

DAFTAR PUSTAKA

- Ahmad, M., Kamran, S. H., dan Mobasher, A. 2014. Protective effect of crude Curcuma longa and its methanolic extract in alloxanized rabbits. *Pakistan Journal of Pharmaceutical Sciences*, 27(1), 121–128.
- Akhlaghi, M., dan Bandy, B. 2009. Review article: mechanisms of flavonoid protection against myocardial ischemia-reperfusion injury. *Journal Molecular and Cellular Cardiology*, 46, 309–317.
- Al-samarrai, Y. H. J., Majeed, A., dan Alsamarraie, M. 2019. Histopathological and Biochemical study on the effect of flavonoids isolated from the plant Curcuma longa effective in liver enzymes (GOT , GPT) to female rats infected eggs diabetes induced in alloxan. 801(June), 795–801.
- Algariri. 2013. Hypoglycemic and anti-hyperglycemic study of Gynura procumbens leaf extracts. *School Of Pharmaceutical SciencesUniversity Sains Malaysia. 11800. Penang. Malaysia.*, 3(5), 358–366.
- Asmat, U., Abad, K., dan Ismail, K. 2016. Diabetes mellitus and oxidative stress—A concise review. *Saudi Pharmaceutical Journal*, 24(5), 547–553.
- Atlas, I. D. F. D. 1955. International Diabetes Federation. In *The Lancet* (Vol. 266, Issue 6881).
- Azwanida, N. N. 2012. A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, 3(4), 1–6.
- Balasubramanian, T., Karthikeyan, M., dan Chatterjee, T. K. 2013. Protective Effect of Ethyl Acetate Fraction of Stereospermum Suaveolens Against Hepatic Oxidative Stress in STZ Diabetic Rats. *Journal of Traditional and Complementary Medicine*, 3(3), 175–181.
- Bangun, A. 2012. Ensiklopedia Tanaman Obat Indonesia. *Indonesia Peblising House*.
- Baradero, M., Dayrit, M. ., dan Siswadi, Y. 2008. Klien Gangguan Hati. *Kedokteran EGC*.
- Baron, D. N. 1995. Patologi Klinik, Edisi ke-4. *EGC*.
- Baynest, H. W. 2015. Classification, Pathophysiology, Diagnosis and Management of Diabetes Mellitus. *Journal of Diabetes & Metabolism*, 06(05).

- Bhatt, H., Saklani, S., dan Upadhayay, K. 2016. Anti-oxidant and anti-diabetic activities of ethanolic extract of Primula Denticulata Flowers. *Indonesian Journal of Pharmacy*, 27(2), 74–79.
- Brindha, B., Kalaivani, K., dan Vijayakumar, M. 2019. Biomedicine & Pharmacotherapy Moringa concanensis Nimmo extracts ameliorates hyperglycemia-mediated oxidative stress and upregulates PPAR γ and GLUT4 gene expression in liver and pancreas of streptozotocin-nicotinamide induced diabetic rats. *112*(February).
- Campos, C. 2012. Chronic hyperglycemia and glucose toxicity: Pathology and clinical sequelae. *Postgraduate Medicine*, 124(6), 90–97.
- Carnwell, R., dan Daly, W. 2001. Strategies for the construction of a critical review of the literature. *Nurse Education in Practice*, 1(2), 57–63.
- Chahdoura, H., Adouni, K., Khli, A., Dridi, I., Haouas, Z., Neffati, F., Flamini, G., dan Mosbah, H. 2017. ScienceDirect Hepatoprotective effect of Opuntia microdasys (Lehm .) Pfeiff fl owers against diabetes type II induced in rats. *94*, 79–87.
- Dalimartha, S. 2005. Tanaman Obat di Lingkungan Sekitar. *Puspa Swara*.
- Dedy, S. 2008. Pengaruh Proteksi Vitamin C Terhadap Enzim Transaminase Plumbum, Gambaran Histopatologi Hati Mencit yang di Papar Utara. (Tesis). *Universitas Sumatra*.
- Dewantari, R., dan L, M. L. 2018. Jenis Tumbuhan yang Digunakan sebagai Obat Tradisional Di Daerah Eks- Karesidenan Surakarta. *Bioedukasi*, 11(2), 118–123.
- Dienstag, J. L., dan Isselbacher, K. J. 2000. Hepatitis toksik dan hepatitis akibat obat, dalam E Braunwald (eds.), Harrison prinsip prinsip ilmu penyakit dalam. A Asdie, *EGC*.
- Gajawat, S., Sancheti, G., dan PK, G. 2006. Protection Against Lead Induced Hepatic Lesion in Swiss Albino Mice by absorbis Acid. *Pharmacologionline*, 1, 140–149.
- Gargouri, M., Magn, C., dan Feki, A. El. 2016. Hyperglycemia, oxidative stress, liver damage and dysfunction in alloxan-induced diabetic rat are prevented by Spirulina supplementation. *Nutrition Research*.
- Genester, F. 2004. Buku Teks Histologi (Gunawijaya, Kartawiguna, & Arkeman (eds.); 1st ed.). *Binarupa Aksara*.

