

## DAFTAR PUSTAKA

- Agarwal, R. (2021). *Chronic Kidney Disease and Type 2 Diabetes*. Arlington: American Diabetes Association.
- Ahmad, R., Amiruddin, R., Arsin, A.A., Stang, Ishak, H., Wahiduddin, Alan, G., Wispriyono, B., & Mallongi, A. (2024). Phytochemical Screening and Antibacterial Activity Test of Ethanol Extract of Durian (*Durio zibethinus* murr.) Soya Varieties Against Pathogen Bacteria Escherichia Coli in Raw Drinking Water. *Pharmacognosy Journal*, 16(4): 933-941.
- Aisyah, S., Gumelar, A.S., Maulana, M.S., & Amalia, R.A.H.T. (2023). Identifikasi Karakteristik Hewan Vertebrata Mamalia Tikus Putih (*Rattus norvegicus*) berdasarkan Morfologi dan Anatominya. *Prosiding SEMNAS BIO*, 5: 484-493.
- Alipin, K., Sari, E.P., Madihah, 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.
- Alsawaf, S., Alnuaimi, F., Afzal, S., Thomas, R.M., Chelakkot, A.L., Ramadan, W.S., Hodeify, R., Matar, R., Merheb, M., Siddiqui, S.S., & Vazhappily, C.G. Plant Flavonoids on Oxidative Stress-Mediated Kidney Inflammation. *Biology*, 11: 1-27.
- Amida, N., Lisdiana, Christijanti, W., & Iswari, R.S. (2021). Efek Ekstrak Black Garlic terhadap Kualitas Spermatozoa Tikus Setelah Dipapar Asap Rokok. *Prosiding Semnas Biologi*, 9: 298-303.
- Amir, M.N., Sulistitani, Y., Indriani, Pratiwi, I., Wahyudin, E., Manggau, M.A., Sumarheni, & Ismail. (2019). Aktivitas Anti Diabetes Mellitus Tanaman Durian (*Durio zibethinus* Murr.) terhadap Kadar Glukosa Darah Puasa Mencit yang Diinduksi Aloksan. *Majalah Farmasi dan Farmakologi*, 23(3): 75-78.
- Anam, S., Safitri, N.L., Tandah, M.R., & Diana, K. (2023). Studi Tumbuhan Obat Tradisional Berkhasiat Antidiabetes di Kecamatan Balinggi Kabupaten Parigi Moutong Provinsi Sulawesi Tengah. *Jurnal Pharmascience*, 10(2): 235-258.
- Anggraeni, F., Putri, N.A., Septiani, R.A., Indriyani, W., Sulvita, W., & Sari, Y. (2023). Novel Drug Delivery System (NDDS) Diabetes Mellitus berdasarkan Pemberian Rute Obat secara Intramuskular. *Jurnal Pendidikan dan Konseling*, 5(1): 35-37.
- Apriani, N., Suhartono, E., & Akbar, I.Z. (2011). Korelasi Kadar Glukosa Darah dengan Kadar Advanced Oxidation Protein Products (AOPP) Tulang pada Tikus Putih Model Hiperglikemia. *JKM*, 11(1): 48-55.
- Ariyadi, T., & Suryono, H. (2017). Kualitas Sediaan Jaringan Kulit Metode Microwave dan Conventional Histoprocessing Pewarnaan Hematoxylin Eosin. *Jurnal Labora Medika*, 1(1): 7-11.
- Arkill, K.P., Qvortrup, K., Starborg, T., Mantell, J.M., Knupp, C., Michel, C.C., Harper, S.J., Salmon, A.H.J., Squire, J.M., Bates, D.O., & Neal,

- C.R. (2014). Resolution of the Three Dimensional Structure of Components of the Glomerular Filtration Barrier. *BMC Nephrol*, 15(24): 1-13.
- Arlofa, N. (2015). Uji Kandungan Senyawa Fitokimia Kulit Durian sebagai Bahan Aktif Pembuatan Sabun. *Jurnal Chemtech*, 1(1): 18-22.
- Asadzadeh, S., Khosroshahi, H.T., Abedi, B., Ghasemi, Y., & Meshgini, S. (2019). Renal Structural Image Processing Techniques: a Systematic Review. *Renal Failure*, 41(1): 57-68.
- Asminah, Setiadi, D. & Susanti, T. (2023). Klasifikasi Jenis Buah Durian dengan Metode K-Nearst Neighbor. *Bina Insani ICT Journal*, 10(2): 176-187.
