

DAFTAR PUSTAKA

- Abdo, E. M., Shaltout, O. E. S., El-Sohaimy, S., Abdalla, A. E., & Zeitoun, A. M. 2021. Effect of functional beetroot pomace biscuit on phenylhydrazine induced anemia in albino rats: Hematological and blood biochemical analysis. *Journal of Functional Foods*, 78: 104-385.
- Ahmadi, C., Hermawan, D., Srinadi, N. L. P., & Kusuma, T. M. 2021. Penerapan Digital Marketing sebagai Strategi Pengembangan Usaha Ternak Tikus Putih. *Yumary: Jurnal Pengabdian Kepada Masyarakat*, 2(1), 29-37.
- Alipin, K., Sari, E. P., Madihah, M., Setiawati, T., Ratningsih, N., & Malini, D. M. 2017. Kidney histology in streptozotocin-induced diabetic male Wistar rats treated with combined extract of temulawak rhizome and belimbing wuluh fruit. *Nusantara Bioscience*, 9(3), 312-317.
- Amoghmath, S., & Majagi S.I. 2017. Drug induced kidney disease. *Open. Acc. J. Toxicol.* 2(1):1-3.
- Anindita, Reza. 2019. Uji Seduhan Daun The Hijau (*Camelia sinensis* L.) pada Ginjal Mencit yang diberi Monosodium Glutamat (MSG). *Borneo Journal of Pharmascientech.* 3(2). 189-200
- Anjani, M., AS, N. A., & Mubarakati, N. J. 2021. Studi Subkronik. 28 Hari: Uji Toksisitas Ekstrak Metanolik Kombinasi *Scurulla atropurpurea* dan *Dendrophthoe pentandra* terhadap Kerusakan Fungsi Ginjal Tikus Wistar Betina. *Jurnal Ilmiah Biosaintropis (Bioscience-Tropic)*, 6(2): 58-63.
- Annisa, T., Sitaswi, A. J., Isdadiyanto, S., & Jannah, S. N. 2021. Studi Histopatologi Ren Tikus Putih (*Rattus Norvegicus* L.) Diabetes Setelah Pemberian Cuka dari Kulit Nanas (*Ananas Comosus* (L.) Mer.). *Jurnal Sain Veteriner*, 39(3), 256-260.
- Arini, W., S. Isdadiyanto, & A.J. Sitaswi. 2020. Efek Pemberian Ekstrak Etanol Daun Mimba (*Azadirachta indica* A. Juss.) terhadap Struktur Ren Tikus Putih (*Rattus norvegicus* L.) yang Diberi Pakan Tinggi Lemak. *Buletin Anatomi dan Fisiologi.* 5(2):157-165.
- Arumugam, M. K., Paal, M. C., Donohue Jr, T. M., Ganesan, M., Osna, N. A., & Kharbanda, K. K. 2021. Beneficial effects of betaine: a comprehensive review. *Biology*, 10(6), 456.
- Bahadoran, Z., Mirmiran, P., Kabir, A., Azizi, F., & Ghasemi, A. 2017. The nitrate-independent blood pressure-lowering effect of beetroot juice: A systematic review and meta-analysis. *Advances in Nutrition*, 8(6), 830-838.
- Baiao, D. D. S., da Silva, D. V., Del Aguila, E. M., & Paschoalin, V. M. F. 2017. Nutritional, bioactive and physicochemical characteristics of different beetroot formulations. *Food additives*, 6(6).

- Bangar, S. P., Sharma, N., Sanwal, N., Lorenzo, J. M., & Sahu, J. K. 2022. Bioactive potential of beetroot (*Beta vulgaris*). *Food Research International*, 158, 111556.
- Bansal, N. 2015. Prediabetes diagnosis and treatment: A review. *World journal of diabetes*, 6(2), 296.