- Giribabu, N., Karim, K., Kumar, E., Mbbs, N. M. K., dan Mbbs, N. S. 2017. Anti-Inflammatory , Anti-Apoptotic and Pro-Proliferative Effects of Vitis Vinifera Seed Ethanolic Extract in the Liver of Streptozotocin-Nicotinamide-Induced Diabetes in Male Rats. *Canadian Journal of Diabetes*, 1–12.
- Guyton, A. C., dan E, H. J. 1997. *Buku Ajar Fisiologi Kedokteran* (9th ed.). EGC.
- Hagerman, A. . (2002). Tannin Hndbook. In *Miami University:Departement of Chemistry and Biochemistry*.
- Hardiningtyas, S, D., Purwaningsih, S., dan Handharyani, E. 2014. Aktivitas Antioksidan dan Efek Hepatoprotektif Daun Bakau Api-api Putih. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 17(1), 80–91.
- Hargono, D. 1998. Mengikuti Jalannya Upaya Pengembangan Obat Tradisional. *Media Litbangkes Edisi Khusus “Obat Asli Indonesia,” VIII(3&4)*, 22–27.
- Heinrich, M. Barnes, J. Gibbons, S. W. 2004. Fundamental of Pharmacognocy and Phytotherapy. *Philadelphia. Elsevier*.
- Husnah. 2019. Pengaruh Waktu Pengadukan Pelan Pada Koagulasi Air Rawa. *Journal of Chemical Information and Modeling*, 53(9), 1689–1699.
- Hutagalung, H. 2004. Metabolisme Karbohidrat, Manfaat Karbohidrat. *USU Digital Library*, 1–13.
- Inoue, M. 2001. Protective Mechanisms Against Reactive Oxygen Species In: Arias IM The liver biology and pathobiology Lippincott Williams and Wilkins 4th-ed. *Philadelphia*, 281–290.
- Ismeri. 2011. Aktivitas Ekstrak Etanol-Air Daun kari (Murraya kuenigii) sebagai Hepatoprotektor pada tikus putih galur sprague Dawley. *Bogor : Fakultas Matematika Dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor*.
- Javad, H., Farhad, O., Mehdi, M., Oshaghi, A., Nader, R. G., Seyed, G., dan Behrooz, H. 2012. *Hepatoprotective effects of hydroalcoholic extract of Allium hirtifolium (Persian shallot) in diabetic rats*. 23(2), 83–87.
- Junquiera, L. C., dan Carneiro, J. 2007. (10th ed.). EGC.
- Juster-Swityk, K., dan Smith, A. G. 2016. Updates in diabetic peripheral neuropathy. *F1000Research*, 5(0), 1–7.
- Juza, R. M., dan Pauli, E. M. 2014. Clinical and surgical anatomy of the liver : a review for clinicians. *Clinical Anatomy*, 769(January):764–769.
- Kee, J. L. 2007. Pedoman Pemerik saan Laboratorium dan Diagnostik. In *EGC*

(6.). EGC.