- Atchou, K., Evi, P.L., & Gedegbeku, K.E. (2023). Improvement of Microvascular Complications in STZ-Diabetic Rats Treated with *Pterocarpus erinaceus* Poir. Extract. *Biochemistry and Biophysics Reports*, 35: 1-10.
- Bhardwaj, R., Kumar, S., & Singla, R. (2019). Flavonoids as Promising Agents for the Prevention of Diabetic Complications. *Journal of Pharmacy and Pharmacology*, 71(9): 1293-1303.
- Bouyahya, A., Balahbib, A., Khalid, A., Makeen, H.A., Alhazmi, H.A., Albratty, N., Hermansyah, A., Ming, L.C., Goh, K.W., & Omari, N.E. (2024). Clinical Applications and Mechanism Insights of Natural Flavonoids against Type 2 Diabetes Mellitus. *Heliyon*, 10(9): 1-40.
- Burke, M., Pabbidi, M.R., Farley, J., & Roman, R.J. (2014). Molecular Mechanisms of Renal Blood Flow Autoregulation. *Current Vascular Pharmacology*, 12: 845-858
- Cao, Y., Lin, J.H., Hammes, H.P., & Zhang, C. (2022). Cellular Phenotypic Transitions in Diabetic Nephropathy: An Update. *Frontiers in Pharmacology*, 13: 1-15.
- Chen, P., Rao, X., He, P., Liu, J., Chu, Y., Dong, Y., & Ding, M. (2025). The Role of Quercetin in the Treatment of Kidney Diseases: A Comprehensive Review. *Biomedicine & Pharmacotherapy*, 190: 1-11.
- Dachi, V.N.O., Rayyan, T.A., Utami, A.P., Mutia, R., Akbar., K., Lumbantobing, C.J.R., Kunardi, S., Jansen., & Djuang, M.H. (2022). Pengaruh Variasi Pemberian Dosis Aloksan terhadap Angka Kadar Gula Darah Hewan Coba. *Jurnal Prima Medika Sains*, 4(1): 32-36.
- Darmayanti, M.D., Samsuri, Setiasih, N.L.E., & Berata, I.K. (2020). Perubahan Histopatologi Ren Tikus Putih setelah 21 Hari Mengonsumsi Ragi Tape. *Indonesia Medicus Veterinus*, 9(6): 889-899.
- Davidson, M.W. (2003). *Mammalian kidney*. Molecular Expressions Microscopy Primer: Anatomy of the Microscope Brightfield Microscopy Digital Image Gallery. Florida State University. Diakses pada 10 November 2025, dari <https://micro.magnet.fsu.edu/primer/anatomy/brightfieldgallery/mammaliankidney40xlarge.html>
- Dewi, R., Budhiana, J., Fatmala, S. D., Yulianti, M., & Arsyi, D. N. (2023). Pengaruh Senam Diabetes terhadap Penurunan Kadar Gula Darah, Stres, dan Kecemasan pada Penderita Diabetes Melitus Tipe II. *Media Karya Kesehatan*, 6(2): 300-318.

- Ebefors, K., Lassén, E., Anandkrishnan, N., Aseloglu, E.U., & Daehn, I.S. (2021). Modeling the Glomerular Filtration Barrier and Intercellular Crosstalk. *Frontiers in Physiology*, 12: 1-12.
- Fagbohun, O.F., Awoniran, P.O., Babalola, O.O., Agboola, F.K., & Msagati, T.A.M. (2020). Changes in the Biochemical, Hematological and Histopathological Parameters in STZ-Induced Diabetic Rats and the Ameliorative Effect of *Kigelia africana* Fruit Extract. *Heliyon*, 6(5): 1-13.
- Fahriansyah, F., Isdadiyanto, S., Mardiyati, S.M., & Sitasiwi, 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.
- Fatimah, Martha, R.D., & Kusumawati, A. (2020). Deteksi dan Identifikasi Senyawa Flavonoid Ekstrak Etanol Kulit Batang Tanaman Majapahit (*Crescentia cujete*) dengan LCMS. *CHEESA: Chemical Engineering Research Articles*, 3(2): 88-98.