- Bari, M.A.M.A., Albadri H.M.B., & Hussein H.F. 2018. The protective effect of beetroot against dexamethasone induced damage in liver, kidney and hyperlipidemic effects in mice. *World. J. Pharm. Med. Res.*; 4(11): 60-68
- Candra, A., Trianto, H. F., & Ilmiawan, M.I. 2015. Gambaran Histologis Korteks Ginjal Tikus (*Rattus norvegicus*) Pasca Penghentian Panjanaan Monosodium Glutamat per Oral. *Jurnal cerebellum*. 1(3): 202-221
- Ceclu, L., & Nistor, O. V. 2020. Red beetroot: Composition and health effects—A review. *J. Nutr. Med. Diet Care*, 6(1), 1-9.
- Christian, E.O., & E. F., Chuckwumeka. 2019. Antidiabetic and Modulatory Effect of Ethanol Extract of Neem Leaf on Some Essential Biochemical Parameters of Streptozotocin-induced Diabetic Rats. *International Journal of Biochemistry Research & Review*. 28(4): 1-11.
- Clifford, T., Constantinou, C. M., Keane, K. M., West, D. J., Howatson, G., & Stevenson, E. J. 2017. The plasma bioavailability of nitrate and betanin from *Beta vulgaris rubra* in humans. *European journal of nutrition*, 56, 1245-1254.
- Daliri, E. B. M., Balnionytė, T., Stankevičiūtė, J., Lastauskienė, E., Meškys, R., & Burokas, A. 2023. High temperature lacto-fermentation improves antioxidant and antidiabetic potentials of Lithuanian red beetroot. *LWT*, 185, 115122.
- Domon, A., Katayama, K., Yamada, T., Tochigi, Y., & Suzuki, H. 2021. Characterization of Enlarged Kidneys and Their Potential for Inducing Diabetes in DEK Rats. *Biology*, 10(633), 161177.
- Duli, N. 2019. *Metodologi Penelitian Kuantitatif: Beberapa konsep dasar untuk penulisan skripsi & analisis data dengan SPSS*. Deepublish.
- Ejaz, A., Martinez-, L., Goldfine, A. B., Ribas, F., De Nigris, V., Ribó, S., & Lerin, C. (2016). Dietary betaine supplementation increases Fgf21 levels to improve glucose homeostasis and reduce hepatic lipid accumulation in mice. *Diabetes*, 65(4), 902-912.
- Elaby, S. M., & Ali, J. B. 2018. The anti-anemic effect of dried beet green in phenylhydrazine treated rats. *Archives of Pharmaceutical Sciences Ain Shams University*, 2(2), 54-69.
- El Gamal, A.A., Al Said, M.S., Raish, M., Al-Sohaibani, M., Al-Massarani, S.M., Ahmad, A., & Rafatullah, S., 2014. Beetroot (*Beta vulgaris* L.) extract ameliorates gentamicin- induced nephrotoxicity associated oxidative stress, inflammation, and apoptosis in rodent model. *Mediators Inflamm.* (983952). <https://doi.org/10.1155/2014/983952>.

- El-Kashef, D. H., El-Kenawi, A. E., Suddek, G. M., & Salem, H. A. 2015. Flavocoxid attenuates gentamicin-induced nephrotoxicity in rats. *Naunyn-Schmiedeberg's archives of pharmacology*, 38(8) : 1305-1315.
- El-Kordy, E. A. 2019. Effect of suramin on renal proximal tubular cells damage induced by cisplatin in rats (histological and immunohistochemical study). *Journal of microscopy and ultrastructure*, 7(4), 153.
- El Shaffei, I., Abdel-Latif, G. A., Farag, D. B., Schaalan, M., & Salama, R. M. 2021. Ameliorative effect of betanin on experimental cisplatin-induced liver injury; the novel impact of miRNA-34a on the SIRT1/PGC-1 α signaling pathway. *Journal of Biochemical and Molecular Toxicology*, 35(6), 1-14.
- Eroschenko, V. P. 2015. Atlas Histologi diFiore. Jakarta: EGC, 264-279
- Fahriyansyah, F., Isdadiyanto, S., Mardiaty, S. M., & Sitaswi, A. J. 2021. Gambaran Histologi Ren Tikus Putih (*Rattus norvegicus* L.) Hiperglikemia Setelah Pemberian Ekstrak Etanol Daun Mimba (*Azadirachta Indica* A. Juss). *Buletin Anatomi dan Fisiologi*, 6(2), 193-202.
