

DAFTAR PUSTAKA

- Achi, N.K. and Ohaeri, O.C. 2012. Acute and subacute toxicity studies of *Sansevieria liberica* aqueous leaf extracts. *International Journal of Pharmaceutical Sciences* 3(3), Suppl 1: 1938-1951.
- Aamir, K., Khan, H.U., Hossain, C.F., Afrin, M.R., Shaik, I., Salleh, B., Giribabu, N., and Arya, A. 2019. Oral toxicity of arjunolic acid on hematological, biochemical and histopathological investigations in female Sprague Dawley rats. *PeerJ* 7: 15-16.
- Adewoyin, A., and Nwogoh, B. 2014. The Peripheral Blood Film. *Annals of Ibadan Postgraduate Medicine*, 12(2), 71–79. <https://doi.org/10.1016/c2013-0-06261-5>
- Agrawal, K. 2008. Vincristine. in *xPharm: The Comprehensive Pharmacology Reference*. Boston: Elsevier.
- Ahmad, T., Negi, D.S., and Khan, M.F. 2017. Phytochemical analysis, total phenolic content, antioxidant and antidiabetic activity of *Sansevieria cylindrica* leaves extract. *Journal of Natural Products and Resources* 3(2): 134-136.
- Andhare, R.N., Raut, M.K., and Naik, S.R. 2012. Evaluation of antiallergic and anti-anaphylactic activity of ethanolic extract of *Sansevieria trifasciata* leaves (EEST) in rodents. *Journal of Ethnopharmacology* 142: 627-633
- Ardina, R., and Rosalinda, S. 2018. Morfologi Eosinofil Pada Apusan Darah Tepi Menggunakan Pewarnaan Giemsa, Wright, dan Kombinasi Wright-Giemsa. *Jurnal Surya Medika* 3(2): 5–12. <https://doi.org/10.33084/jsm.v3i2.91>
- Arika, W.M., Nyamai, D.W., Musila, M.N., Ngugi, M.P., and Njagi, E.N.M. 2016. Hematological markers of in vivo toxicity. *Journal of Hematology & Thromboembolic Diseases* 4(2): 1-5.
- Ayalogu, E.O., Ikewuchi, C.C., Onyeike, E.N., and Ikewuchi, J.C. 2011. Effects of an aqueous leaf extract of *Sansevieria senegambica* Baker on plasma biochemistry and haematological indices of salt-loaded rats. *South African Journal of Science* 107(11-12): 1-5.
- Baccini, V., Geneviève, F., Jacqmin, H., Chatelain, B., Girard, S., Wuilleme, S., Vedrenne, A., Guiheneuf, E., Toussaint-Hacquard, M., Everaere, F., Soulard, M., Lesesve, J. F., and Bardet, V. 2020. Platelet counting: Ugly traps and good advice. proposals from the french-speaking cellular hematology group (gfhc). *Journal of Clinical Medicine* 9(3): 1. <https://doi.org/10.3390/jcm9030808>
- Bailly, Y., and Duprat, P. 1990. Normal Blood Cell Values, Rat. In *Hemopoietic System* (pp. 27–38). Springer-Verlag. https://doi.org/10.1007/978-3-642-84110-1_3

