

## DAFTAR PUSTAKA

- Adinata, M. O., Sudira, I. W., & Berata, I. K. 2012. Efek Ekstrak Daun Ashitaba (*Angelica keiskei*) Terhadap Gambaran Histopatologi Ginjal Mencit (*Mus musculus*) Jantan. *Buletin Veteriner Udayana*, 4(2), 55–62.
- Adnyana, I. K., Artini, N. P., & Yuliani, N. S. 2017. Hewan laboratorium dan aplikasinya dalam penelitian farmasi. *Jurnal Farmasi Udayana*, 6(1), 12–19.
- Al-Rashed, F., Thomas, S. A., Al-Rasheed, N. M., Al-Amin, M., Al-Daghri, N. M., & Chishti, M. A. 2019. Oxidized LDL causes dysfunction of renal cells through activation of inflammatory and fibrotic signaling pathways. *Scientific Reports*, 9(1), 1–10.
- Ananthakrishnan, S., & Kaysen, G. A. 2016. Treatment of Hyperlipidemia Changes With Level of Kidney Function-Rationale. *Advances in Chronic Kidney Disease*, 23(4), 247–254. <https://doi.org/https://doi.org/10.1053/j.ackd.2015.12.004>
- Arifah, D., Wibowo, M. A., & Fadillah, S. 2020. Studi morfologi dan habitat *Medinilla speciosa* di Pegunungan Muria. *Prosiding SINTA UIN Walisongo*.
- Ariputri, F. A., Witjahyo, R. B. 2017. Pengaruh Pemberian Ekstrak Meniran (*Phyllanthus niruri* L.) Dosis Bertingkat Terhadap Gambaran Mikroskopis Ginjal: Studi pada Mencit Balb/C yang Diinduksi Metanil Yellow. *Jurnal Kedokteran Diponegoro (Diponegoro Medical Journal)*, 6(2), 505-513. <https://doi.org/10.14710/dmj.v6i2.18567>
- Arsana, P. M., Rosandi, R., Manaf, A., Budhiarta, A., & Permana, H. 2019. Pedoman Pengelolaan Dislipidemi di Indonesia 2019. *Pb. Perkeni*, 9.
- Artanti, N., Dewi, R. P., & Kurniasari, Y. M. 2025. Potensi sitotoksik ekstrak parijoto terhadap sel kanker usus WiDr. *Indonesian Journal of Biotechnology*, 30(1), 12–19.
- Aryani, A., Fitria, R., & Wijayanti, S. 2023. Kandungan flavonoid buah parijoto dan efek farmakologinya: review. *Jurnal Sains Farmasi Klinis*, 10(2), 75–83.
- Baigent, C., Blackwell, L., Emberson, J., Holland, L. E., Reith, C., Bhala, N., Peto, R., Barnes, E. H., Keech, A., Simes, J., & Collins, R. 2017. Ezetimibe therapy and cardiovascular outcomes: meta-analysis. *The Lancet*, 390(10099), 1961–1971.
- Bancroft, J. D., & Gamble, M. 2019. *Theory and practice of histological techniques* (8th ed.). Elsevier.

Bikbov, B., Purcell, C. A., Levey, A. S., Smith, M., Abdoli, A., Abebe, M., Adebayo, O. M., Afarideh, M., & Agarwal, S. K. 2020. Global, regional, and national burden of chronic kidney disease, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 395(10225), 709–733. [https://doi.org/10.1016/S0140-6736\(20\)30045-3](https://doi.org/10.1016/S0140-6736(20)30045-3)

Boston University IACUC Office. 2025. *Policy on rodent acclimation*.

Carlson, L. A., Samuelsson, O., & Jungner, I. 2019. Niacin in lipid lowering therapy: past, present and future. *International Journal of Cardiology*, 296, 152–160.