- Flores-Estrada, J., Cano-Martinez, A., Ibarra-Lara, L., Jiménez, A., Palacios-Reyes, C., García, L.J.P., Ortiz-López, M.G., Rodríguez-Peña, O.N., & Hernández-Portilla, L.B. (2025). Spinach Extract Reduces Kidney Damage in Diabetic Rats by Impairing the AGEs/RAGE Axis. *International Journal of Molecular Sciences*, 26(10): 1-20.
- Gutiérrez-Del-Río, I., López-Ibáñez, S., Magadán-Corpas, P., Fernández-Calleja, L., Pérez-Valero, Á., Tuñón-Granda, M., Miguélez, E. M., Villar, C. J., & Lombó, F. (2021). Terpenoids and polyphenols as natural antioxidant agents in food preservation. *Antioxidants (Basel)*, 10(8): 1-33.
- Hajimehdipoor, H., Shahrestani, R., & Shekarchi, M. (2014). Investigating the Synergistic Antioxidant Effects of Some Flavonoid and Phenolic Compounds. *Research Journal of Pharmacognosy*, 1(3), 35-40.
- Haq, N., & Nadhiroh, S.R. (2024). Pemberian Diet Diabetes Melitus Nefropati pada Pasien Hiperglikemia Diabetes Melitus Tipe 2 Non Obesitas dengan Anemia Suspect Hepatitis Akut: Sebuah Laporan Kasus. *Media Gizi Kesmas*, 13(1): 133-141.
- Hasan, F.E., & Yunus, R. (2023). Fungsi Antioksidan dalam Menghambat Peroksidasi Lipid dan Meningkatkan Ketahanan Membran Eritrosit pada Penderita Diabetes Melitus. *Health Information: Jurnal Penelitian*, 15(2): 1-11.
- Hasanah, N., & Novian, D.R. (2020). Analisis Ekstrak Etanol Buah Labu Kuning (*Cucurbita Moschata* D.). *Parapemikir: Jurnal Ilmiah Farmasi*, 9(1): 54-59.
- Hestiana, D. W. (2017). Faktor-Faktor yang Berhubungan dengan Kepatuhan dalam Pengelolaan Diet pada Pasien Rawat Jalan Diabetes Mellitus Tipe 2 di Kota Semarang. *Journal of Health Education*, 2(2): 138-145.
- Hill, M.A. (2025). Renal histology. *Embryology*. Diakses pada 6 Oktober 2025, dari [https://embryology.med.unsw.edu.au/embryology/index.php?title=File:Renal\\_histology\\_02.jpg](https://embryology.med.unsw.edu.au/embryology/index.php?title=File:Renal_histology_02.jpg)

- Hong, Y. A. & Park, C.W. (2021). Catalytic Antioxidants in the Kidney. *Antioxidants*, 10(130): 1-21.
- Hu, Q., Qu, C., Xiao, X., Zhang, W., Jiang, T., Wu, Z., Song, D., Peng, X., Ma, X., & Zhao, Y. (2021). Flavonoids on Diabetic Nephropathy: Advances and Therapeutic Opportunities. *Chinese Medicine*, 16(74): 1-17.
- Humphreys, B.D., Valerius, M.T., Kobayashi, A., Mugford, J.W., Soeung, S., Duffield, J.S., McMahon, A.P., & Bonventre, J.V. (2008). Intrinsic Epithelial Cells Repair the Kidnet after Injury. *Cell Stem Cell*, 2(3): 284-291.
- Husna, F., Suyatna, F.D., Arozal, W., & Purwaningsih, E.H. (2019). Model Hewan Coba pada Penelitian Diabetes. *Pharmaceutical Sciences and Research (PSR)*, 6(3): 131-141.
- Ighodaro, O.M., Adeosun, A.M., & Akinloye, O.A., (2017). Alloxan-Induced Diabetes, A Common Model for Evaluating The Glycemic-Control Potential of Therapeutic Compounds and Plants Extracts in Experimental Studies. *Medicina*, 53: 365-374.
- Ilic, S., Stojiljkovic, N., Sokolovic, D., Jovanovic, I., & Stojanovic, N. (2020). Morphometric Analysis of Structural Renal Alterations and Beneficial Effects of Aminoguanidine in Acute Kidney Injury Induced by Cisplatin in Rats. *Can. J. Physiol. Pharmacol*, 98: 117-123.
