.312	4	20	.299

ANOVA

Sistol

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	22982.400	4	5745.600	27.679	.000
Within Groups	4151.600	20	207.580		
Total	27134.000	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:sistol

	(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	Aquadest	EBB 100mg/kg BB	75.60000*	9.11219	.000	48.3329	102.8671
		EBB 200 mg/kg BB	76.80000*	9.11219	.000	49.5329	104.0671
		EBB 300 mg/kg BB	76.80000*	9.11219	.000	49.5329	104.0671
		CAPTOPRIL 2,25mg/kg BB	73.80000*	9.11219	.000	46.5329	101.0671
	EBB 100mg/kg BB	Aquadest	-75.60000*	9.11219	.000	-102.8671	-48.3329
		EBB 200 mg/kg BB	1.20000	9.11219	1.000	-26.0671	28.4671
		EBB 300 mg/kg BB	1.20000	9.11219	1.000	-26.0671	28.4671
		CAPTOPRIL 2,25mg/kg BB	-1.80000	9.11219	1.000	-29.0671	25.4671
	EBB 200 mg/kg BB	Aquadest	-76.80000*	9.11219	.000	-104.0671	-49.5329
		EBB 100mg/kg BB	-1.20000	9.11219	1.000	-28.4671	26.0671
		EBB 300 mg/kg BB	.00000	9.11219	1.000	-27.2671	27.2671
		CAPTOPRIL 2,25mg/kg BB	-3.00000	9.11219	.997	-30.2671	24.2671
	EBB 300 mg/kg BB	Aquadest	-76.80000*	9.11219	.000	-104.0671	-49.5329
		EBB 100mg/kg BB	-1.20000	9.11219	1.000	-28.4671	26.0671
		EBB 200 mg/kg BB	.00000	9.11219	1.000	-27.2671	27.2671
		CAPTOPRIL 2,25mg/kg BB	-3.00000	9.11219	.997	-30.2671	24.2671
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-73.80000*	9.11219	.000	-101.0671	-46.5329
		EBB 100mg/kg BB	1.80000	9.11219	1.000	-25.4671	29.0671
		EBB 200 mg/kg BB	3.00000	9.11219	.997	-24.2671	30.2671
		EBB 300 mg/kg BB	3.00000	9.11219	.997	-24.2671	30.2671

LSD	Aquadest	EBB 100mg/kg BB	75.60000*	9.11219	.000	56.5923	94.6077
		EBB 200 mg/kg BB	76.80000*	9.11219	.000	57.7923	95.8077
		EBB 300 mg/kg BB	76.80000*	9.11219	.000	57.7923	95.8077
		CAPTOPRIL 2,25mg/kg BB	73.80000*	9.11219	.000	54.7923	92.8077
	EBB 100mg/kg BB	Aquadest	-75.60000*	9.11219	.000	-94.6077	-56.5923
		EBB 200 mg/kg BB	1.20000	9.11219	.897	-17.8077	20.2077
		EBB 300 mg/kg BB	1.20000	9.11219	.897	-17.8077	20.2077
		CAPTOPRIL 2,25mg/kg BB	-1.80000	9.11219	.845	-20.8077	17.2077
	EBB 200 mg/kg BB	Aquadest	-76.80000*	9.11219	.000	-95.8077	-57.7923
		EBB 100mg/kg BB	-1.20000	9.11219	.897	-20.2077	17.8077
		EBB 300 mg/kg BB	.00000	9.11219	1.000	-19.0077	19.0077
		CAPTOPRIL 2,25mg/kg BB	-3.00000	9.11219	.745	-22.0077	16.0077
	EBB 300 mg/kg BB	Aquadest	-76.80000*	9.11219	.000	-95.8077	-57.7923
		EBB 100mg/kg BB	-1.20000	9.11219	.897	-20.2077	17.8077
		EBB 200 mg/kg BB	.00000	9.11219	1.000	-19.0077	19.0077
		CAPTOPRIL 2,25mg/kg BB	-3.00000	9.11219	.745	-22.0077	16.0077
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-73.80000*	9.11219	.000	-92.8077	-54.7923
		EBB 100mg/kg BB	1.80000	9.11219	.845	-17.2077	20.8077
		EBB 200 mg/kg BB	3.00000	9.11219	.745	-16.0077	22.0077
		EBB 300 mg/kg BB	3.00000	9.11219	.745	-16.0077	22.0077
Games-Howell	Aquadest	EBB 100mg/kg BB	75.60000*	11.45251	.002	34.8098	116.3902
		EBB 200 mg/kg BB	76.80000*	7.60263	.000	49.0730	104.5270
		EBB 300 mg/kg BB	76.80000*	9.24121	.000	44.8737	108.7263
		CAPTOPRIL 2,25mg/kg BB	73.80000*	7.78460	.000	45.8213	101.7787
	EBB 100mg/kg BB	Aquadest	-75.60000*	11.45251	.002	-116.3902	-34.8098
		EBB 200 mg/kg BB	1.20000	10.20000	1.000	-38.6669	41.0669
		EBB 300 mg/kg BB	1.20000	11.47345	1.000	-39.6300	42.0300
		CAPTOPRIL 2,25mg/kg BB	-1.80000	10.33634	1.000	-41.5841	37.9841
	EBB 200 mg/kg BB	Aquadest	-76.80000*	7.60263	.000	-104.5270	-49.0730
		EBB 100mg/kg BB	-1.20000	10.20000	1.000	-41.0669	38.6669
		EBB 300 mg/kg BB	.00000	7.63413	1.000	-27.8703	27.8703
		CAPTOPRIL 2,25mg/kg BB	-3.00000	5.78619	.983	-23.0240	17.0240
	EBB 300 mg/kg BB	Aquadest	-76.80000*	9.24121	.000	-108.7263	-44.8737
		EBB 100mg/kg BB	-1.20000	11.47345	1.000	-42.0300	39.6300
		EBB 200 mg/kg BB	.00000	7.63413	1.000	-27.8703	27.8703
		CAPTOPRIL 2,25mg/kg BB	-3.00000	7.81537	.994	-31.1157	25.1157
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-73.80000*	7.78460	.000	-101.7787	-45.8213
		EBB 100mg/kg BB	1.80000	10.33634	1.000	-37.9841	41.5841
		EBB 200 mg/kg BB	3.00000	5.78619	.983	-17.0240	23.0240
		EBB 300 mg/kg BB	3.00000	7.81537	.994	-25.1157	31.1157

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Sistol

	kelompok	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	EBB 200 mg/kg BB	5	139.8000	
	EBB 300 mg/kg BB	5	139.8000	
	EBB 100mg/kg BB	5	141.0000	
	CAPTOPRIL 2,25mg/kg BB	5	142.8000	
	Aquadest	5		216.6000
	Sig.		.997	1.000
Duncan[a]	EBB 200 mg/kg BB	5	139.8000	
	EBB 300 mg/kg BB	5	139.8000	
	EBB 100mg/kg BB	5	141.0000	
	CAPTOPRIL 2,25mg/kg BB	5	142.8000	
	Aquadest	5		216.6000
	Sig.		.767	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

LAMPIRAN ANALISIS DATA
PENGUKURAN TEKANAN DARAH DIASTOLIK

Descriptives

Notes

Output Created		04-Jul-2022 13:36:07
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=PRE_DIASTOLIK_AQUADEST PRE_DIASTOLIK_EBB200 PRE_DIASTOLIK_EBB100 PRE_DIASTOLIK_EBB300 PRE_DIASTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.008

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PRE DIASTOLIK AQUADEST	5	81.00	104.00	89.8000	9.09395
PRE DIASTOLIK EBB 200	5	82.00	116.00	94.4000	13.57571
PRE DIASTOLIK EBB 100	5	77.00	108.00	91.4000	11.37102
PRE DIASTOLIK EBB 300	5	76.00	116.00	91.8000	14.92314
PRE DIASTOLIK CAPTOPRIL	5	66.00	108.00	88.0000	17.33494
Valid N (listwise)	5				

Descriptives

Notes

Output Created		04-Jul-2022 13:38:36
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=INDUKSI_DIASTOLIK_AQUADEST INDUKSI_DIASTOLIK_EBB100 INDUKSI_DIASTOLIK_EBB200 INDUKSI_DIASTOLIK_EBB300 INDUKSI_DIASTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
INDUKSI DIASTOLIK AQUADEST	5	120.00	190.00	1.5140E2	30.21258
INDUKSI DIASTOLIK EBB 100	5	121.00	134.00	1.2700E2	5.61249
INDUKSI DIASTOLIK EBB 200	5	112.00	153.00	1.2740E2	15.56599
INDUKSI DIASTOLIK EBB 300	5	121.00	158.00	1.3940E2	14.39792
INDUKSI DIASTOLIK EBB CAPTOPRIL 2,25mg/kg BB	5	110.00	144.00	1.2660E2	15.25778
Valid N (listwise)	5				

Descriptives

Notes

Output Created		04-Jul-2022 13:39:33
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=POST_DIASTOLIK_AQUADEST POST_DIASTOLIK_EBB100 POST_DIASTOLIK_EBB200 POST_DIASTOLIK_EBB300 POST_DIASTOLIK_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.036

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
POST DIASTOLIK AQUADEST	5	114.00	197.00	1.5040E2	32.60828
POST DIASTOLIK EBB 100	5	86.00	116.00	96.8000	11.34460
POST DIASTOLIK EBB 200	5	90.00	107.00	95.8000	6.94262
POST DIASTOLIK EBB 300	5	85.00	116.00	98.8000	13.91761
POST DIASTOLIK CAPTOPRIL 2,25 mg/kg BB	5	92.00	105.00	99.0000	5.61249
Valid N (listwise)	5				

Oneway

Notes

Output Created		21-Jun-2022 06:32:21
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY diastol BY KLP /STATISTICS DESCRIPTIVES HOMOGENEITY /MISSING ANALYSIS /POSTHOC=TUKEY DUNCAN LSD GH ALPHA(0.05).
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.035

[DataSet0]