Chang, Horng-Jinh, Lin, K.-R., Chang, J.-L., & Lin, M.-T. 2020. Risk Factors for Chronic Kidney Disease in Older Adults with Hyperlipidemia and/or Cardiovascular Diseases in Taipei City, Taiwan: A Community-Based Cross-Sectional Analysis. *International Journal of Environmental Research and Public Health*, 17(23), 8763. <https://doi.org/https://doi.org/10.3390/ijerph17238763>

Chawla, L. S., Eggers, P. W., Star, R. A., & Kimmel, P. L. 2014. Acute kidney injury and chronic kidney disease as interconnected syndromes. *The New England Journal of Medicine*, 371(1), 58–66. <https://doi.org/https://doi.org/10.1056/NEJMra1214243>

Chevalier, R. L., Forbes, M. S., & Thornhill, B. A. 2016. The proximal tubule is the primary target of injury and progression of kidney disease: role of the glomerulotubular junction. *American Journal of Physiology-Renal Physiology*, 311(1), F145–F161. <https://doi.org/10.1152/ajprenal.00164.2016>

Dahlan, M. S. 2014. *Statistik untuk kedokteran dan kesehatan* (6th ed.). Epidemiologi Indonesia.

DokterSehat. 2023. *Manfaat buah parijoto bagi kesehatan*.

Dorland, W. A. N. 2012. *Kamus Saku Kedokteran Dorland* (28th ed.). Buku Kedokteran EGC.

Elfrida. 2015. *Uji Efek Antihiperlipidemia Ekstrak Etanol 70% Buah Parijoto (Medinilla speciosa Blume) Terhadap Jaringan Hati Tikus Putih Jantan* [Skripsi]. UIN Syarif Hidayatullah Jakarta.

Eroschenko, V. P. 2015. *Atlas Histologi di Fiore dengan Korelasi Fungsional*. EGC.

- Feng, Y., Zhou, J., Liu, L., Zhang, W., Zhang, Z., & Yang, L. 2022. Hyperlipidemia-induced kidney injury. *Frontiers in Pharmacology*, 13, 1012337.
- GBD 2015 Disease and Injury Incidence and Prevalence Collaborators. 2016. Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet*, 388(10053), 1545–1602. [https://doi.org/https://doi.org/10.1016/S0140-6736\(16\)31678-6](https://doi.org/https://doi.org/10.1016/S0140-6736(16)31678-6)
- Global Burden of Disease Collaborative Network. 2020. *Global Burden of Disease Study 2019 (GBD 2019)*.
- Goldstein, J. L., & Brown, M. S. 2018. A century of cholesterol and coronaries: from plaques to genes to statins. *Cell*, 173(6), 1157–1171.
- Grundy, S. M., Stone, N. J., Bailey, A. L., Beam, C., Birtcher, K. K., Blumenthal, R. S., Braun, L. T., de Ferranti, S., Faiella, A., Hlatky, M. A., Jones, D. W., Lloyd-Jones, D. M., Lopez-Pajares, N., Ndumele, C. E., Orringer, C. E., Peralta, C. A., Smith, S. C. Jr., Sperling, L. S., Virani, S. S., & Yeboah, J. 2018. 2018 AHA/ACC Guidelines on the Management of Blood Cholesterol. *Journal of the American College of Cardiology*, 73(24), 285–350.
- Hall, J. E., & Guyton, A. 2020. *Textbook of medical physiology e-Book*.
- Hamidah, N., Ramadhani, T. A., & Ismail, L. 2020. Potensi buah parijoto sebagai antioksidan alami. *Jurnal Bahan Alam Indonesia*, 9(1), 45–50.
- Hamidah, S., Purwanto, & Sutanto. 2020. *Pengembangan Tanaman Parijoto untuk Mendukung Ekowisata Dusun Turgo Desa Purwobinangun Kecamatan Pakem Kabupaten Sleman* (Vol. 1).
- Haryanto, A., Sari, D. M., & Lestari, E. P. 2019. Potensi saponin dalam tanaman obat terhadap metabolisme lipid. *Pharmacognosy Reviews*, 13(26), 65–72.
- Hedrich, H. 2012. The Laboratory Mouse. *The Laboratory Mouse*. <https://doi.org/doi: 10.1016/C2009-0-60982-X>
- Huang, J. 2017. Renal lipid metabolism and lipotoxicity in the pathogenesis of diabetic nephropathy. *Journal of Diabetes Research*.
- Huda, N., Prasetya, R., & Zakiyah, R. 2018. Penggunaan galur BALB/c pada penelitian farmakologi dan imunologi. *Jurnal Ilmu Kedokteran*, 9(2), 45–42.
- Ishimoto, T., & Kuratsune, M. 2018. Lipid-induced tubulointerstitial injury. *Nephrology Dialysis Transplantation*, 33(6), 1051–1057.