- Isdadiyanto, S. & Tana, S. (2020). Jumlah Sel Leydig dan Mikroanatomi Testis Tikus Putih (*Rattus norvegicus*) setelah Pemberian Teh Kombucha Konsentrasi 50% Waktu Fermentasi 6, 9, dan 12 Hari. *Buletin Anatomi dan Fisiologi*, 5(1): 67-74.
- Jin, Q., Liu, T., Qiao, Y., Liu, D., Yang, L., Mao, H., Ma, F., Wang, Y., Peng, L., & Zhan, Y. (2023). Oxidative Stress and Inflammation in Diabetic Nephropathy: Role of Polyphenols. *Frontiers in Immunology*, 14: 1-17.
- Jomova, K., Raptova, R., Alomar, S.Y., Alwasel, S.H., Nepovimova, E., Kuca, K., & Valko, M. (2023). Reactive Oxygen Species, Toxicity, Oxidative Stress, and Antioxidants: Chronis Disease an Aging. *Archives of Toxicology*, 97: 2499-2574.
- Kawabata, K., Yoshioka, Y., & Terao, J. (2019). Role of intestinal microbiota in the bioavailability and physiological functions of dietary polyphenols. *Molecules*, 24(2): 1-25.
- Kementerian Kesehatan Republik Indonesia. (2024). Saatnya Mengatur Si Manis. *Sehat Negeriku*. Diakses pada 5 Januari 2025, dari <https://sehatnegeriku.kemkes.go.id/baca/blog/20240110/5344736/saatnya-mengatur-si-manis/>
- Khairinnisa, A., Yusmaini, H., & Hadiwiardjo, Y.H. (2020). Perbandingan Penggunaan Glibenclamid-Metformin dan Glimepirid-Metformin Terhadap Efek Samping Hipoglikemia Pasien Diabetes Melitus Tipe-2 di Kota Tangerang Selatan Bulan Januari – Oktober Tahun 2019. *Seminar Nasional Riset Kedokteran (SENSORIK)*, 1(1): 147-154.
- Kotyk, T., Dey, N., Ashour, A. S., Timer, D.B., Chakraborty, S., Ashour, A.S., & Tavares, J. M. R.S. (2016). Measurement of the Glomerulus Diameter and

- Bowman's Space Thickness of Renal Albino Rats. *Computer Methods and Programs in Biomedicine*, 126: 143-153.
- Kumar, S., Singh, R., Vasudeva, N., & Sharma, S. (2012). Acute and Chronic Animal Models for the Evaluation of Anti-Diabetic Agents. *Cardiovascular Diabetology*, 11(9): 1-13.
- Kumaran, G.K. & Hanukoglu, I. (2019). Identification and Classification of Epithelial Cells in Nephron Segments by Actin Cytoskeleton Patterns. *The FEBS Journal*, 287(1): 1176-1194.
- Kusaba, T., Lalli, M., Kramann, R., Kobayashi, A., & Humphreys, B.D. (2014). Differentiated Kidney Epithelial Cells Repair Injured Proximal Tubule. *Proceedings of the National Academy of Sciences of the United States of America*, 111(4): 1527-1532.
- Lestari, Zulkarnain, & Sijid, S.T.A. (2021). Diabetes Melitus: Review Etiologi, Patofisiologi, Gejala, Penyebab, Cara Pemeriksaan, Cara Pengobatan dan Cara Pencegahan. *Prosiding Biologi Achieving the Sustainable Development Goals with Biodiversity in Confronting Climate Change*, 7(1): 237-241.
- Li, Z., Deng, H., Guo, X., Yan, S., Lu, C., Zhao, Z., Feng, X., Li, Q., Wang, J., Zeng, J., dan Ma, X. (2022). Effective Dose/Duration of Natural Flavonoid Quercetin for Treatment of Diabetic Nephropathy: A Systematic Review and Meta-Analysis of Rodent Data. *Phytomedicine*, 105: 1-18.
- Lytvyn, Y., Bjornstad, P., Lovshin, J.A., Boulet, G., Farooqi, M.A., Lai, V., Tse, J., Chaam, L., Lovblom, L.E., Weisman, A., Keenan, H.A., Brent, M.h., Paul, N., Bril, V., Advani, A., Sochett, E., Perkins, B.A., & Cherney, D.Z.I. (2019). Renal Hemodynamic Function and RAAS Activation Over the Natural History of Type 1 Diabetes. *Am J Kidney Dis*, 73(6): 786-796.
