

DAFTAR PUSTAKA

- Anggi, V., Safitra, D., Tandi, J., & Pakaya, D. (2022). Uji Efek Ekstrak Etanol Daun Jeruk Nipis Terhadap Gambaran Histopatologi Ginjal Tikus Model Diabetes. *Farmakologika Jurnal Farmasi*, 1.
- Alsayari, A., & Wahab, S. (2021). Genus Ziziphus for the treatment of chronic inflammatory diseases. In *Saudi Journal of Biological Sciences* (Vol. 28, Issue 12, pp. 6897–6914). Elsevier B.V. <https://doi.org/10.1016/j.sjbs.2021.07.076>
- Apovian, C. M. (2016). Obesity: definition, comorbidities, causes, and burden. *The American Journal of Managed Care*, 22(7 Suppl), s176-85.
- Bansal, A. B., & Al Khalili, Y. (2023). *Orlistat*.
- Bayliss, G., Weinrauch, L. A., & D'Elia, J. A. (2012). Pathophysiology of obesity related renal dysfunction contributes to diabetic nephropathy. In *Current Diabetes Reports* (Vol. 12, Issue 4, pp. 440–446). <https://doi.org/10.1007/s11892-012-0288-1>
- Bencheikh, N. et al. (2021) ‘The nephroprotective effect of zizyphus lotus l. (desf.) fruits in a gentamicin-induced acute kidney injury model in rats: A biochemical and histopathological investigation’, *Molecules*, 26(16). Available at: <https://doi.org/10.3390/molecules26164806>.
- Biologi, D. (2020) Penanganan Hewan Coba. [Diakses 25 Agustus 2023]
- Charan, J., & Kantharia, N. (2013). How to calculate sample size in animal studies? In *Journal of Pharmacology and Pharmacotherapeutics* (Vol. 4, Issue 4, pp. 303–306). <https://doi.org/10.4103/0976-500X.119726>
- Cardiff, R. D., Miller, C. H., & Munn, R. J. (2014). Manual hematoxylin and eosin staining of mouse tissue sections. *Cold Spring Harbor Protocols*, 2014(6), 655–658. <https://doi.org/10.1101/pdb.prot073411>
- Dahlan and Napitupulu (2019) ‘Statistik untuk Kedokteran dan Kesehatan’.
- Dennis, J. M., & Witting, P. K. (2017). Protective role for antioxidants in acute kidney disease. In *Nutrients* (Vol. 9, Issue 7). MDPI AG. <https://doi.org/10.3390/nu9070718>
- Gai, Z., Wang, T., Visentin, M., Kullak-Ublick, G. A., Fu, X., & Wang, Z. (2019). Lipid accumulation and chronic kidney disease. In *Nutrients* (Vol. 11, Issue 4). MDPI AG. <https://doi.org/10.3390/nu11040722>
- Gjermen, E., Kirstein, A. S., Kolbig, F., Kirchhof, M., Bundalian, L., Katzm, J. L., Laufs, U., Blüher, M., Garten, A., & Le Duc, D. (2021). Obesity—an update on the

- basic pathophysiology and review of recent therapeutic advances. In *Biomolecules* (Vol. 11, Issue 10). MDPI. <https://doi.org/10.3390/biom11101426>
- Glastras, S. J., Chen, H., Teh, R., McGrath, R. T., Chen, J., Pollock, C. A., Wong, M. G., & Saad, S. (2016). Mouse models of diabetes, obesity and related kidney disease. *PLoS ONE*, 11(8). <https://doi.org/10.1371/journal.pone.0162131>
- Hall, K. D., Sacks, G., Chandramohan, D., Chow, C. C., Wang, Y. C., Gortmaker, S. L., & Swinburn, B. A. (2011). Quantification of the effect of energy imbalance on bodyweight. *Lancet (London, England)*, 378(9793), 826–837. [https://doi.org/10.1016/S0140-6736\(11\)60812-X](https://doi.org/10.1016/S0140-6736(11)60812-X)
- Hidayat, M., Prahastuti, S., Fauziah, N., Maesaroh, M., Balqis, B., & Widowati, W. (2016). Modulation of adipogenesis-related gene expression by ethanol extracts of detam 1 soybean and jati belanda leaf in 3T3-L1 cells. *Bangladesh Journal of Pharmacology*, 11(3), 697–702. <https://doi.org/10.3329/bjp.v11i3.26471>
- Hill, N.R. . (2016) ‘Global Prevalence of Chronic Kidney Disease – A Systematic Review and Meta-Analysis’, *PLOS ONE*, 11(7), p. e0158765. Available at: <https://doi.org/10.1371/journal.pone.0158765>.
- Hoshino, J. *et al.* (2018) ‘A new pathological scoring system by the Japanese classification to predict renal outcome in diabetic nephropathy’, *PLoS ONE*, 13(2). Available at: <https://doi.org/10.1371/journal.pone.0190923>.
- Hruby, A., & Hu, F. B. (2015). The Epidemiology of Obesity: A Big Picture. In *PharmacoEconomics* (Vol. 33, Issue 7, pp. 673–689). Springer International Publishing. <https://doi.org/10.1007/s40273-014-0243-x>
- Kadouh, H. C., & Acosta, A. (2017). Current paradigms in the etiology of obesity. In *Techniques in Gastrointestinal Endoscopy* (Vol. 19, Issue 1, pp. 2–11). W.B. Saunders. <https://doi.org/10.1016/j.tgie.2016.12.001>
- Kang, K. Bin *et al.* (2015) ‘Jubanines F-J, cyclopeptide alkaloids from the roots of *Ziziphus jujuba*’, *Phytochemistry*, 119, pp. 90–95. Available at: <https://doi.org/10.1016/j.phytochem.2015.09.001>.
- Kovesdy, C. P. (2022). Epidemiology of chronic kidney disease: an update 2022. In *Kidney International Supplements* (Vol. 12, Issue 1, pp. 7–11). Elsevier B.V. <https://doi.org/10.1016/j.kisu.2021.11.003>
- Kementerian Kesehatan RI (2018) ‘Laporan Riskesdas 2018 Nasional’, Riskesdas [Preprint].
- Kesehatan, J.I. et al. (2021) ‘Pharmacological Activities of Ziziphus Mauritiana’, 11(2), p. 2021.