- Kanda, H., Saito, Y., Yoshida, M., Naito, Y., Kawakami, T., & Watanebe, Y. 2021. Oxidized LDL and tubular injury. *American Journal of Physiology-Renal Physiology*, 320(4), F568–F579.
- Karlina, S. P. 2018. Pengaruh ekstrak buah naga merah (*Hylocereus polyrhizus*) terhadap gambaran histopatologi lesi aterosklerosis aorta abdominalis tikus putih galur Wistar (*Rattus norvegicus*) yang diinduksi pakan tinggi lemak [Skripsi]. UPN “Veteran” Jakarta.
- KDIGO. 2021. KDIGO 2021 Clinical Practice Guideline for the Management of Blood Pressure in Chronic Kidney Disease. *Kidney International*, 99(3S), S1–S87.
- Keir, L. S., Saleem, M. A., & Anderson, G. 2020. Lipid nephrotoxicity. *Kidney International*, 98(3), 472–481.
- Kementerian Kesehatan Republik Indonesia. 2018. *Riskesdas 2018*.
- Kementerian Riset dan Teknologi Republik Indonesia 2015. *Profil tanaman obat dan hias: Medinilla speciosa*. Jakarta: Kementerian Riset dan Teknologi RI.
- Kim, H. J., Park, S. H., Lee, S. Y., Choi, Y. J., & Jeong, K. H. 2017. Hyperlipidemia-induced renal injury and the protective effect of statins in CKD. *Kidney Research and Clinical Practice*, 36(3), 162–169.
- Koga, F., Takaori, K., & Yanagita, M. 2020. rosstalk between oxidative stress and intrarenal renin-angiotensin system: Implications for the progression of kidney disease. *International Journal of Molecular Sciences*, 21(16), 5763.
- Kristanto, V. H. 2018. *Metodologi Penelitian Pedoman Penulisan Karya Tulis Ilmiah (KTI)*. Deepublish.
- Kurniawati, A. 2015. *Uji Efek Antihiperlipidemia Ekstrak Etanol Buah Parijoto (Medinilla speciosa Blume) Terhadap Kolesterol Total, Trigliserida, dan VLDL Pada Tikus Putih Jantan* [Skripsi]. UIN Syarif Hidayatullah Jakarta.
- Laboratorium Biologi UMMI. 2024. *Identifikasi Tumbuhan: Medinilla speciosa*. Universitas Muhammadiyah Magelang.
- Lass, A., Zimmermann, R., & Zechner, R. 2022. Lipolysis—A highly regulated multi-enzyme complex mediates the catabolism of lipids. *Frontiers in Physiology*, 13, 826314. <https://doi.org/10.3389/fphys.2022.826314>
- Legawati, H. E., Kunarto, B., & Sani, E. Y. 2019. Fraksinasi ekstrak buah parijoto (*Medinilla speciosa* B.) dan stabilitas antosianinnya pada berbagai lama

pemanasan. *Jurnal Mahasiswa Fakultas Teknologi Pertanian, Universitas Semarang*.