Descriptives

Diastol								
					95% Confidence Interval for Mean			
	N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
Aquadest	5	1.5040E2	32.60828	14.58287	109.9115	190.8885	114.00	197.00
EBB 100mg/kg BB	5	96.8000	11.34460	5.07346	82.7138	110.8862	86.00	116.00
EBB 200 mg/kg BB	5	95.8000	6.94262	3.10483	87.1796	104.4204	90.00	107.00
EBB 300 mg/kg BB	5	98.8000	13.91761	6.22415	81.5190	116.0810	85.00	116.00
CAPTOPRIL 2,25mg/kg BB	5	99.0000	5.61249	2.50998	92.0312	105.9688	92.00	105.00
Total	25	1.0816E2	26.65314	5.33063	97.1581	119.1619	85.00	197.00

T-Test

Notes

Output Created		04-Jul-2022 13:31:31
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=INDUKSI_DIASTOLIK_AQUADEST INDUKSI_DIASTOLIK_EBB100 INDUKSI_DIASTOLIK_EBB200 INDUKSI_DIASTOLIK_EBB300 INDUKSI_DIASTOLIK_CAPTOPRIL WITH POST_DIASTOLIK_AQUADEST POST_DIASTOLIK_EBB100 POST_DIASTOLIK_EBB200 POST_DIASTOLIK_EBB300 POST_DIASTOLIK_CAPTOPRIL (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.156

[DataSet0]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI DIASTOLIK AQUADEST	1.5140E2	5	30.21258	13.51148
	POST DIASTOLIK AQUADEST	1.5040E2	5	32.60828	14.58287
Pair 2	INDUKSI DIASTOLIK EBB 100	1.2700E2	5	5.61249	2.50998
	POST DIASTOLIK EBB 100	96.8000	5	11.34460	5.07346
Pair 3	INDUKSI DIASTOLIK EBB 200	1.2740E2	5	15.56599	6.96132
	POST DIASTOLIK EBB 200	95.8000	5	6.94262	3.10483
Pair 4	INDUKSI DIASTOLIK EBB 300	1.3940E2	5	14.39792	6.43894
	POST DIASTOLIK EBB 300	98.8000	5	13.91761	6.22415
Pair 5	INDUKSI DIASTOLIK EBB CAPTOPRIL	1.2660E2	5	15.25778	6.82349
	POST DIASTOLIK CAPTOPRIL	99.0000	5	5.61249	2.50998

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	INDUKSI DIASTOLIK AQUADEST & POST DIASTOLIK AQUADEST	5	.712	.177
Pair 2	INDUKSI DIASTOLIK EBB 100 & POST DIASTOLIK EBB 100	5	-.357	.555
Pair 3	INDUKSI DIASTOLIK EBB 200 & POST DIASTOLIK EBB 200	5	.686	.201
Pair 4	INDUKSI DIASTOLIK EBB 300 & POST DIASTOLIK EBB 300	5	.760	.136
Pair 5	INDUKSI DIASTOLIK EBB CAPTOPRIL & POST DIASTOLIK CAPTOPRIL	5	.330	.588

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	INDUKSI DIASTOLIK AQUADEST - POST DIASTOLIK AQUADEST	1.00000	23.92697	10.70047	-28.70926	30.70926	.093	4	.930
Pair 2	INDUKSI DIASTOLIK EBB 100 - POST DIASTOLIK EBB 100	3.02000E1	14.34225	6.41405	12.39175	48.00825	4.708	4	.009
Pair 3	INDUKSI DIASTOLIK EBB 200 - POST DIASTOLIK EBB 200	3.16000E1	11.92896	5.33479	16.78824	46.41176	5.923	4	.004
Pair 4	INDUKSI DIASTOLIK EBB 300 - POST DIASTOLIK EBB 300	4.06000E1	9.81326	4.38862	28.41523	52.78477	9.251	4	.001
Pair 5	INDUKSI DIASTOLIK EBB CAPTOPRIL - POST DIASTOLIK CAPTOPRIL	2.76000E1	14.41527	6.44670	9.70108	45.49892	4.281	4	.013

Test of Homogeneity of Variances

diastol

Levene Statistic	df1	df2	Sig.
4.538	4	20	.009

ANOVA

diastol

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	11187.760	4	2796.940	9.543	.000
Within Groups	5861.600	20	293.080		
Total	17049.360	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:diastol

	(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	Aquadest	EBB 100mg/kg BB	53.60000*	10.82737	.001	21.2004	85.9996
		EBB 200 mg/kg BB	54.60000*	10.82737	.001	22.2004	86.9996
		EBB 300 mg/kg BB	51.60000*	10.82737	.001	19.2004	83.9996
		CAPTOPRIL 2,25mg/kg BB	51.40000*	10.82737	.001	19.0004	83.7996
	EBB 100mg/kg BB	Aquadest	-53.60000*	10.82737	.001	-85.9996	-21.2004
		EBB 200 mg/kg BB	1.00000	10.82737	1.000	-31.3996	33.3996
		EBB 300 mg/kg BB	-2.00000	10.82737	1.000	-34.3996	30.3996
		CAPTOPRIL 2,25mg/kg BB	-2.20000	10.82737	1.000	-34.5996	30.1996
	EBB 200 mg/kg BB	Aquadest	-54.60000*	10.82737	.001	-86.9996	-22.2004
		EBB 100mg/kg BB	-1.00000	10.82737	1.000	-33.3996	31.3996
		EBB 300 mg/kg BB	-3.00000	10.82737	.999	-35.3996	29.3996
		CAPTOPRIL 2,25mg/kg BB	-3.20000	10.82737	.998	-35.5996	29.1996
	EBB 300 mg/kg BB	Aquadest	-51.60000*	10.82737	.001	-83.9996	-19.2004
		EBB 100mg/kg BB	2.00000	10.82737	1.000	-30.3996	34.3996
		EBB 200 mg/kg BB	3.00000	10.82737	.999	-29.3996	35.3996
		CAPTOPRIL 2,25mg/kg BB	-.20000	10.82737	1.000	-32.5996	32.1996
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-51.40000*	10.82737	.001	-83.7996	-19.0004
		EBB 100mg/kg BB	2.20000	10.82737	1.000	-30.1996	34.5996
		EBB 200 mg/kg BB	3.20000	10.82737	.998	-29.1996	35.5996
		EBB 300 mg/kg BB	.20000	10.82737	1.000	-32.1996	32.5996

LSD	Aquadest	EBB 100mg/kg BB	53.60000*	10.82737	.000	31.0145	76.1855
		EBB 200 mg/kg BB	54.60000*	10.82737	.000	32.0145	77.1855
		EBB 300 mg/kg BB	51.60000*	10.82737	.000	29.0145	74.1855
		CAPTOPRIL 2,25mg/kg BB	51.40000*	10.82737	.000	28.8145	73.9855
	EBB 100mg/kg BB	Aquadest	-53.60000*	10.82737	.000	-76.1855	-31.0145
		EBB 200 mg/kg BB	1.00000	10.82737	.927	-21.5855	23.5855
		EBB 300 mg/kg BB	-2.00000	10.82737	.855	-24.5855	20.5855
		CAPTOPRIL 2,25mg/kg BB	-2.20000	10.82737	.841	-24.7855	20.3855
	EBB 200 mg/kg BB	Aquadest	-54.60000*	10.82737	.000	-77.1855	-32.0145
		EBB 100mg/kg BB	-1.00000	10.82737	.927	-23.5855	21.5855
		EBB 300 mg/kg BB	-3.00000	10.82737	.785	-25.5855	19.5855
		CAPTOPRIL 2,25mg/kg BB	-3.20000	10.82737	.771	-25.7855	19.3855
	EBB 300 mg/kg BB	Aquadest	-51.60000*	10.82737	.000	-74.1855	-29.0145
		EBB 100mg/kg BB	2.00000	10.82737	.855	-20.5855	24.5855
		EBB 200 mg/kg BB	3.00000	10.82737	.785	-19.5855	25.5855
		CAPTOPRIL 2,25mg/kg BB	-.20000	10.82737	.985	-22.7855	22.3855
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-51.40000*	10.82737	.000	-73.9855	-28.8145
		EBB 100mg/kg BB	2.20000	10.82737	.841	-20.3855	24.7855
		EBB 200 mg/kg BB	3.20000	10.82737	.771	-19.3855	25.7855
		EBB 300 mg/kg BB	.20000	10.82737	.985	-22.3855	22.7855
Games-Howell	Aquadest	EBB 100mg/kg BB	53.60000	15.44021	.085	-8.5709	115.7709
		EBB 200 mg/kg BB	54.60000	14.90973	.083	-8.8977	118.0977
		EBB 300 mg/kg BB	51.60000	15.85560	.097	-10.0823	113.2823
		CAPTOPRIL 2,25mg/kg BB	51.40000	14.79730	.101	-12.5050	115.3050
	EBB 100mg/kg BB	Aquadest	-53.60000	15.44021	.085	-115.7709	8.5709
		EBB 200 mg/kg BB	1.00000	5.94811	1.000	-20.6228	22.6228
		EBB 300 mg/kg BB	-2.00000	8.02994	.999	-30.0186	26.0186
		CAPTOPRIL 2,25mg/kg BB	-2.20000	5.66039	.994	-23.6182	19.2182
	EBB 200 mg/kg BB	Aquadest	-54.60000	14.90973	.083	-118.0977	8.8977
		EBB 100mg/kg BB	-1.00000	5.94811	1.000	-22.6228	20.6228
		EBB 300 mg/kg BB	-3.00000	6.95557	.991	-29.2773	23.2773
		CAPTOPRIL 2,25mg/kg BB	-3.20000	3.99249	.923	-17.1420	10.7420
	EBB 300 mg/kg BB	Aquadest	-51.60000	15.85560	.097	-113.2823	10.0823
		EBB 100mg/kg BB	2.00000	8.02994	.999	-26.0186	30.0186
		EBB 200 mg/kg BB	3.00000	6.95557	.991	-23.2773	29.2773
		CAPTOPRIL 2,25mg/kg BB	-.20000	6.71118	1.000	-26.5740	26.1740
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-51.40000	14.79730	.101	-115.3050	12.5050
		EBB 100mg/kg BB	2.20000	5.66039	.994	-19.2182	23.6182
		EBB 200 mg/kg BB	3.20000	3.99249	.923	-10.7420	17.1420
		EBB 300 mg/kg BB	.20000	6.71118	1.000	-26.1740	26.5740