- Malini, D.M., Fitriani, N., Laila, A., Ratningsih, N., & Setiawati, T. (2021). Struktur Morfologis dan Histologis Ren Tikus Model Diabet Setelah Diberi Ekstrak Etanol Kulit Buah Jengkol (*Archidendron pauciflorum*). *Jurnal Biologi Udayana*, 25(2): 208-217.
- Mardudi, Selviyanti, E., & Suwardi, A.B. (2021). Durian Variety (*Durio zibethinus* L.) in Kota Bahagia District, South Aceh, Indonesia. *Jurnal Biologi Tropis*, 21(1): 42-51.
- Maurya, H., Kumar, T., & Kumar, S. (2018). Anatomical and Physiological Similarities of Kidney in Different Experimental Animals Used for Basic Studies. *Journal of Clinical & Experimental Nephrology*, 3(2): 1-6.
- McGee, C.F., McGilloway, D.A., & Buckle, A.P. (2020). Anticoagulant Rodenticides and Resistance Development in Rodent Pest Species – A Comprehensive Review. *Journal of Stored Products Research*, 88: 1-18.
- Minawati, Febriani, Y, & Ihsan, E.A. (2022). Formulasi dan Evaluasi Lulur Limbah Kulit Dalam (Albedo) Buah Durian (*Durio zibethinus* Murr.) sebagai Kosmetik Alami. *SINTEZA: Jurnal Famasi Klinis dan Sains Bahan Alam*, 1(2): 1-8.
- Moore, K.L. & Anne M.R. (2012). *Anatomi Klinis Dasar*. Jakarta: Penerbit Buku EGC.

- Muhammad, A.A. (2018). Resistensi Insulin dan Disfungsi Sekresi Insulin Sebagai Faktor Penyebab Diabetes Melitus Tipe 2. *PROMOTIF: Jurnal Kesehatan Masyarakat*, 8(2): 173-178.
- Muhtadi, P.A.U., & Sujono, T. A. (2015). Antidiabetic Activity of Durian (*Durio zibethinus* Murr.) and Rambutan (*Nephelium lappaceum* L.) Fruit Peels in Alloxan Diabetic Rats. *Procedia Food Science*, 3: 255-261.
- Mulyati, S. (2016). Peranan Advanced Glycation End-products pada Diabetes. *Cermin Dunia Kedokteran*, 43(6): 422-426.
- Mutiarahmi, C.N., Hartady, T., & Lesmana, R. (2021). Kajian Pustaka: Penggunaan Mencit sebagai Hewan Coba di Laboratorium yang Mengacu pada Prinsip Kesejahteraan Hewan. *Indonesia Medicus Veterinus*, 10(1): 134-145.
- Nugroho, S. (2012). Pencegahan dan Pengendalian Diabetes Melitus melalui Olahraga. *MEDIKORA*, 9(1): 1-15.
- Nugroho, S.W., Fauziyah, K.R., Sajuthi, D., & Darusman, H.S. (2018). Profil Tekanan Darah Normal Tikus Putih (*Rattus norvegicus*) Galur Wistar dan Sprague-Dawley. *Acta Veterinaria Indonesiana*, 6(2): 32-37.
- Nuryadi, Astuti, T.D., Utami, E.S., & Budiantara, M. (2017). *Dasar-Dasar Statistik Penelitian*. Yogyakarta: Sibuku Media.
- Palupi, F.D., Wasita, B., & Nuhriawangsa, A.M.P. (2019). Pengaruh Dosis dan Lama Pemberian Ekstrak Etanol Pegangan (*Centella asiatica*) terhadap Kadar Gula Darah dan Derajat Insulinitis Tikus Model Diabetes Melitus Tipe 2. *Media Gizi Mikro Indonesia*, 10(2): 111-124.
- Persulesy, E.R., Lembang, F.k., & Djidin, H. (2016). Penilaian Cara Mengajar Menggunakan Rancangan Acak Lengkap (Studi Kasus: Jurusan Matematika Fmipa Unpatti). *Barekeng: Jurnal Ilmu Matematika dan Terapan*, 10(1): 9-16.
- Peterdi, J.P. & Harris, R.C. (2010). Macula Densa Sensing and Signaling Mechanisms of Renin Release. *J Am Soc Nephrol*, 21(7): 1093-1096.
- Pourghasem, M., Nasiri, E., & Shafi, H. (2014). Early Renal Histological Changes in Alloxan-Induced Diabetic Rats. *Int J Mol Cell Med*, 3(1): 11-15.