- Lestari, W. D., Mahendra, T. R., & Safitri, D. N. 2021. Karakteristik biologis mencit BALB/c dalam uji toksitas dan efek terapi zat alami. *Jurnal Veteriner Dan Biomedis*, 13(1), 23–29.
- Levey, A. S., Eckardt, K.-U., Dorman, N. M., Christiansen, S. L., Hoorn, E. J., Ingelfinger, J. R., Levin, A., & Jadoul, M. 2020. Nomenclature for kidney function and disease: report of a Kidney Disease: Improving Global Outcomes (KDIGO) Consensus Conference. *Kidney International*, 97(6), 1117–1129. <https://doi.org/10.1016/j.kint.2020.02.010>
- Li, C. 2018. Hyperlipidemia aggravates kidney inflammation and fibrosis via NF- $\kappa$ B signaling pathway in mice. *Lipids in Health and Disease*, 17(1), 1–9.
- Li, X. 2020. Simvastatin attenuates kidney injury in sepsis by inhibiting NF- $\kappa$ B pathway activation and inflammation. *International Immunopharmacology*, 83, 106381.
- Liu, Y., Wang, Y., Xu, X., Su, Y., Fan, Y., & Liu, Y. 2021. Oxidized LDL-induced kidney injury via NLRP3 inflammasome activation. *Frontiers in Physiology*, 12, 645494.
- Luhurningtyas, E., Nurmalia, L., & Widyaningrum, H. R. 2020. Efektivitas nanopartikel ekstrak parijoto dalam menurunkan kolesterol tikus. *Jurnal Farmasi Sains Dan Komunitas*, 17(2), 102–107.
- Luna, L. G., Belair, J. A., Carter, T. R., & Donald, L. E. 2017. Manual of histologic staining methods of the Armed Forces Institute of Pathology (Revised Edition). *American Registry of Pathology*.
- Marshall, W. J., Lapsley, M., Day, A. P., & Ayling, R. M. 2014. *Clinical biochemistry metabolic and clinical aspects*. Elsevier.
- Maulidah, S. N. 2015. *Studi Penggunaan Albumin Pada Pasien Penyakit Ginjal Kronik (Pkg)*.
- Megawati, M., Sami, F. J., & Syatriani, S. 2017. Sintesis Natrium Karboksimetil Selulosa (Na.CMC) dari Selulosa Hasil Isolasi dari Batang Alang-Alang (*Imperata cylindrica L.*). *Journal of Pharmaceutical and Medicinal Sciences*, 2(1), 13–16.
- Meirindasari, N., Murwani, H. R., & Tjahjono, K. 2013. Pengaruh pemberian jus biji pepaya terhadap kadar kolesterol total tikus dislipidemia. *Jurnal Farmasi Indonesia*.

- Mescher, A. L. 2013. *Junqueira's Basic Histology* (13th ed). McGraw-Hill.
- Nahas, M. 2003. *The Patient with Failing Renal Failure*. Oxford University Press.
- Naish, Jeannette, & Court, D. S. 2015. *Medical sciences second edition*. Saunders Elsevier.
- Nakhoul, F., Nasrallah, M. P., Reilly, R. F., & D'Agati, V. D. 2020. Kidney histopathology: Classification of tubular damage. *Renal Failure*, 42(1), 1056–1063.
- National Cholesterol Education Program (NCEP) ATP IV. 2017. *Third report of the expert panel on detection, evaluation, and treatment of high blood cholesterol in adults (Adult Treatment Panel IV)*. NIH Publication.
- Navar, L. G., Kobori, H., & Prieto-Carrasquero, M. C. 2016. Intrarenal angiotensin II and the regulation of normal and hypertensive renal function. *Current Opinion in Nephrology and Hypertension*, 25(1), 40–46.
- Niswah, L. 2014. *Uji aktivitas antibakteri dari ekstrak buah parijoto (Medinilla speciosa Blume) menggunakan metode difusi cakram* [Skripsi]. UIN Syarif Hidayatullah Jakarta.
- Nugraheni, R., Aprilya, S. R., & Wijayanti, T. 2017. Faktor-faktor yang mempengaruhi ekstraksi senyawa fitokimia dari bahan alami. *Jurnal Kimia*, 8(1), 1–6.
- Nurhalimah, S., Rahayu, I., & Astuti, D. 2021. Karakterisasi morfologi dan habitat tanaman parijoto (Medinilla speciosa Blume). *Jurnal Biologi Tropis*, 21(1), 44–51.
- O'Callaghan, C. 2009. *At a Glance : System Ginjal* (Yasmin, Ed.; 2nd ed.). Erlangga.
- Onwe, P., Folawiyo, M., Ogah, A., Umahi, G., Okorocha, A., & Afoke, A. 2015. Hyperlipidemia: Etiology and Possible Control. *IOSR Journal of Dental and Medical Sciences*, 14(10), 2279–2861. <https://doi.org/10.9790/0853-1410693100>
- Pertiwi, D., Wulandari, F., & Nugroho, A. 2019. Kandungan antioksidan pada buah parijoto (Medinilla speciosa). *Jurnal Farmasi Sains Dan Terapan*, 6(2), 89–96.
- Prasetya, R., & Winarsih, A. 2020. Anatomi dan fisiologi sistem ekskresi. *Jurnal Sains Kesehatan*, 12(1), 20–27.

