

DAFTAR PUSTAKA

- Ahmed, R. *et al.* (2010) 'Serum glucose and lipid profiles in rats following administration of *Sonneratia caseolaris*', *Advances in Natural and Applied Sciences*, 4(2), pp. 171–173. Available at: <https://www.researchgate.net/publication/289417859>.
- Bachmid, N., Sangi, M.S. and Pontoh, J.S. (2015) 'Uji Aktivitas Antikolesterol Ekstrak Etanol Daun Patikan Emas (*Euphorbia prunifolia* Jacq.) pada Tikus Wistar yang Hiperkolesterolemia', *Jurnal MIPA*, 4(1), pp. 29–35. Available at: <https://ejournal.unsrat.ac.id/index.php/jmuo/article/view/6901> (Accessed: 31 October 2022).
- Banjarnahor, E. *et al.* (2012) 'SEL BETA PANKREAS SINTESIS DAN SEKRESI INSULIN', *Jurnal Biomedik:JBM*, 4(3). Available at: <https://doi.org/10.35790/JBM.4.3.2012.795>.
- Barman, A.K. *et al.* (2021) 'Evaluation of antidiabetic potential of extract of *sonneratia caseolaris* (L.) engl. leaves against alloxan-induced diabetes in mice', *Tropical Journal of Natural Product Research*, 5(1), pp. 77–83. Available at: <https://doi.org/10.26538/tjnpr/v5i1.9>.
- Boden, G. *et al.* (2015) 'Excessive caloric intake acutely causes oxidative stress, GLUT4 carbonylation, and insulin resistance in healthy men', *Science translational medicine*, 7(304), p. 304re7. Available at: <https://doi.org/10.1126/SCITRANSLMED.AAC4765>.
- Chawla, A., Chawla, R. and Jaggi, S. (2016) 'Microvascular and macrovascular complications in diabetes mellitus: Distinct or continuum?', *Indian Journal of Endocrinology and Metabolism*, 20(4), p. 546. Available at: <https://doi.org/10.4103/2230-8210.183480>.
- Cho, N.H. *et al.* (2018) 'IDF Diabetes Atlas: Global estimates of diabetes prevalence for 2017 and projections for 2045', *Diabetes Research and Clinical Practice*, 138, pp. 271–281. Available at: <https://doi.org/10.1016/J.DIABRES.2018.02.023>.
- Choi, M.R. *et al.* (2017) 'Chronic saponin treatment attenuates damage to the pancreas in chronic alcohol-treated diabetic rats', *Journal of Ginseng Research*, 41(4), pp. 503–512. Available at: <https://doi.org/10.1016/J.JGR.2016.09.002>.
- Eroschenko, V.P. (2012) *Atlas Histologi diFiore*. Jakarta: EGC.
- Ferri (2015) 'Ferri's Clinical Advisor 2015. Diabetes Mellitus Elsevier Inc. Husain'.
- Fitriyyah, B. *et al.* (2020) 'Keanekaragaman Tanaman Mangrove di Taman Nasional Berbak Sembilang', *Prosiding Seminar Nasional Sains dan Teknologi Terapan*, 3(0), pp. 495–506. Available at: <http://semnas.radenfatah.ac.id/index.php/semnasfst/article/view/138> (Accessed: 14 March 2023).