LSD	Aquadest	EBB 100mg/kg BB	53.60000*	10.82737	.000	31.0145	76.1855
		EBB 200 mg/kg BB	54.60000*	10.82737	.000	32.0145	77.1855
		EBB 300 mg/kg BB	51.60000*	10.82737	.000	29.0145	74.1855
		CAPTOPRIL 2,25mg/kg BB	51.40000*	10.82737	.000	28.8145	73.9855
	EBB 100mg/kg BB	Aquadest	-53.60000*	10.82737	.000	-76.1855	-31.0145
		EBB 200 mg/kg BB	1.00000	10.82737	.927	-21.5855	23.5855
		EBB 300 mg/kg BB	-2.00000	10.82737	.855	-24.5855	20.5855
		CAPTOPRIL 2,25mg/kg BB	-2.20000	10.82737	.841	-24.7855	20.3855
	EBB 200 mg/kg BB	Aquadest	-54.60000*	10.82737	.000	-77.1855	-32.0145
		EBB 100mg/kg BB	-1.00000	10.82737	.927	-23.5855	21.5855
		EBB 300 mg/kg BB	-3.00000	10.82737	.785	-25.5855	19.5855
		CAPTOPRIL 2,25mg/kg BB	-3.20000	10.82737	.771	-25.7855	19.3855
	EBB 300 mg/kg BB	Aquadest	-51.60000*	10.82737	.000	-74.1855	-29.0145
		EBB 100mg/kg BB	2.00000	10.82737	.855	-20.5855	24.5855
		EBB 200 mg/kg BB	3.00000	10.82737	.785	-19.5855	25.5855
		CAPTOPRIL 2,25mg/kg BB	-.20000	10.82737	.985	-22.7855	22.3855
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-51.40000*	10.82737	.000	-73.9855	-28.8145
		EBB 100mg/kg BB	2.20000	10.82737	.841	-20.3855	24.7855
		EBB 200 mg/kg BB	3.20000	10.82737	.771	-19.3855	25.7855
		EBB 300 mg/kg BB	.20000	10.82737	.985	-22.3855	22.7855
Games-Howell	Aquadest	EBB 100mg/kg BB	53.60000	15.44021	.085	-8.5709	115.7709
		EBB 200 mg/kg BB	54.60000	14.90973	.083	-8.8977	118.0977
		EBB 300 mg/kg BB	51.60000	15.85560	.097	-10.0823	113.2823
		CAPTOPRIL 2,25mg/kg BB	51.40000	14.79730	.101	-12.5050	115.3050
	EBB 100mg/kg BB	Aquadest	-53.60000	15.44021	.085	-115.7709	8.5709
		EBB 200 mg/kg BB	1.00000	5.94811	1.000	-20.6228	22.6228
		EBB 300 mg/kg BB	-2.00000	8.02994	.999	-30.0186	26.0186
		CAPTOPRIL 2,25mg/kg BB	-2.20000	5.66039	.994	-23.6182	19.2182
	EBB 200 mg/kg BB	Aquadest	-54.60000	14.90973	.083	-118.0977	8.8977
		EBB 100mg/kg BB	-1.00000	5.94811	1.000	-22.6228	20.6228
		EBB 300 mg/kg BB	-3.00000	6.95557	.991	-29.2773	23.2773
		CAPTOPRIL 2,25mg/kg BB	-3.20000	3.99249	.923	-17.1420	10.7420
	EBB 300 mg/kg BB	Aquadest	-51.60000	15.85560	.097	-113.2823	10.0823
		EBB 100mg/kg BB	2.00000	8.02994	.999	-26.0186	30.0186
		EBB 200 mg/kg BB	3.00000	6.95557	.991	-23.2773	29.2773
		CAPTOPRIL 2,25mg/kg BB	-.20000	6.71118	1.000	-26.5740	26.1740
	CAPTOPRIL 2,25mg/kg BB	Aquadest	-51.40000	14.79730	.101	-115.3050	12.5050
		EBB 100mg/kg BB	2.20000	5.66039	.994	-19.2182	23.6182
		EBB 200 mg/kg BB	3.20000	3.99249	.923	-10.7420	17.1420
		EBB 300 mg/kg BB	.20000	6.71118	1.000	-26.1740	26.5740

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

diastol

	kelompok	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	EBB 200 mg/kg BB	5	95.8000	
	EBB 100mg/kg BB	5	96.8000	
	EBB 300 mg/kg BB	5	98.8000	
	CAPTOPRIL 2,25mg/kg BB	5	99.0000	
	Aquadest	5		150.4000
	Sig.		.998	1.000
Duncan[a]	EBB 200 mg/kg BB	5	95.8000	
	EBB 100mg/kg BB	5	96.8000	
	EBB 300 mg/kg BB	5	98.8000	
	CAPTOPRIL 2,25mg/kg BB	5	99.0000	
	Aquadest	5		150.4000
	Sig.		.790	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

LAMPIRAN ANALISIS DATA
EKSPRESI GEN NO

Descriptives

Notes

Output Created		22-Jul-2022 13:04:48
Comments		
Input	Data	C:\Users\HP\Downloads\NO BARU\UJI T NO.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=PRE_NO_AQUADEST PRE_NO_EBB100 PRE_NO_EBB200 PRE_NO_EBB300 PRE_NO_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0] C:\Users\HP\Downloads\NO BARU\UJI T NO.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PRE AQUADEST	5	.60854	8.50909	4.9101078E0	3.96325152
PRE EBB 100 mg/kg BB	5	1.35701	8.60596	4.3576936E0	3.02300082
PRE EBB 200 mg/kg BB	5	.98045	15.43523	4.2411046E0	6.26371733
PRE EBB 300 mg/kg BB	5	.65752	16.39135	4.8707268E0	6.51601121
PRE CAPTOPRIL 2,25mg/kg BB	5	1.06234	11.06088	4.3843952E0	3.87498059
Valid N (listwise)	5				

Descriptives

Notes

Output Created		22-Jul-2022 10:20:23
Comments		
Input	Data	C:\Users\HP\Downloads\NO BARU\UJI T NO.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=INDUKSI_NO_AQUADEST INDUKSI_NO_EBB100 INDUKSI_NO_EBB200 INDUKSI_N0_EBB300 INDUKSI_NO_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.004

[DataSet0] C:\Users\HP\Downloads\NO BARU\UJI T NO.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
INDUKSI NO AQUADEST	5	1.10000	3.19000	2.1537180E0	.75233219
INDUKSI NO EBB 100	5	.89000	3.44000	1.9140000E0	1.24063693
INDUKSI NO EBB 200	5	.63000	3.78000	1.4240000E0	1.32903348
INDUKSI NO EBB 300	5	.99000	3.02000	1.8820000E0	.82190024
INDUKSI NO CAPTOPRIL	5	1.22000	2.12000	1.6800000E0	.41647329
Valid N (listwise)	5				

Descriptives

Notes

Output Created		12-Aug-2022 21:15:04
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\NO \UJI T NO.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=POST_NO_AQUADEST POST_NO_EBB100 POST_NO_EBB200 POST_NO_EBB300 POST_NO_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.017

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA S3 Ekspresi Gen\NO BARU\UJI T NO.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
POST NO AQUADEST	5	.66328	3.53467	2.2972478E0	1.44097405
POST NO EBB 100	5	28.53122	1.16364E2	7.6136156E1	40.07592424
POST NO EBB 200	5	47.60110	1.08841E2	7.3760930E1	29.67822795
POST NO EBB 300	5	35.55577	1.87586E2	9.6718064E1	57.48138896
POST NO CAPTOPRIL	5	41.50624	1.09507E2	7.3634078E1	32.81461099
Valid N (listwise)	5				

T-Test

Notes

Output Created		22-Jul-2022 10:27:21
Comments		
Input	Data	C:\Users\HP\Downloads\NO BARU\UJI T NO.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=INDUKSI_NO_AQUADEST INDUKSI_NO_EBB100 INDUKSI_NO_EBB200 INDUKSI_N0_EBB300 INDUKSI_NO_CAPTOPRIL WITH POST_NO_AQUADEST POST_NO_EBB100 POST_NO_EBB200 POST_NO_EBB300 POST_NO_CAPTOPRIL (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.032
	Elapsed Time	00:00:00.017

[DataSet0] C:\Users\HP\Downloads\NO BARU\UJI T NO.sav

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI NO AQUADEST	2.1537180E0	5	.75233219	.33645318
	POST NO AQUADEST	2.2972478E0	5	1.44097405	.64442319
Pair 2	INDUKSI NO EBB 100	1.9140000E0	5	1.24063693	.55482970
	POST NO EBB 100	7.6136156E1	5	40.07592424	17.92249817
Pair 3	INDUKSI NO EBB 200	1.4240000E0	5	1.32903348	.59436184
	POST NO EBB 200	6.7760930E1	5	36.51571942	16.33032617
Pair 4	INDUKSI NO EBB 300	1.8820000E0	5	.82190024	.36756496
	POST NO EBB 300	9.6718064E1	5	57.48138896	25.70645863
Pair 5	INDUKSI NO CAPTOPRIL	1.6800000E0	5	.41647329	.18625252
	POST NO CAPTOPRIL	6.7634078E1	5	39.67003957	17.74098103

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	INDUKSI NO AQUADEST & POST NO AQUADEST	5	.701	.187
Pair 2	INDUKSI NO EBB 100 & POST NO EBB 100	5	.026	.967
Pair 3	INDUKSI NO EBB 200 & POST NO EBB 200	5	-.206	.740
Pair 4	INDUKSI NO EBB 300 & POST NO EBB 300	5	.422	.479
Pair 5	INDUKSI NO CAPTOPRIL & POST NO CAPTOPRIL	5	.240	.697

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	INDUKSI NO AQUADEST - POST NO AQUADEST	-1.43529765E-1	1.05902759	.47361154	-1.45848620	1.17142667	-.303	4	.777
Pair 2	INDUKSI NO EBB 100 - POST NO EBB 100	-7.42221563E1	40.06327695	17.91684213	-1.23967285E2	-24.47702767	-4.143	4	.014
Pair 3	INDUKSI NO EBB 200 - POST NO EBB 200	-6.63369300E1	36.81248064	16.46304183	-1.12045662E2	-20.62819810	-4.029	4	.016
Pair 4	INDUKSI NO EBB 300 - POST NO EBB 300	-9.48360638E1	57.13901605	25.55334481	-1.65783523E2	-23.88860470	-3.711	4	.021
Pair 5	INDUKSI NO CAPTOPRIL - POST NO CAPTOPRIL	-6.59540777E1	39.57207495	17.69716992	-1.15089298E2	-16.81885691	-3.727	4	.020

UJI NORMALITAS NO

NPar Tests

Notes

Comments	Output Created	12-Aug-2022 20:06:30
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\ONEWAY NO POST Baru.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /K-S(NORMAL)=POST_NO /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time[a]	00:00:00.000
	Elapsed Time	00:00:00.000
	Number of Cases Allowed	196608

a. Based on availability of workspace memory.