- Layal, K. (2016) Peran Nrf2 Dalam Patogenesis Stres Oksidatif dan Inflamasi pada Penyakit Ginjal Kronik.
- Li, J. *et al.* (2020) ‘High fat diet induced obesity model using four strains of mice: kunming, c57bl/6, balb/c and icr’, *Experimental Animals*, 69(3), pp. 326–335. Available at: <https://doi.org/10.1538/expanim.19-0148>.
- Liu, E., & Fan, J. (2018). Fundamentals of Laboratory Animal Science.
- Martini, F. H., Nath, J. L., & Bartholomew, E. F. (2012). Fundamentals of Anatomy and Physiology ninth edition.
- Mescher, A. L., & Junqueira, L. C. U. (2016). *Junqueira’s basic histology: text and atlas*.
- Mikolasevic, I., Žutelija, M., Mavrinac, V., & Orlic, L. (2017). Dyslipidemia in patients with chronic kidney disease: etiology and management. *International Journal of Nephrology and Renovascular Disease*, Volume 10, 35–45. <https://doi.org/10.2147/IJNRD.S101808>
- Nand, N., Jain, D., Raghunandan, S., Giri, K., & Jain, P. (2018). Celiac disease with subnephrotic range proteinuria: an enigma unresolved. *Archive of Clinical Cases*, 05(04), 172–176. <https://doi.org/10.22551/2018.21.0504.10146>
- National Kidney Foundation and National Kidney Foundation. Kidney Disease Outcomes Quality Initiative (2022) *Clinical practice guidelines for chronic kidney disease : evaluation, classification and stratification*.
- Qi, C., Mao, X., Zhang, Z., & Wu, H. (2017). Classification and differential diagnosis of diabetic nephropathy. In *Journal of Diabetes Research* (Vol. 2017). Hindawi Limited. <https://doi.org/10.1155/2017/8637138>
- Qi, X. (2018). Review of the Clinical Effect of Orlistat. *IOP Conference Series: Materials Science and Engineering*, 301(1). <https://doi.org/10.1088/1757-899X/301/1/012063>
- Rosyida, T., Budiani, D. R., Hakim, F. A., & Pesik, R. N. (2022). Efek Pemberian Ekstrak Daun Moringa oleifera terhadap Kadar Kreatinin dan Gambaran Histopatologi Ginjal Tikus Putih Hipercolesterolemia. *Malahayati Nursing Journal*, 4(10), 2620–2629. <https://doi.org/10.33024/mnj.v4i10.7721>
- Safrudin, N. *et al.* (2018) *Analisis Senyawa Metabolit Sekunder dan Uji Aktivitas Antioksidan dengan Metode DPPH (1,1-diphenyl-2-picrylhydrazyl)dari Ekstrak Daun Bidara (Ziziphus spina-christi L.) (Analysis of Secondary Metabolite Compounds and Antioxidant Activity Test of Bidara Leaves (Ziziphus spina-christi L.) Extract)*.