- Pourghasem, M., Shafi, H., & Babazadeh, H. (2015). Histological Changes of Kidney in Diabetic Nephropathy. *Caspian J Intern Med*, 6(3): 120-127.
- Pratiwi, N, Hanafiah, D.S., & Siregar, L.A.M. (2018). Identifikasi Karakter Morfologis Durian (*Durio zibethinus* Murr) di Kecamatan Tigalingga dan Pegagan Hilir Kabupaten Dairi Sumatera Utara. *Jurnal Agroekoteknologi FP USU*, 6(2): 200-208.
- Prawitasari, D.S. (2019). Diabetes Melitus dan Antioksidan. *KELUWIH: Jurnal Kesehatan dan Kedokteran*, 1(1): 47-51.
- Priyanto, Yulianingsih, N., & Asyari, H. (2022). Hubungan Pengetahuan tentang Diabetes Mellitus dengan Kepatuhan Menjalani Pengobatan pada Pasien Diabetes Mellitus di Kecamatan Kertasemaya. *Jurnal Pengabdian Ilmu Kesehatan*, 2(1): 17-24.
- Putriningtyas, N.D. & Budiono, I. (2022). Yogurt Kulit Buah Naga Merah dan Hiperglikemia. *Bookchapter Kesehatan Masyarakat Universitas Negeri Semarang*, 2: 101-129.

- Rahmawati, M.D. dan Indriawati, R. (2020). Efektivitas Gedebog Pisang (*Musa sp.*) terhadap Pembentukan ROS pada Diabetes Mellitus. *Proceedings The 1st UMYGrace*, 1: 82-85.
- Rahmayati, E., Sari, G., Apriantoro, N.H., Fitriani, Prayogi, U.D., Irwan, D., Restiyanti, Y., & Napitupulu, P. (2021). Gambaran Morfologi USG Ren dengan Kreatinin Tinggi pada Kasus Gagal Ren Kronik. *Kocenin Serial Konferensi*, 1: 1-7.
- Romadhon, A.S. & Isaura, E.R. (2023). Pemberian Diet Diabetes Nefropati Rendah Garam pada Pasien Diabetes Melitus, Gagal Ren, dan Hipertensi: Sebuah Laporan Kasus. *Jurnal Kesehatan Tambusai*, 4(3): 3819-3829.
- Saminathan, V., & Doraiswamy, R. (2020). Phytochemical Analysis, Antioxidant and Anticancer Activities of Durian (*Durio zibethinus* Murr.) Fruit Extract. *Journal of Research in Pharmacy*, 24(6): 882-892.
- Saputra, S.I., Berawi, K.N., Susianti, & Hadibrata, E. (2023). Hubungan Diabetes Melitus dengan Kejadian Gagal Ren Kronik. *Medula*, 13(5): 787-791.
- Sari, D.P., Fatmawati, U., & Prabasari, R.M. (2016). Profil Hands on Activity pada Mata Kuliah Mikroteknik di Prodi Pendidikan Biologi FKIP UNS. *Proceeding Biology Education Conference*, 13(1): 476-481.
- Sari, G.P., Samekto, M., & Adi, M.S. (2017). Faktor-Faktor yang Berpengaruh terhadap Terjadinya Hipertensi pada Penderita Diabetes Melitus Tipe II (Studi di Wilayah Puskesmas Kabupaten Pati). *Jurnal Litbang*, 13(1): 47-59.
- Schweinfurth, M.K. (2020). The Social Life of Norway Rats (*Rattus norvegicus*). *eLife*: 1-26.
- Simanjuntak, K. (2012). Peran Antioksidan Flavonoid dalam Meningkatkan Kesehatan. *Bina Widya*, 23(3): 135-140.
- Singh, A., Yau, Y.F., Leung, K.S., Nezami, H., & Lee, J.C.Y. (2020). Interaction of Polyphenols as Antioxidant and Anti-Inflammatory Compounds in Brain–Liver–Gut Axis. *Antioxidants*, 9(8): 1-19.
- Soesilawati, P. (2020). *Histologi Kedokteran Dasar*. Surabaya: Airlangga University Press.
- Song, D., Zhao, J., Deng, W., Liao, Y., Hong, X., & Hou, J. (2018). Tannic Acid Inhibits NLRP3 Inflammasome-Mediated IL-1 $\beta$  Production Via Blocking NF- $\kappa$ B Signaling in Macrophages. *Biochemical and Biophysical Research Communications*, 503: 3078-3085.