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\ONEWAY NO POST Baru.sav

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
POST NO	25	64.5093	47.23097	.66	187.59

One-Sample Kolmogorov-Smirnov Test

		POST NO
N		25
Normal Parameters[a]	Mean	64.5093
	Std. Deviation	47.23097
Most Extreme Differences	Absolute	.111
	Positive	.102
	Negative	-.111
Kolmogorov-Smirnov Z		.553
Asymp. Sig. (2-tailed)		.920

a. Test distribution is Normal.

Oneway ANOVA NO-POST

Notes

Output Created		07-Aug-2022 06:31:15
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY POST_NO BY KELOMPOK /STATISTICS DESCRIPTIVES HOMOGENEITY /MISSING ANALYSIS /POSTHOC=TUKEY DUNCAN LSD GH ALPHA(0.05).
Resources	Processor Time	00:00:00.047
	Elapsed Time	00:00:00.044

[DataSet0]

Descriptives

POST NO

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
AQUADEST	5	2.2972	1.44097	.64442	.5080	4.0865	.66	3.53
EBB 100 mg/kg BB	5	76.1362	40.07592	17.92250	26.3753	125.8970	28.53	116.36
EBB 200 mg/kg BB	5	73.7609	29.67823	13.27251	36.9105	110.6113	47.60	108.84
EBB 300 mg/kg BB	5	96.7181	57.48139	25.70646	25.3455	168.0906	35.56	187.59
CAPTOPRIL 2,25 mg/kg BB	5	73.6341	32.81461	14.67514	32.8894	114.3788	41.51	109.51
Total	25	64.5093	47.23097	9.44619	45.0133	84.0053	.66	187.59

Test of Homogeneity of Variances

POST NO

Levene Statistic	df1	df2	Sig.
4.213	4	20	.012

ANOVA

POST NO

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	26058.910	4	6514.727	4.742	.007
Within Groups	27479.448	20	1373.972		
Total	53538.358	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:POST NO

	(I) KELOMPOK	(J) KELOMPOK	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	AQUADEST	EBB 100 mg/kg BB	-73.83891*	23.44331	.036	-143.9901	-3.6877
		EBB 200 mg/kg BB	-71.46368*	23.44331	.045	-141.6149	-1.3125
		EBB 300 mg/kg BB	-94.42082*	23.44331	.005	-164.5720	-24.2696
		CAPTOPRIL 2,25 mg/kg BB	-71.33683*	23.44331	.045	-141.4880	-1.1857
	EBB 100 mg/kg BB	AQUADEST	73.83891*	23.44331	.036	3.6877	143.9901
		EBB 200 mg/kg BB	2.37523	23.44331	1.000	-67.7760	72.5264
		EBB 300 mg/kg BB	-20.58191	23.44331	.902	-90.7331	49.5693
		CAPTOPRIL 2,25 mg/kg BB	2.50208	23.44331	1.000	-67.6491	72.6533
	EBB 200 mg/kg BB	AQUADEST	71.46368*	23.44331	.045	1.3125	141.6149
		EBB 100 mg/kg BB	-2.37523	23.44331	1.000	-72.5264	67.7760
		EBB 300 mg/kg BB	-22.95713	23.44331	.861	-93.1083	47.1940
		CAPTOPRIL 2,25 mg/kg BB	.12685	23.44331	1.000	-70.0243	70.2780
	EBB 300 mg/kg BB	AQUADEST	94.42082*	23.44331	.005	24.2696	164.5720
		EBB 100 mg/kg BB	20.58191	23.44331	.902	-49.5693	90.7331
		EBB 200 mg/kg BB	22.95713	23.44331	.861	-47.1940	93.1083
		CAPTOPRIL 2,25 mg/kg BB	23.08399	23.44331	.859	-47.0672	93.2352
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	71.33683*	23.44331	.045	1.1857	141.4880
		EBB 100 mg/kg BB	-2.50208	23.44331	1.000	-72.6533	67.6491
		EBB 200 mg/kg BB	-.12685	23.44331	1.000	-70.2780	70.0243
		EBB 300 mg/kg BB	-23.08399	23.44331	.859	-93.2352	47.0672

LSD	AQUADEST	EBB 100 mg/kg BB	-73.83891*	23.44331	.005	-122.7408	-24.9370
		EBB 200 mg/kg BB	-71.46368*	23.44331	.006	-120.3656	-22.5618
		EBB 300 mg/kg BB	-94.42082*	23.44331	.001	-143.3227	-45.5189
		CAPTOPRIL 2,25 mg/kg BB	-71.33683*	23.44331	.006	-120.2387	-22.4349
	EBB 100 mg/kg BB	AQUADEST	73.83891*	23.44331	.005	24.9370	122.7408
		EBB 200 mg/kg BB	2.37523	23.44331	.920	-46.5267	51.2771
		EBB 300 mg/kg BB	-20.58191	23.44331	.390	-69.4838	28.3200
		CAPTOPRIL 2,25 mg/kg BB	2.50208	23.44331	.916	-46.3998	51.4040
	EBB 200 mg/kg BB	AQUADEST	71.46368*	23.44331	.006	22.5618	120.3656
		EBB 100 mg/kg BB	-2.37523	23.44331	.920	-51.2771	46.5267
		EBB 300 mg/kg BB	-22.95713	23.44331	.339	-71.8590	25.9448
		CAPTOPRIL 2,25 mg/kg BB	.12685	23.44331	.996	-48.7750	49.0287
	EBB 300 mg/kg BB	AQUADEST	94.42082*	23.44331	.001	45.5189	143.3227
		EBB 100 mg/kg BB	20.58191	23.44331	.390	-28.3200	69.4838
		EBB 200 mg/kg BB	22.95713	23.44331	.339	-25.9448	71.8590
		CAPTOPRIL 2,25 mg/kg BB	23.08399	23.44331	.337	-25.8179	71.9859
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	71.33683*	23.44331	.006	22.4349	120.2387
		EBB 100 mg/kg BB	-2.50208	23.44331	.916	-51.4040	46.3998
		EBB 200 mg/kg BB	-.12685	23.44331	.996	-49.0287	48.7750
		EBB 300 mg/kg BB	-23.08399	23.44331	.337	-71.9859	25.8179

Games-Howell	AQUADEST	EBB 100 mg/kg BB	-73.83891	17.93408	.064	-153.4598	5.7820
		EBB 200 mg/kg BB	-71.46368*	13.28814	.026	-130.3935	-12.5338
		EBB 300 mg/kg BB	-94.42082	25.71453	.091	-208.6628	19.8211
		CAPTOPRIL 2,25 mg/kg BB	-71.33683*	14.68928	.037	-136.5092	-6.1644
	EBB 100 mg/kg BB	AQUADEST	73.83891	17.93408	.064	-5.7820	153.4598
		EBB 200 mg/kg BB	2.37523	22.30191	1.000	-76.2943	81.0448
		EBB 300 mg/kg BB	-20.58191	31.33748	.960	-132.0670	90.9031
		CAPTOPRIL 2,25 mg/kg BB	2.50208	23.16410	1.000	-78.2895	83.2937
	EBB 200 mg/kg BB	AQUADEST	71.46368*	13.28814	.026	12.5338	130.3935
		EBB 100 mg/kg BB	-2.37523	22.30191	1.000	-81.0448	76.2943
		EBB 300 mg/kg BB	-22.95713	28.93063	.923	-131.5331	85.6188
		CAPTOPRIL 2,25 mg/kg BB	.12685	19.78684	1.000	-68.3994	68.6531
	EBB 300 mg/kg BB	AQUADEST	94.42082	25.71453	.091	-19.8211	208.6628
		EBB 100 mg/kg BB	20.58191	31.33748	.960	-90.9031	132.0670
		EBB 200 mg/kg BB	22.95713	28.93063	.923	-85.6188	131.5331
		CAPTOPRIL 2,25 mg/kg BB	23.08399	29.60037	.928	-85.9007	132.0686
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	71.33683*	14.68928	.037	6.1644	136.5092
		EBB 100 mg/kg BB	-2.50208	23.16410	1.000	-83.2937	78.2895
		EBB 200 mg/kg BB	-.12685	19.78684	1.000	-68.6531	68.3994
		EBB 300 mg/kg BB	-23.08399	29.60037	.928	-132.0686	85.9007

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

POST NO

	KELOMPOK	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	AQUADEST	5	2.2972	
	CAPTOPRIL 2,25 mg/kg BB	5		73.6341
	EBB 200 mg/kg BB	5		73.7609
	EBB 100 mg/kg BB	5		76.1362
	EBB 300 mg/kg BB	5		96.7181
	Sig.		1.000	.859
Duncan[a]	AQUADEST	5	2.2972	
	CAPTOPRIL 2,25 mg/kg BB	5		73.6341
	EBB 200 mg/kg BB	5		73.7609
	EBB 100 mg/kg BB	5		76.1362
	EBB 300 mg/kg BB	5		96.7181
	Sig.		1.000	.378

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

LAMPIRAN ANALISIS DATA
EKSPRESI GEN ENDOTELIN-1

Descriptives

Notes

Output Created		06-Jul-2022 00:37:55
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST (OLAH SENDIRI).sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=PRE_ENDOTHELIN_1_AQUADEST PRE_ENDOTHELIN_1_EBB100 PRE_ENDOTHELIN_1_EBB200 PRE_ENDOTHELIN_1_EBB300 PRE_ENDOTHELIN_1_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 TTEST (OLAH SENDIRI).sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PRE ENDOTHELIN-1 AQUADEST	5	.28782	1.13040	.8279970	.34320505
PRE ENDOTHELIN-1 EBB 100	5	.94182	1.36282	1.1412820E0	.19105511
PRE ENDOTHELIN-1 EBB 200	5	1.00457	1.62296	1.1989660E0	.25773712
PRE ENDOTHELIN-1 EBB 300	5	1.20694	1.71903	1.4861760E0	.20440646
PRE ENDOTHELIN-1 EBB CAPTOPRIL	5	1.08037	1.86377	1.3422880E0	.32758247
Valid N (listwise)	5				