- Beyan, C., Kaptan, K., and Ifran, A. 2006. Platelet count, mean platelet volume, platelet distribution width, and plateletcrit do not correlate with optical platelet aggregation responses in healthy volunteers. *Journal of Thrombosis and Thrombolysis* 22(3), 161–164. <https://doi.org/10.1007/s11239-006-9014-7>
- Budak, Y. U., Polat, M., and Huysal, K. 2016. The use of platelet indices, plateletcrit, mean platelet volume and platelet distribution width in emergency non-traumatic abdominal surgery: A systematic review. *Biochemia Medica* 26(2), 178–182. <https://doi.org/10.11613/BM.2016.020>
- Chigozie, I.J. and Chidinma, I.C. 2012. Positive moderation of the hematology, plasma biochemistry and ocular indices of oxidative stress in alloxan-induced diabetic rats, by an aqueous extract of the leaves of *Sansevieria liberica* Gerome and Labroy. *Asian Pacific Journal of Tropical Medicine* 6(1): 27.
- Debelo, N., Afework, M., Debella, A., Makonnen, E., Ergete, W., and Geleta, B. 2016. Assessment of hematological, biochemical and histopathological effects of acute and sub-chronic administration of the aqueous leaves extract of *Thymus schimperii* in rats. *Journal of Clinical Toxicology* 6(2): 6-7.
- Dewatisari, W.F. 2020. Perbandingan pelarut kloroform dan etanol terhadap rendemen ekstrak daun lidah mertua (*Sansevieria trifasciata* Prain.) menggunakan metode maserasi. *Prosiding Seminar Nasional Biologi di Era Pandemi COVID-19*. UIN Alauddin, Gowa, Sulawesi Selatan. 19 September 2010. pp. 127-131
- Faggio, C., Sureda, A., Morabito, S., Sanches-Silva, A., Mocan, A., Nabavi, S. F., and Nabavi, S. M. 2017. Flavonoids and platelet aggregation: A brief review. *European Journal of Pharmacology* 807: 91–101. <https://doi.org/10.1016/j.ejphar.2017.04.009>
- Farag, M. R., and Alagawany, M. 2018. Erythrocytes as a biological model for screening of xenobiotics toxicity. *Chemico-Biological Interactions* 279: 73–83. <https://doi.org/10.1016/j.cbi.2017.11.007>
- Fava, C., Cattazzo, F., Hu, Z.-D., Lippi, G., and Montagnana, M. 2019. The role of red blood cell distribution width (RDW) in cardiovascular risk assessment: useful or hype? *Annals of Translational Medicine* 7(20): 1–3. <https://doi.org/10.21037/atm.2019.09.58>
- Fitria, L., and Sarto, M. 2014. Profil Hematologi Tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar Jantan dan Betina Umur 4, 6, dan 8 Minggu. *Biogenesis* 2(2): 94.
- Fitria, L., Suranto, R., Utami, I., and Puspitasari, S. 2020. Uji Toksisitas Oral Dosis Berulang Filtrat Buah Luwangan (*Ficus hispida* L.f) Menggunakan Model

Tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar. *Berita Biologi*, 19(3A), 297–306.