- Faizah, R., Irsyad, I. R., & Aina, B. 2022. Uji efektivitas Sirih Cina sebagai agen immunomodulator secara flowcytometry dengan indikator sel Nk dan sel Makrofag. *Jurnal Esabi (Jurnal Edukasi dan Sains Biologi)*, 4(2), 9-14.
- Guyton, A.C., & Hall, J. E. 2014. *Buku Ajar Fisiologi Kedokteran* Edisi 22. Jkarta: EGC, 81-85.
- Handani, A. R., Salim, M. N., Harris, A., & Budiman, H. 2015. Pengaruh Pemberian Kacang Panjang (*Vigna Unguiculat*) terhadap Struktur Mikroskopis Ginjal Mencit (*Mus Musculus*) Yang Diinduksi Aloksan. *Jurnal Medika Veterinaria*, 9(1).
- Harijati, N., Samino, S., Indriyani, S., & Soewondo, A. 2017. *Mikroteknik dasar*. Universitas Brawijaya Press. 85-93.
- Hassan, S. K., El-Sammad, N. M., Abdel-Halim, A. H., Mousa, A. M., Khalil, W. K. B., & Anwar, N. 2018. Flavonoids-rich extract of *Beta vulgaris* subsp. *cicla* L. var. *flavescens* leaf, a promising protector against gentamicin-induced nephrotoxicity and hepatotoxicity in rats. *Plants* 2 :652-666.
- Indrawati, A. 2017. *Teknik Pembuatan Dan Evaluasi Preparat Histologi Dengan Pewarnaan Hematoksin Eosin Di Laboratorium Histologi Dan Biologi Sel Fakultas Kedokteran UGM Dan National Laboratory Animal Center (NLAC) Mahidol University* (Doctoral dissertation, Universitas Gadjah Mada).
- Indrayan, A., & Malhotra, R. K. 2017. *Medical biostatistics*. Chapman and Hall/CRC. 100-105
- Indumathi, D., Sujithra, K., Srinivasan, S., & Vinothkumar, V. 2017. Protective effect of betanin against streptozotocin-nicotinamide induced liver, kidney and pancreas damage by attenuating lipid byproducts and improving renal biomarkers in Wistar rats. *Int J Adv Res Biol Sci*, 4(10), 160-70.

- Iqbaal, K. 2017. *Kidney Physiology in Depth Detail about Structure of the Kidney including drug Targets*. New York: De Monfort university, 515-537
- Irdalisa, I., Safrida, S., Khairil, K., Abdullah, A., & Sabri, M. 2015. Profil kadar glukosa darah pada tikus setelah penyuntikan aloksan sebagai hewan model hiperglikemik. *Jurnal Edu Bio Tropika* 3(1): 1-50
- ITIS, 2023. Integrated Taxonomic Information System. [Online] Available at: <https://www.itis.gov> [Accessed 15 September 2023].
- Jasmitha, S. K., Shenoy, A., & Hegde, K. 2018. A Review on Beet Root (*Beta vulgaris*). *International Journal of Pharma and Chemical Research*, 4: 136-140
- Jin, B., Gong, Z., Yang, N., Huang, Z., Zeng, S., Chen, H., & Pan, G. 2016. Downregulation of betaine homocysteine methyltransferase (BHMT) in hepatocellular carcinoma associates with poor prognosis. *Tumor Biology*, 37, 5911-5917.
- Kotyk, T., Dey, N., Ashour, A. S., Balas-Timar, D., Chakraborty, S., Ashour, A. S., & Tavares, J. M. R. 2016. Measurement of glomerulus diameter and Bowman's space width of renal albino rats. *Computer methods and programs in biomedicine*, 126, 143-153.