Descriptives

Notes

Output Created		06-Jul-2022 00:58:01
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=INDUKSI_ENDOTHELIN_1_AQUADEST INDUKSI_ENDOTHELIN_1_EBB100 INDUKSI_ENDOTHELIN_1_EBB200 INDUKSI_ENDOTHELIN_1_EBB300 INDUKSI_ENDOTHELIN_1_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
INDUKSI ENDOTHELIN-1 AQUADEST	5	4.37914	17.03319	8.8236881E0	5.10596822
INDUKSI ENDOTHELIN-1 EBB 100	5	4.20710	30.86100	1.3981856E1	10.29979898
INDUIKSI ENDOTHELIN-1 EBB 200	5	6.09437	35.16582	1.5538015E1	11.36637487
INDUKSI ENDOTHELIN-1 EBB 300	5	6.18892	32.48271	1.4723332E1	10.21455673
INDUKSI ENDOTHELIN-1 CAPTOPRIL	5	1.77940	26.08253	1.3663783E1	10.15999302
Valid N (listwise)	5				

Descriptives

Notes

Output Created		06-Jul-2022 00:59:47
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=POST_ENDOTHELIN_1_AQUADEST POST_ENDOTHELIN_1_EBB100 POST_ENDOTHELIN_1_EBB200 POST_ENDOTHELIN_1_EBB300 POST_ENDOTHELIN_1_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
POST ENDOTHELIN-1 AQUADEST	5	4.10128	11.96675	8.0205035E0	3.66671688
POST ENDOTHELIN-1 EBB 100	5	.83956	1.57109	1.1100343E0	.29168847
POST ENDOTHELIN-1 EBB 200	5	.66732	.85133	.7689615	.06884792
POST ENDOTHELIN-1 EBB 300	5	.71814	.83806	.7681885	.04365750
POST ENDOTHELIN-1 CAPTOPRIL	5	.64676	1.03957	.8223491	.17685016
Valid N (listwise)	5				

T-Test

Notes

Output Created		06-Jul-2022 00:54:32
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=INDUKSI_ENDOTHELIN_1_AQUADEST INDUKSI_ENDOTHELIN_1_EBB100 INDUKSI_ENDOTHELIN_1_EBB200 INDUKSI_ENDOTHELIN_1_EBB300 INDUKSI_ENDOTHELIN_1_CAPTOPRIL WITH POST_ENDOTHELIN_1_AQUADEST POST_ENDOTHELIN_1_EBB100 POST_ENDOTHELIN_1_EBB200 POST_ENDOTHELIN_1_EBB300 POST_ENDOTHELIN_1_CAPTOPRIL (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.036

[DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\DATA ENDOTELIN-1 T-TEST.sav

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI ENDOTHELIN-1 AQUADEST	8.8236881E0	5	5.10596822	2.28345841
	POST ENDOTHELIN-1 AQUADEST	8.0205035E0	5	3.66671688	1.63980564
Pair 2	INDUKSI ENDOTHELIN-1 EBB 100	1.3981856E1	5	10.29979898	4.60621014
	POST ENDOTHELIN-1 EBB 100	1.1100343E0	5	.29168847	.13044705
Pair 3	INDUIKSI ENDOTHELIN-1 EBB 200	1.5538015E1	5	11.36637487	5.08319737
	POST ENDOTHELIN-1 EBB 200	.7689615	5	.06884792	.03078973
Pair 4	INDUKSI ENDOTHELIN-1 EBB 300	1.4723332E1	5	10.21455673	4.56808864
	POST ENDOTHELIN-1 EBB 300	.7681885	5	.04365750	.01952423
Pair 5	INDUKSI ENDOTHELIN-1 CAPTOPRIL	1.3663783E1	5	10.15999302	4.54368701

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI ENDOTHELIN-1 AQUADEST	8.8236881E0	5	5.10596822	2.28345841
	POST ENDOTHELIN-1 AQUADEST	8.0205035E0	5	3.66671688	1.63980564
Pair 2	INDUKSI ENDOTHELIN-1 EBB 100	1.3981856E1	5	10.29979898	4.60621014
	POST ENDOTHELIN-1 EBB 100	1.1100343E0	5	.29168847	.13044705
Pair 3	INDUIKSI ENDOTHELIN-1 EBB 200	1.5538015E1	5	11.36637487	5.08319737
	POST ENDOTHELIN-1 EBB 200	.7689615	5	.06884792	.03078973
Pair 4	INDUKSI ENDOTHELIN-1 EBB 300	1.4723332E1	5	10.21455673	4.56808864
	POST ENDOTHELIN-1 EBB 300	.7681885	5	.04365750	.01952423
Pair 5	INDUKSI ENDOTHELIN-1 CAPTOPRIL	1.3663783E1	5	10.15999302	4.54368701
	POST ENDOTHELIN-1 CAPTOPRIL	.8223491	5	.17685016	.07908980

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	INDUKSI ENDOTHELIN-1 AQUADEST & POST ENDOTHELIN-1 AQUADEST	5	.814	.093
Pair 2	INDUKSI ENDOTHELIN-1 EBB 100 & POST ENDOTHELIN-1 EBB 100	5	-.055	.930
Pair 3	INDUIKSI ENDOTHELIN-1 EBB 200 & POST ENDOTHELIN-1 EBB 200	5	-.904	.035
Pair 4	INDUKSI ENDOTHELIN-1 EBB 300 & POST ENDOTHELIN-1 EBB 300	5	-.794	.108
Pair 5	INDUKSI ENDOTHELIN-1 CAPTOPRIL & POST ENDOTHELIN-1 CAPTOPRIL	5	-.161	.796

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	INDUKSI ENDOTHELIN-1 AQUADEST - POST ENDOTHELIN-1 AQUADEST	.80318453	3.00406039	1.34345665	-2.92684910	4.53321816	.598	4	.582
Pair 2	INDUKSI ENDOTHELIN-1 EBB 100 - POST ENDOTHELIN-1 EBB 100	1.28718217E1	10.31988297	4.61519197	.05799453	25.68564883	2.789	4	.049
Pair 3	INDUIKSI ENDOTHELIN-1 EBB 200 - POST ENDOTHELIN-1 EBB 200	1.47690533E1	11.42865959	5.11105195	.57849809	28.95960842	2.890	4	.045
Pair 4	INDUKSI ENDOTHELIN-1 EBB 300 - POST ENDOTHELIN-1 EBB 300	1.39551435E1	10.24926945	4.58361264	1.22899457	26.68129234	3.045	4	.038
Pair 5	INDUKSI ENDOTHELIN-1 CAPTOPRIL - POST ENDOTHELIN-1 CAPTOPRIL	1.28414338E1	10.18999250	4.55710318	.18888692	25.49398058	2.818	4	.048

Oneway

Oneway ANOVA NO-POST

Notes

Output Created		06-Jul-2022 01:15:42
Comments		
Input	Data	E:\DATA PENELITIAN NUR ALIM-S3\ENDOTELIN-1 POST.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY POST_ENDOTELIN_1 BY KELOMPOK /STATISTICS DESCRIPTIVES /PLOT MEANS /MISSING ANALYSIS /POSTHOC=TUKEY DUNCAN LSD GH ALPHA(0.05).
Resources	Processor Time	00:00:00.281
	Elapsed Time	00:00:00.298

DataSet1] E:\DATA PENELITIAN NUR ALIM-S3\ENDOTELIN-1 POST.sav

Descriptives

POST ENDOTELIN 1

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
AQUADEST	5	8.0205035E0	3.66671688	1.63980564E0	3.4676732	12.5733339	4.10128	11.96675
EBB 100 mg/kg BB	5	1.1100343E0	.29168847	.13044705	.7478553	1.4722134	.83956	1.57109
EBB 200 mg/kg BB	5	7.6896149E-1	.06884792	.03078973	.6834755	.8544475	.66732	.85133
EBB 300 mg/kg BB	5	7.6818852E-1	.04365750	.01952423	.7139806	.8223965	.71814	.83806
CAPTOPRIL 2,25 mg/kg BB	5	8.2234909E-1	.17685016	.07908980	.6027606	1.0419376	.64676	1.03957
Total	25	2.2980074E0	3.28723510	.65744702	.9411034	3.6549114	.64676	11.96675

ANOVA

POST ENDOTELIN 1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	205.071	4	51.268	18.893	.000
Within Groups	54.271	20	2.714		
Total	259.342	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:POST -ENDOTELIN 1

	(I) KELOMPOK	(J) KELOMPOK	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	AQUADEST	EBB 100 mg/kg BB	6.91046920*	1.04183749E0	.000	3.7929012	10.0280372
		EBB 200 mg/kg BB	7.25154205*	1.04183749E0	.000	4.1339740	10.3691101
		EBB 300 mg/kg BB	7.25231502*	1.04183749E0	.000	4.1347470	10.3698831
		CAPTOPRIL 2,25 mg/kg BB	7.19815445*	1.04183749E0	.000	4.0805864	10.3157225
	EBB 100 mg/kg BB	AQUADEST	-6.91046920*	1.04183749E0	.000	-10.0280372	-3.7929012
		EBB 200 mg/kg BB	.34107284	1.04183749E0	.997	-2.7764952	3.4586409
		EBB 300 mg/kg BB	.34184582	1.04183749E0	.997	-2.7757222	3.4594138
		CAPTOPRIL 2,25 mg/kg BB	.28768525	1.04183749E0	.999	-2.8298828	3.4052533
	EBB 200 mg/kg BB	AQUADEST	-7.25154205*	1.04183749E0	.000	-10.3691101	-4.1339740
		EBB 100 mg/kg BB	-.34107284	1.04183749E0	.997	-3.4586409	2.7764952
		EBB 300 mg/kg BB	.00077297	1.04183749E0	1.000	-3.1167951	3.1183410
		CAPTOPRIL 2,25 mg/kg BB	-.05338760	1.04183749E0	1.000	-3.1709556	3.0641804
	EBB 300 mg/kg BB	AQUADEST	-7.25231502*	1.04183749E0	.000	-10.3698831	-4.1347470
		EBB 100 mg/kg BB	-.34184582	1.04183749E0	.997	-3.4594138	2.7757222
		EBB 200 mg/kg BB	-.00077297	1.04183749E0	1.000	-3.1183410	3.1167951
		CAPTOPRIL 2,25 mg/kg BB	-.05416057	1.04183749E0	1.000	-3.1717286	3.0634075
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-7.19815445*	1.04183749E0	.000	-10.3157225	-4.0805864
		EBB 100 mg/kg BB	-.28768525	1.04183749E0	.999	-3.4052533	2.8298828
		EBB 200 mg/kg BB	.05338760	1.04183749E0	1.000	-3.0641804	3.1709556
		EBB 300 mg/kg BB	.05416057	1.04183749E0	1.000	-3.0634075	3.1717286