- Prihatini, G. S. 2016. *Pengantar Biostatistik*. UMMPress.
- Putri, H. A., & Sari, D. P. 2020. Pengaruh lama waktu dan suhu ekstraksi terhadap rendemen ekstrak tanaman. *Jurnal Teknologi Kimia*, 19(1), 78–85.
- Rahbar, S., Moosaie, F., Soleimani, A., & Bagheri, M. 2021. Role of oxidative stress and inflammation in hyperlipidemia-induced renal damage. *Current Molecular Pharmacology*, 14(2), 145–153.
- Ramadhani, R. A. 2020. Effect of phenolic compounds on renal oxidative stress and lipid metabolism in hyperlipidemic rats. *Biomedical Research and Therapy*, 7(5), 3751–3758.
- Rodwell, V. W., Bender, D. A., Botham, K. M., Kennelly, P. J., & Weil, P. A. 2015. *Harper's Illustrated Biochemistry* (30th ed.). McGraw-Hill Education.
- Rosenson, R. S. 2020. *Bile acid sequestrants in the treatment of dyslipidemia*. UpToDate.
- Sa'adah, N., Pratiwi, F. D., & Kurniawati, R. D. 2020. Aktivitas antioksidan dan imunomodulator ekstrak parijoto. *Jurnal Biologi Tropis*, 20(2), 55–60.
- Safitri, I. A., Hidayah, S., & Fitria, R. 2021. Pengaruh jenis pelarut terhadap ekstrak tumbuhan obat. *Jurnal Sains Dan Terapan*, 11(3), 34–40.
- Saputri, F., & Mulyani, E. 2020. Optimasi ekstraksi senyawa flavonoid dari tanaman dengan metode maserasi. *Jurnal Ilmu Kefarmasian*, 10(2), 45–51.
- Sari, D. R. 2019. Aktivitas antiinflamasi ekstrak etanol buah parijoto terhadap ekspresi IL-6 pada mencit BALB/c. *Jurnal Ilmu Kefarmasian Indonesia*, 17(1), 22–29.
- Setyaningrum, R. 2020. Potensi Medinilla speciosa sebagai antioksidan alami dalam modulasi inflamasi. *Jurnal Biologi Tropis*, 20(3), 345–351.
- Setyowati, A. D., Rahmawati, N. A., & Pradita, D. D. 2022. Aktivitas hipolipidemik ekstrak etanol buah parijoto (*Medinilla speciosa*) pada tikus hiperlipidemia. *Jurnal Fitofarmaka Indonesia*, 9(1), 25–32.
- Sherwood, L. 2012. *Fisiologi Manusia (Dari Sel ke Sistem)* (6th ed.). Buku Kedokteran EGC.
- Silva, D. G., Carvalho, C. G., Mendes, L. A., & Torres, M. F. 2018. Quantitative analysis of kidney histology in experimental models. *Jouranl of Applied Histotechnology*, 35(4), 205–212.