- Sutomo, & Purwanto, N.H. (2023). Pengaruh Konsumsi Tisane Daun Belimbing Wuluh terhadap Perubahan Kadar Gula dalam Darah pada Penderita Diabetes Mellitus Tipe 2. *Jurnal Keperawatan*, 16(1): 1-15.
- 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.
- Tang, H., Li, K., Shi, Z., & Wu, J. (2025). G-Protein-Coupled Receptors in Chronic Kidney Disease Induced by Hypertension and Diabetes. *Cells*, 14(729): 1-22.
- Thilakarathna, S.H. & Rupasinghe, H.P. (2013). Flavonoid Bioavailability and Attempts for Bioavailability Enhancement. *Nutrients*, 5(9): 3367-3387.

- Tonneijck, L., Muskiet, M.H.A., Smits, M.M., Bommel, E.J., Heerspink, H.J.L., Raalte, D.H., & Joles, J.A. (2017). Glomerular Hyperfiltration in Diabetes: Mechanisms, Clinical Significance, and Treatment. *Journal of the American Society of Nephrology*, 28(4): 1023-1039.
- Ulfah, M., Efriani, L., Widayanti, W., & Hadi, I. (2024). BERLIAN (Berkah Limbah Durian): Pemanfaatan Limbah Kulit Durian Menjadi Tepung untuk Meningkatkan Produksi Industri Pempek Rumahan di Desa Patalagan, Kecamatan Pancalang, Kabupaten Kuningan. *I-Com: Indonesian Community Journal*, 4(3): 2393-2403.
- Vargas, F., Romecin, P., Guillén, A.I.G., Wangesteen, R., Tendero, P.V., Paredes, M.D., Atucha, N.M., & Estañ, J.G. (2018). Flavonoids in Kidney Health and Disease. *Frontiers in Physiology*, 9: 1-12.
- Verdiansah, (2016). Pemeriksaan Fungsi Ren. *Cermin Dunia Kedokteran*, 43(2): 148-154.
- Wang, Y., Sui, Z., Wang, M., & Liu, P. (2023). Natural Products in Attenuating Renal Inflammation Via Inhibiting the NLRP3 Inflammasome in Diabetic Kidney Disease. *Frontiers in Immunology*, 10: 1-20.
- Wati, D.P., Ilyas, S., & Yunardi. (2024). *Prinsip Dasar Tikus sebagai Model Penelitian*. Medan: USU Press.
- Widaryanti, B., Khikmah, N., & Sulistyani, N. (2021). Efek Rebusan Sereh (*Cymbopogon citratus*) terhadap Respon Stress Oksidatif pada Tikus Wistar Jantan (*Rattus norvegicus*) Diabetes. *Life Science*, 10(2): 173-181.
- Williamson, G. (2025). Bioavailability of Food Polyphenols: Current State of Knowledge. *Annual Review of Food Science and Technology*, 16: 315-332.
- Wirawan, W. (2019). Uji Ekstrak Etanol Daun Ciplukan terhadap Gambaran Histopatologi Ren Tikus Putih Jantan Diinduksi Streptozotocin. *Farmakologika: Jurnal Farmasi*, 15(2): 124-133.
- Wolfensohn, S., & Lloyd, M. (2013). *Handbook of Laboratory Animal Management and Welfare Fourth Edition*. West Sussex: Wiley Blackwell.
- Wu, T., Ding, L., Andoh, V., Zhang, J., & Chen, L. (2023). The Mechanism of Hyperglycemia-Induced Renal Cell Injury in Diabetic Nephropathy Disease: An Update. *Life*, 13(539): 1-18.
- Wulandari, N.L.W.E., Udayani, N.N.W., Dewi., N.L.K.A.A., Triansyah, G.A.P., Dewi, N.P.E.M.K.m Wideasriani, I.A.P., & Prabandari, A.A.S.S. (2024). Artikel Review: Pengaruh Pemberian Induksi Aloksan terhadap Gula Darah Tikus. *Indonesian Journal of Pharmaceutical Education*, 4(2): 205-216.
- Yang, Y. & Xu, G. (2022). Update on Pathogenesis of Glomerular Hyperfiltration in Early Diabetic Kidney Disease. *Frontiers in Endocrinology*, 13: 1-11.