LSD	AQUADEST	EBB 100 mg/kg BB	6.91046920*	1.04183749E0	.000	4.7372343	9.0837041
		EBB 200 mg/kg BB	7.25154205*	1.04183749E0	.000	5.0783071	9.4247770
		EBB 300 mg/kg BB	7.25231502*	1.04183749E0	.000	5.0790801	9.4255499
		CAPTOPRIL 2,25 mg/kg BB	7.19815445*	1.04183749E0	.000	5.0249195	9.3713894
	EBB 100 mg/kg BB	AQUADEST	-6.91046920*	1.04183749E0	.000	-9.0837041	-4.7372343
		EBB 200 mg/kg BB	.34107284	1.04183749E0	.747	-1.8321621	2.5143078
		EBB 300 mg/kg BB	.34184582	1.04183749E0	.746	-1.8313891	2.5150807
		CAPTOPRIL 2,25 mg/kg BB	.28768525	1.04183749E0	.785	-1.8855497	2.4609202
	EBB 200 mg/kg BB	AQUADEST	-7.25154205*	1.04183749E0	.000	-9.4247770	-5.0783071
		EBB 100 mg/kg BB	-.34107284	1.04183749E0	.747	-2.5143078	1.8321621
		EBB 300 mg/kg BB	.00077297	1.04183749E0	.999	-2.1724619	2.1740079
		CAPTOPRIL 2,25 mg/kg BB	-.05338760	1.04183749E0	.960	-2.2266225	2.1198473
	EBB 300 mg/kg BB	AQUADEST	-7.25231502*	1.04183749E0	.000	-9.4255499	-5.0790801
		EBB 100 mg/kg BB	-.34184582	1.04183749E0	.746	-2.5150807	1.8313891
		EBB 200 mg/kg BB	-.00077297	1.04183749E0	.999	-2.1740079	2.1724619
		CAPTOPRIL 2,25 mg/kg BB	-.05416057	1.04183749E0	.959	-2.2273955	2.1190743
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-7.19815445*	1.04183749E0	.000	-9.3713894	-5.0249195
		EBB 100 mg/kg BB	-.28768525	1.04183749E0	.785	-2.4609202	1.8855497
		EBB 200 mg/kg BB	.05338760	1.04183749E0	.960	-2.1198473	2.2266225
		EBB 300 mg/kg BB	.05416057	1.04183749E0	.959	-2.1190743	2.2273955

Games-Howell	AQUADEST	EBB 100 mg/kg BB	6.91046920	1.64498601E0	.059	-.3551508	14.1760892
		EBB 200 mg/kg BB	7.25154205	1.64009467E0	.051	-.0369915	14.5400756
		EBB 300 mg/kg BB	7.25231502	1.63992187E0	.051	-.0370464	14.5416765
		CAPTOPRIL 2,25 mg/kg BB	7.19815445	1.64171183E0	.052	-.0826926	14.4790015
	EBB 100 mg/kg BB	AQUADEST	-6.91046920	1.64498601E0	.059	-14.1760892	.3551508
		EBB 200 mg/kg BB	.34107284	.13403149	.231	-.2247718	.9069174
		EBB 300 mg/kg BB	.34184582	.13190007	.228	-.2316390	.9153307
		CAPTOPRIL 2,25 mg/kg BB	.28768525	.15255041	.406	-.2677992	.8431697
	EBB 200 mg/kg BB	AQUADEST	-7.25154205	1.64009467E0	.051	-14.5400756	.0369915
		EBB 100 mg/kg BB	-.34107284	.13403149	.231	-.9069174	.2247718
		EBB 300 mg/kg BB	.00077297	.03645823	1.000	-.1309365	.1324824
		CAPTOPRIL 2,25 mg/kg BB	-.05338760	.08487169	.964	-.3889572	.2821820
	EBB 300 mg/kg BB	AQUADEST	-7.25231502	1.63992187E0	.051	-14.5416765	.0370464
		EBB 100 mg/kg BB	-.34184582	.13190007	.228	-.9153307	.2316390
		EBB 200 mg/kg BB	-.00077297	.03645823	1.000	-.1324824	.1309365
		CAPTOPRIL 2,25 mg/kg BB	-.05416057	.08146405	.955	-.3966155	.2882944
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-7.19815445	1.64171183E0	.052	-14.4790015	.0826926
		EBB 100 mg/kg BB	-.28768525	.15255041	.406	-.8431697	.2677992
		EBB 200 mg/kg BB	.05338760	.08487169	.964	-.2821820	.3889572
		EBB 300 mg/kg BB	.05416057	.08146405	.955	-.2882944	.3966155

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

POST ENDOTELIN 1

	KELOMPOK	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	EBB 300 mg/kg BB	5	.7681885	
	EBB 200 mg/kg BB	5	.7689615	
	CAPTOPRIL 2,25 mg/kg BB	5	.8223491	
	EBB 100 mg/kg BB	5	1.1100343E0	
	AQUADEST	5		8.0205035E0
	Sig.		.997	1.000
Duncan[a]	EBB 300 mg/kg BB	5	.7681885	
	EBB 200 mg/kg BB	5	.7689615	
	CAPTOPRIL 2,25 mg/kg BB	5	.8223491	
	EBB 100 mg/kg BB	5	1.1100343E0	
	AQUADEST	5		8.0205035E0
	Sig.		.768	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

LAMPIRAN ANALISIS DATA
EKSPRESI GEN ANGIOTENSIN II

Descriptives

Notes

Output Created		06-Jul-2022 03:00:01
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=PRE_ANGIOTENSIN_AQUADEST PRE_ANGIOTENSIN_EBB100 PRE_ANGIOTENSIN_EBB200 PRE_ANGIOTENSIN_EBB300 PRE_ANGIOTENSIN_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
PRE ANGIOTENSIN AQUADEST	5	.00148	.08409	.0325550	.03528133
PRE ANGIOTENSIN EBB 100	5	.00156	1.45319	.4396849	.64968566
PRE ANGIOTENSIN EBB 200	5	.00256	.02979	.0145948	.01117325
PRE ANGIOTENSIN EBB 300	5	.00178	1.87143	.5739730	.83763688
PRE ANGIOTENSIN CAPTOPRIL	5	.00168	.39615	.1784749	.18085663
Valid N (listwise)	5				

Descriptives ANGIOTENSIN INDUKSI

Notes

Output Created		06-Jul-2022 02:56:11
Comments		
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=INDUKSI_ANGIOTENSIN_AQUADEST INDUKSI_ANGIOTENSIN_EBB100 INDUKSI_ANGIOTENSIN_EBB200 INDUKSI_ANGIOTENSIN_EBB300 INDUKSI_ANGIOTENSIN_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
INDUKSI ANGIOTENSIN AQUADEST	5	1.20017E3	2.79552E3	2.2536771E3	6.38519386E2
INDUKSI ANGIOTENSIN EBB 100	5	1.44931E3	5.04720E3	2.4981878E3	1.50198995E3
INDUIKSI ANGIOTENSIN EBB 200	5	3.86524E2	5.26895E3	2.8706951E3	2.19440270E3
INDUKSI ANGIOTENSIN EBB 300	5	1.58470E3	4.54801E3	2.8815657E3	1.42389976E3
INDUKSI ANGIOTENSIN CAPTOPRIL	5	8.44814E2	4.37047E3	2.2000209E3	1.54212746E3
Valid N (listwise)	5				

escriptives

Notes

Output Created		06-Jul-2022 02:57:49
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=POST_ANGIOTENSIN_AQUADEST POST_ANGIOTENSIN_EBB100 POST_ANGIOTENSIN_EBB200 POST_ANGIOTENSIN_EBB300 POST_ANGIOTENSIN_CAPTOPRIL /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
POST ANGIOTENSIN AQUADEST	5	4.11993E2	3.84403E3	1.5013714E3	1.39304668E3
POST ANGIOTENSIN EBB 100	5	.30273	1.02504	.5841560	.27375198
POST ANGIOTENSIN EBB 200	5	.46460	1.14549	.7633293	.25485142
POST ANGIOTENSIN EBB 300	5	.78619	1.11327	.9251326	.14877717
POST ANGIOTENSIN CAPTOPRIL	5	.15081	.75089	.3717009	.22537555
Valid N (listwise)	5				

T-Test

Notes

Output Created		06-Jul-2022 02:49:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	5
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=INDUKSI_ANGIOTENSIN_AQUADEST INDUKSI_ANGIOTENSIN_EBB100 INDUKSI_ANGIOTENSIN_EBB200 INDUKSI_ANGIOTENSIN_EBB300 INDUKSI_ANGIOTENSIN_CAPTOPRIL WITH POST_ANGIOTENSIN_AQUADEST POST_ANGIOTENSIN_EBB100 POST_ANGIOTENSIN_EBB200 POST_ANGIOTENSIN_EBB300 POST_ANGIOTENSIN_CAPTOPRIL (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	INDUKSI ANGIOTENSIN AQUADEST	2.2536771E3	5	6.38519386E2	2.85554550E2
	POST ANGIOTENSIN AQUADEST	1.5013714E3	5	1.39304668E3	6.22989416E2
Pair 2	INDUKSI ANGIOTENSIN EBB 100	2.4981878E3	5	1.50198995E3	6.71710328E2
	POST ANGIOTENSIN EBB 100	.5841560	5	.27375198	.12242561
Pair 3	INDUIKSI ANGIOTENSIN EBB 200	2.8706951E3	5	2.19440270E3	9.81366719E2
	POST ANGIOTENSIN EBB 200	.7633293	5	.25485142	.11397302