- Galicía-García, U. *et al.* (2020) 'Pathophysiology of Type 2 Diabetes Mellitus', *International Journal of Molecular Sciences* 2020, Vol. 21, Page 6275, 21(17), p. 6275. Available at: <https://doi.org/10.3390/IJMS21176275>.
- Ghorbani, A., Rashidi, R. and Shafiee-Nick, R. (2019) 'Flavonoids for preserving pancreatic beta cell survival and function: A mechanistic review', *Biomedicine and Pharmacotherapy*, 111, pp. 947–957. Available at: <https://doi.org/10.1016/J.BIOPHA.2018.12.127>.
- Gudise, V. and Chowdhury, B. (2020) 'Molecular mechanisms and the vital roles of resistin, TLR 4, and NF- κ B in treating type 2 diabetic complications', *Beni-Suef University Journal of Basic and Applied Sciences*, 9(1), pp. 1–9. Available at: <https://doi.org/10.1186/S43088-020-00078-4/FIGURES/4>.
- Halban, P.A. *et al.* (2014) ' β -Cell Failure in Type 2 Diabetes: Postulated Mechanisms and Prospects for Prevention and Treatment', *The Journal of Clinical Endocrinology & Metabolism*, 99(6), pp. 1983–1992. Available at: <https://doi.org/10.1210/JC.2014-1425>.
- Hardianto, D. (2020) 'BIOTEKNOLOGI & BIOSAINS INDONESIA A Comprehensive Review of Diabetes Mellitus: Classification, Symptoms, Diagnosis, Prevention, and Treatment'. Available at: <http://ejurnal.bppt.go.id/index.php/JBBI> (Accessed: 8 March 2023).
- Hasan, M. *et al.* (2013) 'Journal of Innovation & Development Strategy (JIDS) HYPOGLYCEMIC EFFECT OF METHANOLIC EXTRACT FROM FRUITS OF *Sonneratia caseolaris*-A MANGROVE PLANT FROM BAGERHAT REGION, THE SUNDARBANS, BANGLADESH', *J. Innov. Dev. Strategy*, 7(1), pp. 1–6. Available at: <http://ggfagro.com/ejournals/current>.
- Huang, D. *et al.* (2017) 'Macrovascular Complications in Patients with Diabetes and Prediabetes', *BioMed Research International*, 2017. Available at: <https://doi.org/10.1155/2017/7839101>.
- IDF Diabetes Atlas 10th edition* (no date). Available at: www.diabetesatlas.org.
- Irdalisa *et al.* (2015) 'PROFIL KADAR GLUKOSA DARAH PADA TIKUS SETELAH PENYUNTIKAN ALOKSAN SEBAGAI HEWAN MODEL HIPERGLIKEMIK', *Jurnal Edubio Tropika*, 3(1). Available at: <https://jurnal.unsyiah.ac.id/JET/article/view/5272> (Accessed: 31 October 2022).
- Istikhomah, I. and Lisdiana, L. (2015) 'EFEK HEPATOPROTEKTOR EKSTRAK BUAH PEDADA (*Sonneratia caseolaris*) PADA TIKUS PUTIH (*Rattus norvegicus*)', *Life Science*, 4(1). Available at: <https://journal.unnes.ac.id/sju/index.php/UnnesJLifeSci/article/view/12205> (Accessed: 7 March 2023).
- Jusuf, A.A. (2009) *HISTOTEKNIK DASAR*.
- Kadar, P. *et al.* (2019) 'Profil Penurunan Kadar Glukosa Darah Ekstrak Air Rambut Jagung (*Zea Mays* L.) Tua dan Muda Pada Mencit Jantan Galur Balb-C', *Jurnal Pharmascience*, 3(1), pp. 37–44. Available at: <https://doi.org/10.20527/JPS.V3I1.5833>.
- Kumar, V., Abbas, K.A. and Aster, J.C. (2018) 'Robbins Basic Pathology, 10th Ed.' Available at:

//digilib%2Findex.php%3Fp%3Dshow_detail%26id%3D23782 (Accessed: 8 March 2023).