- Giknis, M L A., and Clifford, C. B. 2008. Clinical Laboratory Parameters for crl: WI(Han) Rats. In *Charles River Laboratories*. [https://www.criver.com/sites/default/files/Technical Resources/Clinical Laboratory Parameters for Crl-WI\(Han\) Rats - March 2008.pdf](https://www.criver.com/sites/default/files/Technical%20Resources/Clinical%20Laboratory%20Parameters%20for%20Crl-WI(Han)%20Rats%20-%20March%202008.pdf)
- Gupta, M., Mazumdar, U. K., Sivakumar, T., Vamsi, M. L. M., Karki, S. S., Sambathkumar, R., and Manikandan, L. 2003. Evaluation of anti-inflammatory activity of chloroform extract of *Bryonia laciniosa* in experimental animal models. *Biological and Pharmaceutical Bulletin* 26(9), 1342–1344. <https://doi.org/10.1248/bpb.26.1342>
- Gladwin, A. -M, and Martin, J. F. 1990. The control of megakaryocyte ploidy and platelet production: Biology and pathology. *The International Journal of Cell Cloning* 8(4), 291–298. <https://doi.org/10.1002/stem.5530080414>
- Handtke, S., and Thiele, T. 2020. Large and small platelets—(When) do they differ? *Journal of Thrombosis and Haemostasis* 18(6): 1256–1258. <https://doi.org/10.1111/jth.14788>
- HPO. 2022. Decreased Mean Corpuscular Hemoglobin Concentration. <https://hpo.jax.org/app/browse/term/HP:0025547>. Diakses pada 10 Juli 2022.
- IACUC. 2020. Anesthesia (Guideline). Vertebrate Animal Research. <https://animal.research.uiowa.edu/iacuc-guidelines-anesthesia>. Diakses pada tanggal 4 Juni 2021
- Ighodaro, O.M., Adosun, A.M., Ojiko, B.F., Akorede, A.T., and Fuyi-Williams, O. 2017. Toxicity status and antiulcerative potential of *Sansevieria trifasciata* leaf extract in Wistar rats. *Journal of Intercultural Ethnopharmacology* 6(2): 234-239. DOI: 10.5455/jice. 20170421103553
- Ilyas, M., Saehu, M. S., Bina, P., and Kendari, H. 2021. Efek Antiinflamasi Fraksi Dari Ekstrak Etanol Batang Galing (*Cayratia trifolia* L. Domin) Secara In Vitro. *Jurnal Farmasi Sains Dan Praktis* 7(3): 289–297.
- ITIS. 2022. *Sansevieria trifasciata* hort. ex Prain. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=43014. Diakses pada 10 Juli 2020.
- Kundrapu, S., and Noguez, J. 2018. Laboratory Assessment of Anemia. In *Advances in Clinical Chemistry* (1st ed., Vol. 83). Elsevier Inc. <https://doi.org/10.1016/bs.acc.2017.10.006>
- Kweon, O. J., Lim, Y. K., Lee, M. K., and Kim, H. R. 2022. Red and white blood cell morphology characterization and hands-on time analysis by the digital cell imaging analyzer DI-60. *PLoS ONE* 17(4), 2. <https://doi.org/10.1371/journal.pone.0267638>

- Liu, C. C., Ko, H. J., Liu, W. S., Hung, C. L., Hu, K. C., Yu, L. Y., and Shih, S. C. 2019. Neutrophil-to-lymphocyte ratio as a predictive marker of metabolic syndrome. *Medicine (United States)* 98(43), 1. <https://doi.org/10.1097/MD.00000000000017537>
- Loo, B. Van der, and Martin, J. F. 1999. Acute coronary syndromes. A Role for Changes in Platelet Production in the Cause of Acute Coronary Syndromes. *Arterioscler Thromb Vasc Biol* 673. [https://doi.org/10.1016/S0140-6736\(99\)80046-4](https://doi.org/10.1016/S0140-6736(99)80046-4)
- Lowekani, D. P. 2013. *The ABC of CBC Interpretation of Complete Blood Count and Histogramle*. Jaypee Brothers Medical Publishers.
- Luo, M., Chen, Y., Cheng, Y., Li, N., and Qing, H. 2022. Association between hematocrit and the 30-day mortality of patients with sepsis: A retrospective analysis based on the large-scale clinical database MIMIC-IV. *Plos One* 17(3), 2. <https://doi.org/10.1371/journal.pone.0265758>
- Mantskava, M., Momtselidze, N., Mitagvaria, N., Davlianidze, L., Devdariani, M., Nebieridze, M., Gumberidze, L., Kvachakidze, I., and Sikhariulidze, N. 2018. The Influence of Polysorbate Tween 80 on Somatic Health Rats in Experiment. *MOJ Anat & Physiol* 5(2): 152.
- Maner, B.S., and Moosavi, L. (2022, May 29). *Mean Corpuscular Volume*. NCBI. <https://www.ncbi.nlm.nih.gov/books/NBK545275/>
- Martins, E. C., Da Fe Silveira, L., Viegas, K., Beck, A. D., Júnior, G. F., Cremonese, R. V., and Lora, P. S. 2019. Neutrophil-lymphocyte ratio in the early diagnosis of sepsis in an intensive care unit: A case-control study. *Revista Brasileira de Terapia Intensiva* 31(1): 64. <https://doi.org/10.5935/0103-507X.20190010>
- Mien, D.J., Carolin, W.A., and Firhani, P.A. 2015. Penetapan kadar saponin pada ekstrak daun lidah mertua (*Sansevieria trifasciata* Prain varietas *S. laurentii*) secara gravimetri. *Jurnal Ilmu dan Teknologi Kesehatan* 2(2): 65-69
- Musa, D. A., Musa, A., Fred, O., and Nwodo, C. 2018. Acute and Sub-Chronic Toxicity Screening of Chloroform Extract of *Ficus capensis* in Rats Phytochemistry & Biochemistry. *Journal of J Phytochemistry & Biochemistry*, 2(1), 2-5.
- National Research Council. 2011. Guide for the care and use of laboratory animals: 8th ed. The National Academies Press. Washington, DC. DOI: 10.17226/12910.
- National Toxicology Program. 1992. Toxicology and Carcinogenesis Studies of Polysorbate 80. U.S. Department of Health and Human Service, Research Triangle Park, NC, North California.
- Obinna, V.C., Kagbo, H.D., and Agu, G.O. Effect of Chloroform Leaf Extracts of *Portulaca oleracea* Linn. (Purslane) on Haematological Parameters in