Pair 4	INDUKSI ANGIOTENSIN EBB 300	2.8815657E3	5	1.42389976E3	6.36787332E2
	POST ANGIOTENSIN EBB 300	.9251326	5	.14877717	.06653517
Pair 5	INDUKSI ANGIOTENSIN CAPTOPRIL	2.2000209E3	5	1.54212746E3	6.89660367E2
	POST ANGIOTENSIN CAPTOPRIL	.3717009	5	.22537555	.10079101

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	INDUKSI ANGIOTENSIN AQUADEST & POST ANGIOTENSIN AQUADEST	5	-.329	.589
Pair 2	INDUKSI ANGIOTENSIN EBB 100 & POST ANGIOTENSIN EBB 100	5	.896	.040
Pair 3	INDUIKSI ANGIOTENSIN EBB 200 & POST ANGIOTENSIN EBB 200	5	.440	.458
Pair 4	INDUKSI ANGIOTENSIN EBB 300 & POST ANGIOTENSIN EBB 300	5	-.449	.448
Pair 5	INDUKSI ANGIOTENSIN CAPTOPRIL & POST ANGIOTENSIN CAPTOPRIL	5	.544	.344

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	INDUKSI ANGIOTENSIN AQUADEST - POST ANGIOTENSIN AQUADEST	7.52305695E2	1.71267110E3	7.65929801E2	-1.37425635E3	2.87886774E3	.982	4	.382
Pair 2	INDUKSI ANGIOTENSIN EBB 100 - POST ANGIOTENSIN EBB 100	2.49760362E3	1.50174479E3	6.71600688E2	6.32941176E2	4.36226606E3	3.719	4	.020
Pair 3	INDUIKSI ANGIOTENSIN EBB 200 - POST ANGIOTENSIN EBB 200	2.86993178E3	2.19429045E3	9.81316520E2	1.45360335E2	5.59450323E3	2.925	4	.043
Pair 4	INDUKSI ANGIOTENSIN EBB 300 - POST ANGIOTENSIN EBB 300	2.88064055E3	1.42396658E3	6.36817213E2	1.11255251E3	4.64872858E3	4.523	4	.011
Pair 5	INDUKSI ANGIOTENSIN CAPTOPRIL - POST ANGIOTENSIN CAPTOPRIL	2.19964919E3	1.54200496E3	6.89605585E2	2.84997145E2	4.11430124E3	3.190	4	.033

Oneway

Notes

Output Created		06-Jul-2022 02:50:23
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY POST_ANGIOTENSIN BY KELOMPOK /STATISTICS DESCRIPTIVES HOMOGENEITY /PLOT MEANS /MISSING ANALYSIS /POSTHOC=TUKEY DUNCAN LSD GH ALPHA(0.05).
Resources	Processor Time	00:00:00.297
	Elapsed Time	00:00:00.281

Descriptives

POST ANGIOTENSIN

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
AQUADEST	5	1.5013714E3	1.39304668E3	6.22989416E2	-228.3245240	3.2310673E3	4.11993E2	3.84403E3
EBB 100 mg/kg BB	5	5.8415599E-1	.27375198	.12242561	.2442480	.9240640	.30273	1.02504
EBB 200 mg/kg BB	5	7.6332930E-1	.25485142	.11397302	.4468895	1.0797691	.46460	1.14549
EBB 300 mg/kg BB	5	9.2513260E-1	.14877717	.06653517	.7404013	1.1098639	.78619	1.11327
CAPTOPRIL 2,25 mg/kg BB	5	3.7170092E-1	.22537555	.10079101	.0918602	.6515416	.15081	.75089
Total	25	3.0080314E2	8.35933701E2	1.67186740E2	-44.2533311	645.8596145	.15081	3.84403E3

Test of Homogeneity of Variances

POST ANGIOTENSIN

Levene Statistic	df1	df2	Sig.
7.898	4	20	.001

ANOVA

POST ANGIOTENSIN

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9008526.587	4	2252131.647	5.803	.003
Within Groups	7762317.092	20	388115.855		
Total	1.677E7	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:POST ANGIOTENSIN

	(I) KELOMPOK	(J) KELOMPOK	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	AQUADEST	EBB 100 mg/kg BB	1.50078723E3	3.94013124E2	.009	321.7523679	2.6798221E3
		EBB 200 mg/kg BB	1.50060806E3	3.94013124E2	.009	321.5731946	2.6796429E3
		EBB 300 mg/kg BB	1.50044626E3	3.94013124E2	.009	321.4113913	2.6794811E3
		CAPTOPRIL 2,25 mg/kg BB	1.50099969E3	3.94013124E2	.009	321.9648229	2.6800346E3
	EBB 100 mg/kg BB	AQUADEST	-1.50078723E3	3.94013124E2	.009	-2.6798221E3	-3.2175237E2
		EBB 200 mg/kg BB	-.17917330	3.94013124E2	1.000	-1.1792140E3	1.1788557E3
		EBB 300 mg/kg BB	-.34097660	3.94013124E2	1.000	-1.1793758E3	1.1786939E3
		CAPTOPRIL 2,25 mg/kg BB	.21245507	3.94013124E2	1.000	-1.1788224E3	1.1792473E3
	EBB 200 mg/kg BB	AQUADEST	-1.50060806E3	3.94013124E2	.009	-2.6796429E3	-3.2157319E2
		EBB 100 mg/kg BB	.17917330	3.94013124E2	1.000	-1.1788557E3	1.1792140E3
		EBB 300 mg/kg BB	-.16180330	3.94013124E2	1.000	-1.1791967E3	1.1788731E3
		CAPTOPRIL 2,25 mg/kg BB	.39162837	3.94013124E2	1.000	-1.1786432E3	1.1794265E3
	EBB 300 mg/kg BB	AQUADEST	-1.50044626E3	3.94013124E2	.009	-2.6794811E3	-3.2141139E2
		EBB 100 mg/kg BB	.34097660	3.94013124E2	1.000	-1.1786939E3	1.1793758E3
		EBB 200 mg/kg BB	.16180330	3.94013124E2	1.000	-1.1788731E3	1.1791967E3
		CAPTOPRIL 2,25 mg/kg BB	.55343167	3.94013124E2	1.000	-1.1784814E3	1.1795883E3
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-1.50099969E3	3.94013124E2	.009	-2.6800346E3	-3.2196482E2
		EBB 100 mg/kg BB	-.21245507	3.94013124E2	1.000	-1.1792473E3	1.1788224E3
		EBB 200 mg/kg BB	-.39162837	3.94013124E2	1.000	-1.1794265E3	1.1786432E3
		EBB 300 mg/kg BB	-.55343167	3.94013124E2	1.000	-1.1795883E3	1.1784814E3

LSD	AQUADEST	EBB 100 mg/kg BB	1.50078723E3	3.94013124E2	.001	678.8902594	2.3226842E3
		EBB 200 mg/kg BB	1.50060806E3	3.94013124E2	.001	678.7110861	2.3225050E3
		EBB 300 mg/kg BB	1.50044626E3	3.94013124E2	.001	678.5492828	2.3223432E3
		CAPTOPRIL 2,25 mg/kg BB	1.50099969E3	3.94013124E2	.001	679.1027145	2.3228967E3
	EBB 100 mg/kg BB	AQUADEST	-1.50078723E3	3.94013124E2	.001	-2.3226842E3	-6.7889026E2
		EBB 200 mg/kg BB	-.17917330	3.94013124E2	1.000	-8.2207615E2	821.7178010
		EBB 300 mg/kg BB	-.34097660	3.94013124E2	.999	-8.2223795E2	821.5559977
		CAPTOPRIL 2,25 mg/kg BB	.21245507	3.94013124E2	1.000	-8.2168452E2	822.1094293
	EBB 200 mg/kg BB	AQUADEST	-1.50060806E3	3.94013124E2	.001	-2.3225050E3	-6.7871109E2
		EBB 100 mg/kg BB	.17917330	3.94013124E2	1.000	-8.2171780E2	822.0761476
		EBB 300 mg/kg BB	-.16180330	3.94013124E2	1.000	-8.2205878E2	821.7351710
		CAPTOPRIL 2,25 mg/kg BB	.39162837	3.94013124E2	.999	-8.2150535E2	822.2886026
	EBB 300 mg/kg BB	AQUADEST	-1.50044626E3	3.94013124E2	.001	-2.3223432E3	-6.7854928E2
		EBB 100 mg/kg BB	.34097660	3.94013124E2	.999	-8.2155600E2	822.2379509
		EBB 200 mg/kg BB	.16180330	3.94013124E2	1.000	-8.2173517E2	822.0587776
		CAPTOPRIL 2,25 mg/kg BB	.55343167	3.94013124E2	.999	-8.2134354E2	822.4504059
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-1.50099969E3	3.94013124E2	.001	-2.3228967E3	-6.7910271E2
		EBB 100 mg/kg BB	-.21245507	3.94013124E2	1.000	-8.2210943E2	821.6845192
		EBB 200 mg/kg BB	-.39162837	3.94013124E2	.999	-8.2228860E2	821.5053459
		EBB 300 mg/kg BB	-.55343167	3.94013124E2	.999	-8.2245041E2	821.3435426