- Kumar, S., & Pandey, K. A. 2015. Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*: 1(1): 1-16
- Lee, E. J., An, D., Nguyen, C. T., Patil, B. S., Kim, J., & Yoo, K. S. 2014. Betalain and betaine composition of greenhouse-or field-produced beetroot (*Beta vulgaris* L.) and inhibition of HepG2 cell proliferation. *Journal of agricultural and food chemistry*, 62(6), 1324-1331.
- Lazuardi, A. Z., Suprihatin, T., & Tana, S. 2022. Histopathology of Pre-diabetic White Rat (*Rattus norvegicus* L.) Renal After Treatment with Turmeric Powder and Organic Quail Eggs. *Borneo Journal of Resource Science and Technology*, 12(2), 119-133.
- Lee, H.J., & Hase, K. 2014. Gut Microbiota Generated Metabolites in Animal Health and Disease. *Nature Chemical Biology*, 10: 416-424
- Lowe, J. S., Anderson, P. G., & Anderson, S. I. 2018. *Stevens & Lowe's Human Histology-Inkling Enhanced E-Book: Stevens & Lowe's Human Histology-E-Book*. Elsevier Health Sciences. 100-105
- Maezawa, Y., M. Takemoto, & K. Yokote. 2015. Cell Biology of Diabetic Nephropathy: Roles of Endothelial Cell, Tubulointerstitial Cell, and Podocytes. *Journal of Diabetes Investigation*. 6:3-15
- Makiyah, S. N. N., Tasminatun, S., Arsito, P. N., Fauziah, K. N., Nugrahanti, D. R., & Putriani, A. 2021. Subchronic toxicity of piperine in piper nigrum on the histology of the kidney, liver, and lungs of mice (*Mus musculus* L.). *Bali Medical Journal*, 10(3), 1161-1167.

- Malini, D.M., Fitriani, N., Laila, A., Ratningsih, N., & Setiawati, T. 2021. Struktur morfologis dan histologis ginjal tikus model diabet setelah diberi ekstrak etanol kulit buah jengkol (*Archidendron pauciflorum*). *Jurnal Biologi Udayana*. 25(2): 208-2017
- Maurya, H., Kumar, T., & Kumar, S. 2018. Anatomical and physiological similarities of kidney in different experimental animals used for basic studies. *J Clin Exp Nephrol*. 3:(09).
- Mayang, A., Abdul, A., & Ariastuti, R. 2021. Uji Toksisitas Akut Infusa Daun Sirsak (*Annona Muricata* L.) Pada Hewan Uji Mencit. *Jurnal Farmasetis*, 10(1), 37-44.
- Mendes, A. H. D. L., Dionísio, A. P., Mouta, C. F. H., Abreu, F. A. P. D., Pinto, C. O., Garruti, D. D. S., & Araújo, I. M. 2019. Sensory acceptance and characterization of yoghurt supplemented with yacon syrup and cashew apple extract as a source of bioactive compounds. *Brazilian Journal of Food Technology*. 22(5) : 1483-1492.
- Mescher, A. L. 2018. Junqueira's Basic Histology: Text and Atlas., 1-9.
- Mirmiran, P., Houshialsadat, Z., Gaeini Z., Bahadoran, Z., & Azizi, F. 2020. Functional properties of beetroot (*Beta vulgaris*) in management of cardio-metabolic diseases. *Nutr Metab (Lond)*. 3 (1):17. doi:10.1186/s12986-019-0421-0.
- Morsy, W. A., Kadry, S. M., Hassen, M. T., & El-Motelp, B. A. 2022. Beetroot Improves the Therapeutic Efficacy of Bone Marrow-Derived Mesenchymal Stem Cells in Preventing Cisplatin Induced Nephrotoxicity in Male Rats. *International Journal of Molecular and Cellular Medicine*, 10(2), 133.
- Motawi, T. K., Ahmed, S. A., El-Boghdady, N. A., Metwally, N. S., & Nasr, N. N. 2020. Impact of betanin against paracetamol and diclofenac induced hepatorenal damage in rats. *Biomarkers*, 25(1), 86-93.
- Nakashima, K. K., & Bastos, E. L. 2019. Rationale on the high radical scavenging capacity of betalains. *Antioxidants*, 8(7), 222.