- Smith, A. L., & Jones, R. H. 2018. Techniques for handling laboratory mice safely and humanely. *Lab Animal*, 47(5), 151–158.
- Staels, B., & Fruchart, J. C. 2021. Therapeutic roles of PPAR activators in dyslipidemia. *Current Atherosclerosis Reports*, 23(9), 35.
- Stillwell, W. 2016. *An Introduction to Biological Membranes: Composition, Structure and Function: Second Edition*. <https://doi.org/doi:10.1016/C2015-0-06226-8>
- Sukandar, E. Y., Yuliani, N. S., & Sari, A. P. 2017. *Farmakologi dan toksikologi ginjal*. ITB.
- Suryawati, D., Kurniawati, N., & Widayastuti, A. 2020. Pengaruh jenis kelamin terhadap hasil penelitian biomedik pada mencit. *Jurnal Biologi Tropis*, 20(2), 33–40.
- Tabas, I., García-Cerdeña, G., & Owens, G. K. 2022. Recent insights into the cellular biology of atherosclerosis. *Journal of Clinical Investigation*, 132(1), e148020.
- Thadeus, M. S. 2015. *Dampak Konsumsi Minyak Jelantah Terhadap Kerusakan Oksidatif DNA (Kajian Aspek: Biologi Molekuler dan Imunologi)*. Universitas Gadjah Mada.
- Toth, P. P. 2021. High cholesterol: Definitions and clinical significance. *Current Opinion in Lipidology*, 32(1), 3–9.
- University of Kentucky Division of Laboratory Animal Resources. 2024. *Guidelines for acclimation for newly received laboratory animals*.
- University of Oxford Animal Welfare Unit. 2021. *Handling and restraint of mice*.
- University of Rochester Medical Center. 2017. Standard H&E staining protocol. In *URMC Histology Manual*.
- Wachidah, L. N. 2013. *Uji aktivitas antioksidan serta penentuan kandungan fenola dan flavonoid total dari buah parijoto (Medinilla speciosa Blume [Skripsi])*. UIN Syarif Hidayatullah Jakarta.
- Wahyuni, N. L., Suryani, T. N., & Hidayati, E. 2022. Aktivitas antibakteri ekstrak buah parijoto terhadap E. coli dan S. aureus. *Media Analis Kesehatan*, 13(1), 31–37.

- Wang, Y. 2018. Lipid accumulation and oxidative stress in kidney: role of mitochondrial dysfunction and NADPH oxidase. *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1864(1), 865–876.
- Winanta, D. P., Sari, D. N., & Wicaksono, R. A. 2025. Immunomodulatory effect of *Medinilla speciosa* fruit fraction. *International Journal of Immunopharmacology*, 6(1), 21–28.
- Wistar, G. 2019. Uji Efek Analgetik Ekstrak Etanol Rimpang Jahe Putih (*Zingiber officinale Rosc . var . Amarum* ) pada Tikus Putih Jantan. *Jurnal Pharmacon*, 8(11), 928–935.
- Wulan, P. R., Prasetyo, E. D., & Handayani, D. 2018. Metode ekstraksi senyawa aktif dari tanaman obat. *Jurnal Farmasi Indonesia*, 6(1), 12–18.
- Xu, X., Liu, Y., Zhang, J., & Wong, L. 2022. Association of dyslipidemia with CKD and proteinuria: A population-based study. *BMC Nephrology*, 23(1), 1–9.
- Yuan, G., Wang, Y., Wang, D., Zhang, J., & Xu, Y. 2012. Reversible histological damage in early-stage kidney injury models. *PLOS ONE*, 7(12), e51889.
- Zechner, R., Lass, A., Zimmermann, R., Eichmann, T. O., & Kohlwein, S. D. 2020. Fat signals—lipases and lipolysis in lipid metabolism and signaling. *Cell Metabolism*, 31(3), 456–471.
- Zhang, X. 2019. Simvastatin reduces renal lipid accumulation by downregulating CXCL16 in diabetic nephropathy. *Lipids in Health and Disease*, 18(1), 1–10.