- Saunders, K. H., Umashanker, D., Igel, L. I., Kumar, R. B., & Aronne, L. J. (2018). Obesity Pharmacotherapy. In *Medical Clinics of North America* (Vol. 102, Issue 1, pp. 135–148). W.B. Saunders. <https://doi.org/10.1016/j.mcna.2017.08.010>
- Sakka, L. and 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), pp. 92–100. Available at: <https://doi.org/10.37311/jsscr.v4i1.13518>
- Senaen, J. C., Prasetyaningsih, A., & Madyaningrana, K. (2022). Potensi Biofungisida Ekstrak Akar, Batang dan Daun Mentimun (*Cucumis sativus* L.) terhadap Fusarium oxysporum. *SCISCITATIO*, 3(2), 100–108. <https://doi.org/10.21460/sciscitatio.2022.32.96>
- Senduk, T. W., Montolalu, L. A. D. Y., & Dotulong, V. (2022). *The rendement of boiled water extract of mature leaves of mangrove Sonneratia alba*. 11. <https://ejournal.unsrat.ac.id/index.php/JPKT/index>
- Sengupta, P. (2013). The Laboratory Rat: Relating Its Age with Human’s. In *International Journal of Preventive Medicine* (Vol. 4, Issue 6). www.ijpm.ir
- Sharp, P. and Villano, J. (2012) *The Laboratory RAT A Volume in e Laboratory Animal Pocket Reference Series Second Edition*.
- Sherwood, L. (2016) *Introduction to Human Physiology*.
- Snell, R.S. (2019) *Clinical Anatomy by Regions tenth Edition*.
- Thadeus, M. S. (2019). *The Effect of Red Dragon Fruit Extract (*Hylocereus Polyrhizus*) on Membrane Lipid Peroxidation and Liver Tissue Damage Triggered by Hyperlipidemia in White Rats (*Rattus Norvegicus*)*.
- Thammitiyagodage, M. G., de Silva, N. R., Rathnayake, C., Karunakaran, R., WGSS, K., Gunatillka, M. M., Ekanayaka, N., Galhena, B. P., & Thabrew, M. I. (2020). Biochemical and histopathological changes in Wistar rats after consumption of boiled and un-boiled water from high and low disease prevalent areas for chronic kidney disease of unknown etiology (CKDu) in north Central Province (NCP) and its comparison with low disease prevalent Colombo, Sri Lanka. *BMC Nephrology*, 21(1), 38. <https://doi.org/10.1186/s12882-020-1693-3>
- Tortora, G.J. and College, V. (2017) *Principles of Anatomy & Physiology 15th Edition Bryan Derrickson*.
- Uzogara, S. G., & Uzogara, S. G. (2017). Obesity Epidemic, Medical and Quality of Life Consequences: A Review. *International Journal of Public Health Research*, 5(1), 1–12. <http://www.openscienceonline.com/journal/ijphr>

- Wahyudi, W. *et al.* (2022) *Studi Literatur: Daun Bidara (Ziziphus Mauritiana) Sebagai Herbal Indonesia Dengan Berbagai Kandungan dan Efektivitas Farmakologi* Literature Study: Bidara Leaves (*Ziziphus mauritiana*) As Indonesian Herbs with Various Ingredients and Pharmacological Effectiveness.
- Widiyatno, Y. *et al.* (2018) *Dampak Pemberian Minyak Goreng Mengandung Residu Plastik Isopropyl terhadap Blood Urea Nitrogen-Creatinine Tikus Putih Galur Wistar.*
- Wilayah, D.I. *et al.* (2020) *Identifikasi Morfologi Daun Bidara (Ziziphus mauritiana).*
- Wilson, P. C., Kashgarian, M., & Moeckel, G. (2018). Interstitial inflammation and interstitial fibrosis and tubular atrophy predict renal survival in lupus nephritis. *Clinical Kidney Journal*, 11(2), 207–218. <https://doi.org/10.1093/ckj/sfx093>
- Yahaya, T. *et al.* (2019) ‘Toxicological evaluation of the leaves of Guiera senegalensis (J.F. Gme), Cassia occidentalis (Linn), and Ziziphus mauritiana (Lam)’, *Beni-Suef University Journal of Basic and Applied Sciences*, 8(1). Available at: <https://doi.org/10.1186/s43088-019-0015-y>.
- Yahaya, T.O. *et al.* (2022) ‘Hematotoxicity and nephrotoxicity of long-term administration of Guiera senegalensis (J.F. Gme), Cassia occidentalis (Linn), and Ziziphus mauritiana (Lam) leaves obtained in Birnin Kebbi, Nigeria’, *Journal of HerbMed Pharmacology*, 11(3), pp. 367–374. Available at: <https://doi.org/10.34172/jhp.2022.42>.
- Yahia, Y., Benabderrahim, M. A., Tlili, N., Bagues, M., & Nagaz, K. (2020). Bioactive compounds, antioxidant and antimicrobial activities of extracts from different plant parts of two *Ziziphus* Mill. species. *PLoS ONE*, 15(5). <https://doi.org/10.1371/journal.pone.0232599>