- Nani, S. W. 2017. Pengaruh Ekstrak Etanol Buah Pinang Yaki (*Areca vestiaria*) Terhadap Gambaran Makroskopis Organ Ginjal Pada Tikus Putih Jantan Galur Wistar (*Rattus norvegicus*). *PHARMACON*, 6(3).
- Nasrullah., Riza, H., Fajriaty, I., Prananda, Y., & Hasibuan, V. M. 2015. Pengaruh Pemberian Ekstrak Etanol Daun Simpupur (*Dillenia indica* Linn) terhadap Indeks Organ Jantung, Hati dan Lambung pada Tikus Putih (*Rattus norvegicus* L.) Galur Wistar. *Jurnal Mahasiswa Farmasi Fakultas Kedokteran Universitas Tanjungpura*, 1(3), 1-14.
- Ninfali, P., Antonini, E., Frati, A., & Scarpa, E. S. 2017. C-glycosyl flavonoids from *Beta vulgaris* cicla and betalains from *Beta vulgaris* rubra: antioxidant, anticancer and antiinflammatory activities—A review. *Phytotherapy Research*, 31(6), 871-884.

- Nowacki, L., Vigneron, P., Rotellini, L., Cazzola, H., Merlier, F., Prost, E., & Vayssade, M., 2015. Betanin-Enriched Red Beetroot (*Beta vulgaris* L.) Extract Induces Apoptosis and Autophagic Cell Death in MCF-7 Cells. *Phytother. Res.* 29 (12), 1964–1973. <https://doi.org/10.1002/ptr.5491>.
- Nugroho, W.S., Fuziyah. R.K., Sajuth, D., & Darusman, S.H. 2018. Profil Tekanan Darah Normal Tikus Putih (*Rattus norvegicus*) galur Wistar dan Sprague-Dawley. *Jurnal Acta veterinaria Indonesia.* 6(2): 32-37
- Ozdemir, T., & Ozcan, T. 2020. Effect of steviol glycosides as sugar substitute on the probiotic fermentation in milk gels enriched with red beetroot (*Beta vulgaris* L.) bioactive compounds. *Lwt.* 134: 109851. doi.org/10.1016/j.lwt.2020.109851.
- Phaniendra, A., Jestadi, D. B., & Periyasamy, L. 2015 Free radicals: properties, sources, targets, and their implication in various diseases. *Indian journal of clinical biochemistry*, 30, 11-26.
- Platosz, N., Sawicki, T., & Wiczowski, W. 2020. Profile of phenolic acids and flavonoids of red beet and its fermentation products. Does long-term consumption of fermented beetroot juice affect phenolics profile in human blood plasma and urine. *Polish Journal of Food and Nutrition Sciences*, 70(1).
- Poulianiti, K. P., Kaltsatou, A., Mitrou, G. I., Jamurtas, A. Z., Koutedakis, Y., Maridaki, M., & Karatzaferi, C. 2016. Systemic redox imbalance in chronic kidney disease: a systematic review. *Oxidative Medicine and Cellular Longevity*, 2016.
- Pujiatiningsih, A.S. 2014. Pemberian Ekstrak Daun putri Malu (*Mimosa pudica* Linn) Secara Oral Menurunkan Kadar Gula Darah Post Prandial pada Tikus (*Rattus norvegicus*) Jantan Galur Wistar Prediabetes. Disertasi. Universitas Udayana
- Pusdatin Kemkes RI. Infodatin: Situasi Penyakit Ginjal Kronis. Jakarta: Pusdatin Kemkes; 2017.
- Quillfeldt, J. A. 2016. Behavioral methods to study learning and memory in rats. In *Rodent model as tools in ethical biomedical research* (pp. 271-311). Cham: Springer International Publishing.
- Radi, Z. A. 2019. Kidney pathophysiology, toxicology, and drug-induced injury in drug development. *International journal of toxicology*, 38(3), 215-227.