Games-Howell	AQUADEST	EBB 100 mg/kg BB	1.50078723E3	6.22989428E2	.276	-1.2687741E3	4.2703486E3
		EBB 200 mg/kg BB	1.50060806E3	6.22989426E2	.276	-1.2689533E3	4.2701694E3
		EBB 300 mg/kg BB	1.50044626E3	6.22989419E2	.276	-1.2691151E3	4.2700076E3
		CAPTOPRIL 2,25 mg/kg BB	1.50099969E3	6.22989424E2	.276	-1.2685617E3	4.2705610E3
	EBB 100 mg/kg BB	AQUADEST	-1.50078723E3	6.22989428E2	.276	-4.2703486E3	1.2687741E3
		EBB 200 mg/kg BB	-.17917330	.16726589	.816	-.7577557	.3994091
		EBB 300 mg/kg BB	-.34097660	.13933757	.219	-.8587949	.1768417
		CAPTOPRIL 2,25 mg/kg BB	.21245507	.15857761	.678	-.3403544	.7652645
	EBB 200 mg/kg BB	AQUADEST	-1.50060806E3	6.22989426E2	.276	-4.2701694E3	1.2689533E3
		EBB 100 mg/kg BB	.17917330	.16726589	.816	-.3994091	.7577557
		EBB 300 mg/kg BB	-.16180330	.13197264	.739	-.6456910	.3220844
		CAPTOPRIL 2,25 mg/kg BB	.39162837	.15214689	.167	-.1359259	.9191826
	EBB 300 mg/kg BB	AQUADEST	-1.50044626E3	6.22989419E2	.276	-4.2700076E3	1.2691151E3
		EBB 100 mg/kg BB	.34097660	.13933757	.219	-.1768417	.8587949
		EBB 200 mg/kg BB	.16180330	.13197264	.739	-.3220844	.6456910
		CAPTOPRIL 2,25 mg/kg BB	.55343167	.12077151	.015	.1200743	.9867891
	CAPTOPRIL 2,25 mg/kg BB	AQUADEST	-1.50099969E3	6.22989424E2	.276	-4.2705610E3	1.2685617E3
		EBB 100 mg/kg BB	-.21245507	.15857761	.678	-.7652645	.3403544
		EBB 200 mg/kg BB	-.39162837	.15214689	.167	-.9191826	.1359259
		EBB 300 mg/kg BB	-.55343167	.12077151	.015	-.9867891	-.1200743

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

POST ANGIOTENSIN

	KELOMPOK	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	CAPTOPRIL 2,25 mg/kg BB	5	.3717009	
	EBB 100 mg/kg BB	5	.5841560	
	EBB 200 mg/kg BB	5	.7633293	
	EBB 300 mg/kg BB	5	.9251326	
	AQUADEST	5		1.5013714E3
	Sig.		1.000	1.000
Duncan[a]	CAPTOPRIL 2,25 mg/kg BB	5	.3717009	
	EBB 100 mg/kg BB	5	.5841560	
	EBB 200 mg/kg BB	5	.7633293	
	EBB 300 mg/kg BB	5	.9251326	
	AQUADEST	5		1.5013714E3
	Sig.		.999	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

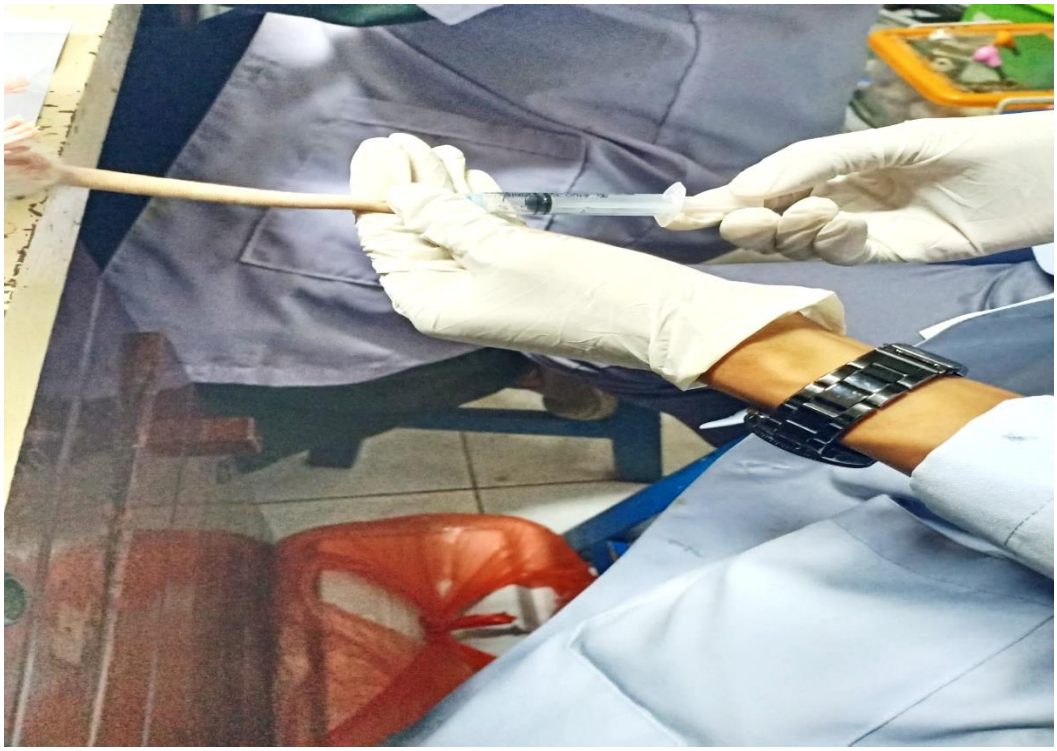
Lampiran Gambar Dokumentasi Penelitian

Gambar 28. Kondisi pemeliharaan tikus dalam kandang

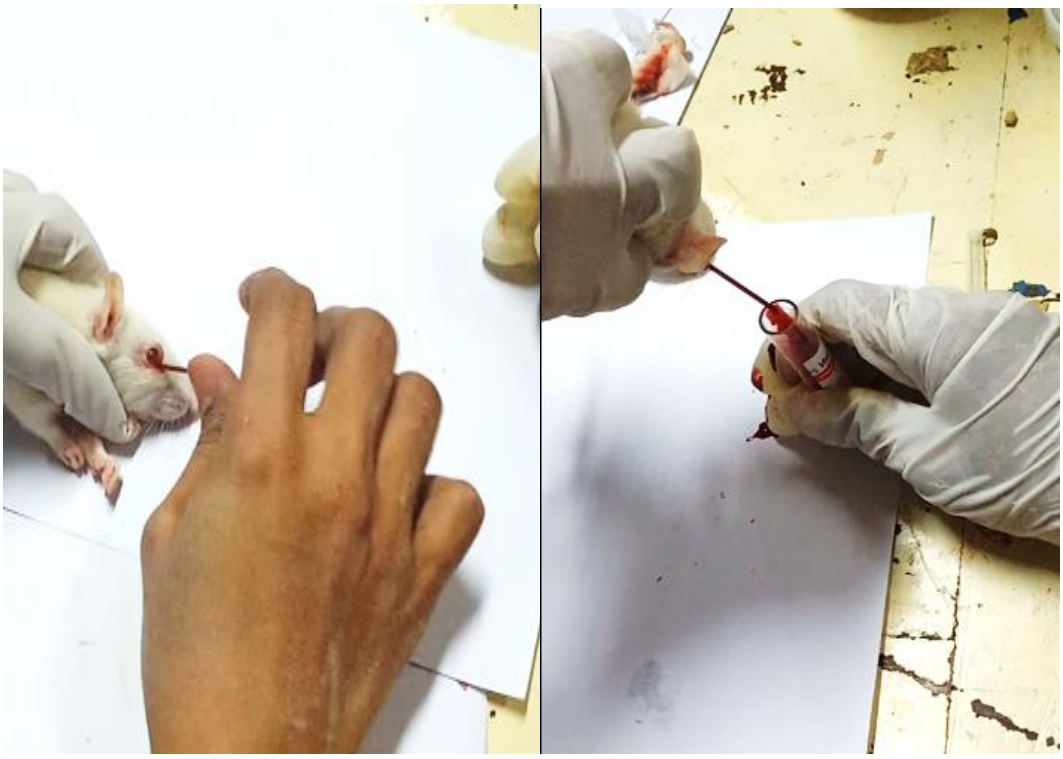
Gambar 29. Seperangkat Alat Tensi Tikus *tail-cuff method* dari PANLAB Harvard Apparatus Tipe 5001

Gambar 30. Tikus yang dimasukkan ke dalam *holder*

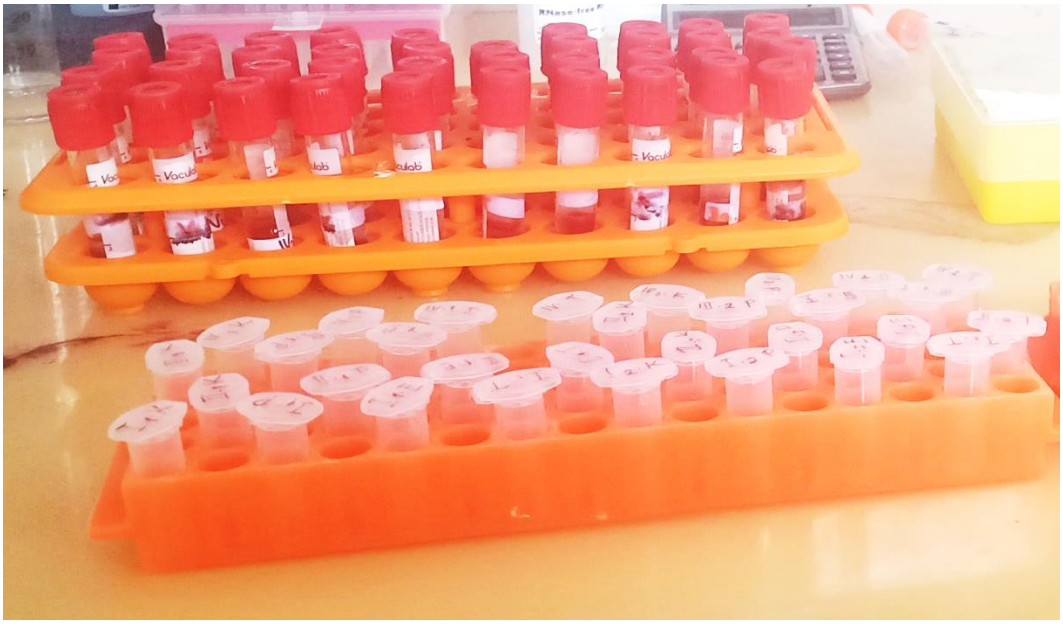
Gambar 31. Pemasangan manset pada ekor tikus (*tail-cuff method)*



Gambar 32. Pengambilan darah tikus melalui vena lateralis ekor



Gambar 33. Pengambilan darah melalui intraorbita



Gambar 34. Sampel Uji darah tikus dan serum hasil sentrifugasi untuk pengukuran ekspresi mRNA gen

Gambar 35. Pengujian Ekspresi mRNA gen pada alat RT-PCR