Albino Wistar Rats. *Journal of Complementary and Alternative Medical Research* 6(3): 1-7.

- Oduola, T., Bello, I., Adeosun, G., Ademosun, A.W., Rahean, G., and Avwioro, G. 2010. Hepatotoxicity and nephrotoxicity evaluation in Wistar albino rats exposed to *Morinda lucida* leaf extract. *North American Journal of Medical Sciences*. 2(5): 230-231.
- OECD. 2002. Test No. 420: Acute Oral Toxicity - Fixed Dose Procedure. OECD Guidelines for the Testing of Chemicals, Section 4, OECD Publishing, Paris. DOI: 10.1787/9789264070943-en.
- OECD. 2008. Test No. 407: Repeated Dose 28-day Oral Toxicity Study in Rodents. OECD Guidelines for the Testing of Chemicals. Section 4. OECD Publishing, Paris. DOI: 10.1787/9789264070684-en.
- Omoboyowa, D., Alex, A., Lawrence Ogunneye, C. Ephraim Igara, and G. Otuchristian. 2016. Phytochemical Screening and Haematological Studies of *Parquetina Nigrescens* Ethanol and Chloroform Leaves Extracts in Normal Albino Rats. *African Journal of Pharmacy and Pharmacology* 10(10):164–168. doi: 10.5897/ajpp2015.4451.
- Patterson, A.D., Gonzales, F.J., and Idle, J.R. 2010. Xenobiotic Metabolism – A View Through The Metabolometer. *Chem Res Toxicol* 23 (5): 851-860.
- Pinky, S.S., Monira, S., Hossain, A., and Hossain, A. 2020. Antioxidant, anti-inflammatory, cytotoxic and analgesic activities of *Sansevieria trifasciata*. *Bangladesh Pharmaceutical Journal* 23(2): 195-199.
- Prinyakupt, J., and Pluempitiwiriawej, C. 2015. Segmentation of white blood cells and comparison of cell morphology by linear and naïve Bayes classifiers. *BioMedical Engineering Online* 14(1): 2. <https://doi.org/10.1186/s12938-015-0037-1>
- Pogorzelska, K., Krętowska, A., Krawczuk-Rybak, M., and Sawicka-Żukowska, M. 2020. Characteristics of platelet indices and their prognostic significance in selected medical condition – a systematic review. *Advances in Medical Sciences* 65(2): 310–315. <https://doi.org/10.1016/j.advms.2020.05.002>
- Ramamurthy, B. D., Shivashekar, G., and Balaji, R. 2018. Plateletcrit in differentiating quantitative abnormalities of platelet. *Clinical and Experimental Pathology Research* 1(1): 1–4.
- Reddy, R. S., and Khan, M. I. 2018. A study of platelet large cell ratio [P-LCR] in thrombocytopenia. *Saudi Journal of Medicine (SJM)* 100(4): 125–126. <https://doi.org/10.21276/sjm.2018.3.4.3>
- Sarma, P.R. (1990). Red cell indices. In *Clinical Methods: The History, Physical, and Laboratory Examinations*. 3rd ed., pp.371–372. NCBI. https://doi.org/10.5005/jp/books/12973_23