- Kumari, M. and Jain, S. (2012) *Tannin: An Antinutrient with Positive Effect to Manage Diabetes*. Available at: https://www.researchgate.net/publication/236143118_Tannin_An_Antinutrient_with_Positive_Effect_to_Manage_Diabetes (Accessed: 31 October 2022).
- Lenzen, S. (2008) 'The mechanisms of alloxan- and streptozotocin-induced diabetes', *Diabetologia*, 51(2), pp. 216–226. Available at: <https://doi.org/10.1007/S00125-007-0886-7>.
- Li, A.N. *et al.* (2014) 'Resources and Biological Activities of Natural Polyphenols', *Nutrients 2014, Vol. 6, Pages 6020-6047*, 6(12), pp. 6020–6047. Available at: <https://doi.org/10.3390/NU6126020>.
- Lucchesi, A.N. *et al.* (2013) 'Diabetes mellitus triggers oxidative stress in the liver of alloxan-treated rats: a mechanism for diabetic chronic liver disease 1', *Acta Cirúrgica Brasileira*, 28(7), pp. 2013–503.
- Lytrivi, M. *et al.* (2020) 'Recent Insights Into Mechanisms of β -Cell Lipo- and Glucolipotoxicity in Type 2 Diabetes', *Journal of Molecular Biology*, 432(5), pp. 1514–1534. Available at: <https://doi.org/10.1016/J.JMB.2019.09.016>.
- Motshakeri, M. *et al.* (2014) 'Effects of brown seaweed (sargassum polycystum) extracts on kidney, liver, and pancreas of type 2 diabetic rat model', *Evidence-based Complementary and Alternative Medicine*, 2014. Available at: <https://doi.org/10.1155/2014/379407>.
- Mouri, Mi. and Badireddy, M. (2022) 'Hyperglycemia', *Mader's Reptile and Amphibian Medicine and Surgery*, pp. 1314-1315.e1. Available at: <https://doi.org/10.1016/B978-0-323-48253-0.00155-0>.
- Newsholme, P. *et al.* (2019) 'Oxidative stress pathways in pancreatic β -cells and insulin-sensitive cells and tissues: Importance to cell metabolism, function, and dysfunction', *American Journal of Physiology - Cell Physiology*, 317(3), pp. C420–C433. Available at: <https://doi.org/10.1152/AJPCELL.00141.2019/ASSET/IMAGES/LARGE/ZH00081984920002.JPEG>.
- Pasello, G. *et al.* (2013) 'Effects of Sulfonylureas on Tumor Growth: A Review of the Literature', *The Oncologist*, 18(10), p. 1118. Available at: <https://doi.org/10.1634/THEONCOLOGIST.2013-0177>.
- Perkeni (2021) *PEDOMAN PENGELOLAAN DAN PENCEGAHAN DIABETES MELITUS TIPE 2 DEWASA DI INDONESIA-2021 PERKENI i Penerbit PB. PERKENI*.
- Ramadani, R. (2016) 'SENYAWA KIMIA BAHAN ALAM TERPENOID', *Tarbawi: Jurnal Ilmu Pendidikan*, 12(1). Available at: <https://ejournal.iainkerinci.ac.id/index.php/tarbawi/article/view/79> (Accessed: 31 October 2022).
- Rambiritch, V., Maharaj, B. and Naidoo, P. (2014) 'Glibenclamide in patients with poorly controlled type 2 diabetes: a 12-week, prospective, single-center, open-label, dose-escalation study', *Clinical Pharmacology*:

- Advances and Applications*, 6(1), p. 63. Available at: <https://doi.org/10.2147/CPAA.S54809>.
- Ravichandran, K. *et al.* (2012) 'The effect of different processing methods on phenolic acid content and antioxidant activity of red beet', *Food Research International*, 48(1), pp. 16–20. Available at: <https://doi.org/10.1016/J.FOODRES.2012.01.011>.
- Redha, A. (2013) 'Flavonoid: Struktur, Sifat Antioksidatif Dan Peranannya Dalam Sistem Biologis'. Available at: <http://repository.polnep.ac.id/xmlui/handle/123456789/144> (Accessed: 31 October 2022).
- Rohilla, A. and Ali, S. (2012) 'Alloxan Induced Diabetes: Mechanisms and Effects', 3(2). Available at: www.ijrbsonline.com.
- Sabat Dwi Meianti, D. and Trijuliamos Manalu, R. (2022) 'Potensi Antimikroba Ekstrak Etanol Daun Gatal (*Urticastrum decumanum* (Roxb.) Kuntze) Terhadap Pertumbuhan *Staphylococcus aureus* dan *Candida albicans* Antimicrobial Potential of Ethanol Extract of Daun Gatal (*Urticastrum Decumanum* (Roxb.) Kuntze) Against Growth *Staphylococcus Aureus* and *Candida Albicans*', 15(2).
- Serrano, J. *et al.* (2009) 'Tannins: current knowledge of food sources, intake, bioavailability and biological effects', *Molecular nutrition & food research*, 53 Suppl 2(SUPPL. 2), pp. S310–S329. Available at: <https://doi.org/10.1002/MNFR.200900039>.
- Singh Jaggi, A. *et al.* (2014) 'Advanced Glycation End Products and Diabetic Complications', *Korean J Physiol Pharmacol*, 18, pp. 1–14. Available at: <https://doi.org/10.4196/kjpp.2014.18.1.1>.
- Sugiyono (2013) 'Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D'. Available at: [//digilib.unigres.ac.id/index.php/3Fp/3Dshow_detail/26id/3D43](http://digilib.unigres.ac.id/index.php/3Fp/3Dshow_detail/26id/3D43) (Accessed: 31 October 2022).
- Syamsul, E.S., Supomo and Jubaidah, S. (2020) 'Karakterisasi Simplisia dan Uji Aktivitas Antioksidan Ekstrak dan Fraksi Daun Pidada Merah (*Sonneratia caseolaris* L)'. *KOVALEN: Jurnal Riset Kimia*, 6(3), pp. 184–190. Available at: <https://doi.org/10.22487/KOVALEN.2020.V6.I3.15319>.
- Triafani, R. *et al.* (2021) 'PEMBERDAYAAN MASYARAKAT PESISIR MELALUI PEMANFAATAN BUAH PEDADA (*Sonneratia caseolaris*) UNTUK PRODUKSI SIRUP DI DESA API-API, BENGKALIS Phytoremediation of Hydrocarbon Contaminated Soil Using Tropical Tree Species View project'. Available at: <https://doi.org/10.13140/RG.2.2.12378.21444>.
- Vieira, R. *et al.* (2019) 'Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndrome—Strategies for In Vivo Administration: Part-II', *Journal of Clinical Medicine*, 8(9), p. 1332. Available at: <https://doi.org/10.3390/JCM8091332>.
- WHO (2016) 'Global Report on Diabetes', *Isbn*, 978, p. 11. Available at: http://www.who.int/about/licensing/copyright_form/index.html
http://www.who.int/about/licensing/copyright_form/index.html
<https://apps.who.int/>

- nt/iris/handle/10665/204871%0Ahttp://www.who.int (Accessed: 31 October 2022).
- Widhiastuti, S.S. *et al.* (2020) 'PENGARUH MEDIA TERKONDISI SEL PUNCA MESENSIMAL TERHADAP EKSPRESI GEN TRANSCRIPTION FACTOR 7-LIKE 2 (TCF7L2) TIKUS MODEL DIABETES MELITUS TIPE 2', *BERITA BIOLOGI*, 19(2), pp. 141–150. Available at: <https://doi.org/10.14203/BERITABIOLOGI.V19I2.3830>.
- Wirjatmadja, R. *et al.* (2021) 'Efektifitas ekstrak daun kembang bulan (*Tithonia diversifolia*) terhadap gambaran histopatologi pankreas pada tikus yang diinduksi aloksan', *VITEK : Bidang Kedokteran Hewan*, 11(1), pp. 15–24. Available at: <https://doi.org/10.30742/JV.V11I1.52>.
- Wolfensohn, S. and Lloyd, M. (2013) *Handbok of Laboratory Animal Management and Welfare*. 4th edn. *WoRMS* (2023). Available at: <https://www.marinespecies.org/aphia.php?p=taxdetails&id=235109> (Accessed: 31 October 2022).
- Yuslianti, E.R. (2017) *Pengantar radikal bebas dan antioksidan*. Yogyakarta: Deepublish.
- Zhang, G. *et al.* (2017) 'A Protective Role of Glibenclamide in Inflammation-Associated Injury', *Mediators of Inflammation*. Hindawi Limited. Available at: <https://doi.org/10.1155/2017/3578702>.