- Raish, M., Ahmad, A., Ansari, M. A., Alkharfy, K. M., Ahad, A., Khan, A., & Hamidaddin, M. A. A. 2019. Beetroot juice alleviates isoproterenol-induced myocardial damage by reducing oxidative stress, inflammation, and apoptosis in rats. *3 Biotech*, 9, 1-11.
- Ramadhan, F. F., & Widyaningsih, V. 2014. Pengaruh Pemberian Ekstrak Etanol Bit Merah (*Beta vulgaris* L.) terhadap Struktur Histologis Ginjal Mencit (*Mus*

- musculus*) Akibat Paparan Minyak Kelapa Sawit Pemanasan Berulang. *Nexus Biomedika*, 3(3).
- Ranawana, V., Moynihan, E., Campbell, F., Duthie, G., & Raikos, V. 2018. Beetroot improves oxidative stability and functional properties of processed foods: singular and combined effects with chocolate. *Journal of Food Science and Technology*. 55: 2401-2409.
- Rashid, U., & Khan, M. R. 2017. Fagonia olivieri prevented hepatorenal injuries induced with gentamicin in rat. *Biomedicine & Pharmacotherapy*, 88, 469-479.
- Rasyid, S. A., & Nasruddin, D. A. 2021. Identifikasi Gambaran Histopatologi Ginjal Pada Mencit (*Mus musculus*) Pasca Injeksi Azoxymethane (Aom) Dan Dextran Sodium Sulfate (DSS). *Jurnal MediLab Mandala Waluya*, 5(2), 74-83.
- Raubenheimer, K., Hickey, D., Leveritt, M., Fassett, R., Ortiz de Zevallos Munoz, J., Allen, J. D., & Neubauer, O. 2017. Acute effects of nitrate-rich beetroot juice on blood pressure, hemostasis and vascular inflammation markers in healthy older adults: a randomized, placebo-controlled crossover study. *Nutrients*, 9(11), 1270.
- Reshag, A., Dhyaa, AB., Abood, Ekitifaa, & Khayon, S. 2017. Histological and Histochemical Characteristics of the Kidneys in Different Avian Species. *Australian Journal of Basic and Applied Sciences*. 11(16) : 36-44.
- Riandika, C., Saraswati, T. R., & Isdadiyanto, S. 2019. Kadar glukosa darah tikus putih (*Rattus norvegicus* L.) pada periode laktasi setelah pemberian suplemen telur puyuh organik. *Buletin Anatomi dan Fisiologi*, 4(2), 122-128.
- Sakka, L., & Muin, R. 2022. Identifikasi Kandungan Senyawa Antioksidan Ekstrak Daun Bidara (*Ziziphus mauritiana* Lamk.) Dengan Menggunakan Metode DPPH. *Journal Syifa Sciences and Clinical Research*, 4(1).
- Sakr, S., Hamed, A., & Atef, M. 2022. Betanin ameliorates fipronil-induced nephrotoxicity via activation of Nrf2-HO-1/NQO-1 pathway in albino rat model. *Toxicology Research*, 11(6), 975-986.
- Sakr, S., Hassanien, H., Bester, M. J., Arbi, S., Sobhy, A., El Negris, H., & Steenkamp, V. 2018. Beneficial effects of folic acid on the kidneys and testes of adult albino rats after exposure to methomyl. *Toxicology Research*, 7(3), 480-491.
- Saputri, Z. F. 2020. *Teknik Pembuatan dan Evaluasi Preparat Histologi dengan Pewarnaan Hematoksilin Eosin di Laboratorium Preklinis Program Studi Diploma Kesehatan Hewan Sekolah Vokasi UGM dan Laboratorium Patologi Balai Besar Veteriner Wates* (Doctoral dissertation, Universitas Gadjah Mada).

- Saraswati, T. R., Exmah, N., & Tana, S. 2022. Kidney histopathology of white rats (*Rattus norvegicus*) fed a high-fat diet, curcumin supplement, and turmeric powder (*Curcuma longa*). *Biogenesis: Jurnal Ilmiah Biologi*, 10(1).
- Sarfaraz, S. A. N. A., & Ikram, R. A. H. I. L. A. 2019. Evaluation of nephroprotective effect of *Beta vulgaris* at different doses. *Pak. J. Pharmacol*, 36(1-2), 9-13.