- Shivakumarswamy, U., R. P., and R. N. K. 2019. Relationship between mean platelet volume and platelet count: A prospective study in healthy adult population. *MedPulse International Journal of Pathology* 12(3): 171–175. <https://doi.org/10.26611/10512311>
- Soetan, K. O. 2008. Pharmacological and other beneficial effects of anti-Nutritional factors in plants - A review. *African Journal of Biotechnology* 7(25): 4713–4721.
- Song, M., Graubard, B.I., Rabkin, C.S., and Engels. 2021. Neutrophil-to-Lymphocyte Ratio and Mortality in the United States General Population. *Nature Research* 11(464): 1.
- Sunilson, A. J., Jayaraj, P., Varatharajan, R., Thomas, J., James, J., and Muthappan, M. 2009. Analgesic and antipyretic effects of *Sansevieria trifasciata* leaves. *Journal of Traditional, Complementary and Alternative Medicines* 6(4): 529-533.
- Thamir, S.N., Saadi, A.K.A.S., and Jebur, I.O. 2013. Investigation the Immunoadjuvant Activity for Polysorbate 80. *Asian Journal of Pharmacy, Nursing and Medical Sciences* 1(1): 22.
- Tien, S.L. 1995. Validating the Platelet Count. *Singapore Med J* 36(3): 256.
- Tolla, N., Perdana, N., Anggeraini, S., and Faidah, N. 2019. Analisis indeks trombosit dan rasio trombosit limfosit sebagai penanda kerusakan ginjal pada penderita hipertensi Berbagai derajat. *Medica Arteriana* 1(2): 10.
- Uddin, N., Hasan, R., Hasan, M., Hossain, M., Alam, R., Hasan, M.R., Islam, M., Rahman, T., and Rana, S. 2014. Assessment of toxic effects of the methanol extract of *Citrus macroptera* Montr. Fruit via Biochemical and Hematological Evaluation in Female Sprague-Dawley Rats. *PLOS ONE* 9(11): 4.
- Udem, S.C., Anyanwu, M.U., Obidike, R.I., and Udem, N. The effects of *Psidium guajava* Linn. (Myrtaceae) leaf chloroform extract on some hematological and biochemical parameters in mice D. *Comp Clin Pathol* 55: 49-51.
- United Nations. 2013. *Globally harmonized system of classification and labelling of chemicals (GHS)*. New York: United Nations
- Upadhyay, P., Shukla, R., Tiwari, K.N., Dubey, G.P., and Mishra, K. 2019. Toxicity assessment of the alcoholic leaves extract of *Reinwardtia indica*. *Brazilian Journal of Pharmaceutical Sciences* 55: 4.
- Ward, J. M., Cherian, S., and Linden, M. A. 2018. Hematopoietic and lymphoid tissues. In *Pathology Exam Review*. Elsevier Inc. <https://doi.org/10.1016/b978-0-12-802900-8.00019-1>



- Warsita, N., Fikri, Z., dan Ariami, P. 2019. Pengaruh Lama Penundaan Pengecatan Setelah Fiksasi Apusan Darah tepi Terhadap Morfologi Eritrosit. *Jurnal Analisis Medika Bio Sains* 6(2): 125-129.
- Weiss, D.J. and Wardrop, K.J. (eds). 2010. *Schalm's veterinary hematology*. 6th ed. Wiley Blackwell, Ames, IA.
- Zhang, J., Li, M., and He, Y. 2015. Large Population Study for Age- and Gender-Related Variations of Platelet Indices in Southwest China Healthy Adults. *Hematology & Transfusion International Journal* 1(4): 108–114. <https://doi.org/10.15406/htij.2015.01.00023>