- Sari, N.M.I., Hudha, A.M., & Prihanta, W. 2016. Uji Kadar Betasianin Pada Kulit Bit (*Beta Vulgaris* L.) dengan Pelarut Etanol dan Pengembangannya sebagai Sumber Belajar Biologi. *J. Pend. Bio. Ind.* 2(1): 72-77.
- Sasmito, W. A., Wijayanti, A. D., Fitriana, I., & Sari, P. W. 2015. Pengujian toksisitas akut obat herbal pada mencit berdasarkan Organization for Economic Co-operation and Development (OECD). *Jurnal Sain Veteriner*, 33(2).
- Sawicki, T., Bączek, N., & Wiczowski, W. 2016. Betalain profile, content and antioxidant capacity of red beetroot dependent on the genotype and root part. *Journal of Functional Foods*, 27, 249-261.
- Shafira, N., & Ristyning, A. P. 2019. Potensi Bit Merah (*Beta vulgaris* L.) sebagai Nefroprotektor dari Kerusakan Ginjal akibat Radikal Bebas. *J Medula* 9(2):322–7.
- Shofiati, N., Mardiaty, S. M., Sitaswi, A. J., & Isdadiyanto, S. 2021. Efek Pemberian Ekstrak Etanol Daun Mimba (*Azadirachta indica* A. Juss) terhadap Struktur Histologis Pankreas Tikus Putih (*Rattus norvegicus* L.) Hiperlikemia. *Buletin Anatomi dan Fisiologi*, 6(2), 115-123.
- Sahni, P., & Shere, D. M. 2016. Physico-chemical and sensory characteristics of beet root pomace powder incorporated fibre rich cookies. *International Journal of Food and Fermentation Technology*, 6(2), 309-315.
- Sherwood, L. 2014. Fisiologi Manusia: dari Sel ke Sistem. Edisi ke-8. Jakarta: EGC. hlm.607-623.
- Siahaan, G. S., Lintong, P. M., & Loho, L. L. 2016. Gambaran histopatologik ginjal tikus wistar (*Rattus norvegicus*) yang diinduksi gentamisin dan diberikan ubi jalar ungu (*Ipomoea batatas* L. Poir). *eBiomedik*, 4(1).
- Siervo, M., Scialò, F., Shannon, O. M., Stephan, B. C., & Ashor, A. W. 2018. Does dietary nitrate say NO to cardiovascular ageing? Current evidence and implications for research. *Proceedings of the Nutrition Society*, 77(2), 112-123.
- Sistani, K. N., Arzi, A., Rezaie, A., Pashmforosh, M., & Rad, H. 2019. Gastroprotective effects of betanin against ethanol-induced gastric ulcer in rats. *Jundishapur Journal of Natural Pharmaceutical Products*, 14(3).
- Slimen, I. B., Najar, T., & Abdderabba, M. 2017. Chemical and Antioxidant Properties of Betalains. *Journal of Agricultural and Food Chemistry*, 65(4), 675-689.

- Stanaway, L., Rutherford-Markwick, K., Page, R., Wong, M., Jirangrat, W., Teh, K. H., & Ali, A. 2019. Acute supplementation with nitrate-rich beetroot juice causes a greater increase in plasma nitrite and reduction in blood pressure of older compared to younger adults. *Nutrients*, 11(7), 1683.
- Supriatin, F. E., Sulistyono, A. D., & Rohman, A. N. 2022. *Aplikasi IBM SPSS 26 untuk Penelitian Perikanan*. Universitas Brawijaya Press.
- Tana, S., Shivaluhung, M. N., & Suprihatin, T. (2022). Gambaran Histologi Ren Tikus Putih (*Rattus norvegicus* L.) yang Diinduksi Insulin. *Buletin Anatomi dan Fisiologi*, 7(2), 126-134.
- Tolistiawaty, I., Widjaja, J., Sumolang, P. P. F., & Octaviani. 2014. Gambaran Kesehatan Pada Mencit (*Mus musculus*) di Instalasi Hewan Coba. *Jurnal Vektor Penyakit*, 8(1), 27-32.
- Tumbol, M. V., Rambli, E. V., & Mamuaya, T. 2019. Pengaruh Pemberian Ekstrak Etanol Kulit Batang Pakoba (*Tricalysia minahassae*) Terhadap Gambaran Histopatologi Hepar dan Ginjal Pada Tikus Putih Jantan (*Rattus norvegicus*). *Kesmas*, 7(5).
- Utamingtyas, F. 2017. Manfaat Buah Bit (*Beta vulgaris*) terhadap Peningkatan Kadar Haemoglobin (He) Ibu Hamil. *Jurnal Ilmiah Kesehatan Ar-Rum Salatiga*, 2(1).
- Vargas, F., Romecín, P., García-Guillén, A. I., Wangesteen, R., Vargas-Tendero, P., Paredes, M. D., & García-Estañ, J. 2018. Flavonoids in kidney health and disease. *Frontiers in physiology* 9 (1): 394.
- Verdiansah, V. 2016. Pemeriksaan Fungsi Ginjal. *Cermin Dunia Kedokteran*, 43(2), 148-154.
- Walean, M., Rumondor, R., Maliangkay, P. H., & Melpin, R. 2018. Pengaruh Pemberian Ekstrak Etanol Kulit Batang Pakoba (*Syzygium* sp.) terhadap Gambaran Histopatologi Ginjal Tikus yang Diinduksi Etilen Glikol. *Journal Chen. Prog.* 1(11): 20-34
- Wanner, C., Inzucchi, S. E., Lachin, J. M., Fitchett, D., von Eynatten, M., Mattheus, M., & Zinman, B. 2016. Empagliflozin and progression of kidney disease in type 2 diabetes. *New England Journal of Medicine*, 375(4) :323-334.
- Werdhasari, A. 2014 Peran antioksidan bagi kesehatan. *J. Bio. Med. Ind.* 3(2):5968
- Wibawanto, N. R., Ananingsih, V. K., & Pratiwi, R. 2014. Produksi serbuk pewarna alami bit merah (*Beta vulgaris* L.) dengan metode oven drying. *In Prosiding Seminar Sains Nasional dan Teknologi. Vol 1(1)*
- Widjiati, M, S. P., Rimayanti & Achmad, A.B. 2015. Terapi Sel Punca Mesenkimal sumsum Tulang Tikus dalam Meregenerasi Sel Sitotrofoblas Nekrosis yang Dipapar carbon Black. *Jurnal Venteriner.* 16(2): 265-273.
- Widyasari, R., Yuspitasaki, D., Fadli, Masykuroh, A., & Tahuiddah, W. 2018. Uji Aktivitas Antipiretik Ekstrak Daun Sisik Naga (*Pyrrosia piloselloides* (L.)

- M.g. Price) terhadap Tikus Putih (*Rattus norvegicus*) Jantan Galur Wistar yang Diinduksi Pepton 5%. *Jurnal Ilmu Farmasi dan Farmasi Klinik*. 15(1): 22-28.
- Wiladipta, D., Pramono, A., & Purnomo, Y. 2021. Potensi sari biji kedelai (*Glycine max*), sari rimpang jahe (*Zingiber officinale*) dan kombinasinya terhadap kadar malondialdehida (MDA) dan diameter glomerulus ginjal pada tikus model diabetes tipe II. *Jurnal Kedokteran Komunitas (Journal of Community Medicine)*, 9(1).
- Wootton, P. C., Brandt, K., Fell, D., Warner, S., & Ryan, L. 2014. Effects of a beetroot juice with high neobetanin content on the early-phase insulin response in healthy volunteers. *Journal of Nutritional Science*, 3(9).
- Yuniarti, D. W. R. Uji Antiinflamasi Infusa Bunga Seroja (*Nelumbo nucifera Gaertn*) Pada Struktur Mikroanatomi Ginjal Mencit (*Mus musculus*) yang Mengalami Stres. *Jurnal Protobiont*, 4(1).