- Kemp, W. L., Burns, D. K., dan Brown, T. G. 2008. *Pathology: The Big Picture*, 4–10.
- Kristanti, A. N., Aminah, N. S., Tanjung, M., dan Kurniadi, B. 2008. Buku Ajar Fitokimia. Airlangga University Press.
- Kumar, V., Abbas, A. K., dan Fausto, N. (2009). Adaptasi, cedera dan kematian sel, dalam Robbins and Cotran: dasar patologi penyakit, 7th Ed, trans (7th ed.). BU Pendit, EGC.
- Lai, E. R. 2011. Critical Thinking: A Literature Review. In *Pearson* (pp. 1–49).
- Lim, A. K. H. 2014. Diabetic nephropathy – Complications and treatment. *International Journal of Nephrology and Renovascular Disease*, 7, 361–381.
- McIntosh, M. T., Behan, S. C., Mohamed, F. M., Lu, Z., Moran, K. E., Burrage, T. ., Neilan, J. G., Ward, G. B., Capucci, L., & Metwally, S. A. 2007. A pandemic strain of calicivirus threatens rabbit industries in the Americas'. *Virology Journal*, 4, 96.
- Middleton E, J., Kandaswami, C., dan Theoharides, T. 2000. The effects of plant flavonoids on mammalian cells: implications for inflammation, heart disease, and cancer. *Pharmacology Review*, 52, 673–751.
- Molehin, O. R., dan Oloyede, O. I. 2018. Attenuation of oxidative stress and hepatic damage by white butterfly (*Clerodendrum volubile*) leaves in streptozotocin- induced diabetes in rats. *J Basic Clin Physiol Pharmacol*, 1-9.
- Moslen, M. T. 2001. Toxic responses of the liver, dalam Klaassen, CD, Casarett and Doull's toxicology: the basic science of poisons, 6th Ed.
- Mukhriani. 2014. Ekstraksi, pemisahan senyawa, dan identifikasi senyawa aktif. *Jurnal Kesehatan*, 7(2), 361–367.
- Murray, G. K., Corlett, P. R., Clark, L., Pessiglione, M., Blackwell, A. D., Honey, G., dan Jones, P. B. 2008. How dopamine dysregulation leads to psychotic symptoms ? Abnormal mesolimbic and mesostriatal prediction error signalling in psychosis. 4184.
- Murray, R. ., D.K, G., dan V.W., R. 2009. Biokimia Harper, Ed ke-27, penerjemah Wulandari N., Terjemahan dari: Harper's Illustrated Biochemistry,27th ed. EGC.

- Muzumbukilwa, W. T., Nlooto, M., Mark, P., dan Owira, O. 2019. Hepatoprotective effects of *Moringa oleifera* Lam (Moringaceae) leaf extracts in streptozotocin-induced diabetes in rats. *Journal of Functional Foods*, 57(March), 75–82.
- Nuryanti, S., dan Pursitasari, D. 2014. Uji Kualitatif Senyawa Metabolit Sekunder Pada Daun Palado (Agave Angustifolia) Yang Diekstraksi Dengan Pelarut Air Dan Etanol. 3, 165–172.
- Odak, M., Douedi, S., Upadhyaya, V., Fadhel, M., dan Cosentino, J. 2020. Focal Neurological Seizure due to Hyperglycemic Hyperosmolar Non-Ketotic Syndrome in Undiagnosed Diabetes Mellitus. *Cureus*, 12(8), 10–13.
- Okoli, C., dan Schabram, K. 2010. Working Papers on Information Systems A Guide to Conducting a Systematic Literature Review of Information Systems Research. *Working Papers on Information Systems*, 10(2010).
- Onica, I. L. M., Ță, B. A. N. I., & Isoschi, C. ă. T. ă. L. G. A. P. 2016. *Hepatoprotective effect of Syringae vulgaris flos ethanolic extracts in streptozotocin-induced diabetes in rats*. 57(4), 1279–1284.
- Ozougwu, J. C., Obima, K. C., Belonwu, C. D., dan Unakalamba, C. B. 2013. No Title. *The Pathogenesis and Pathophysiology of Type 1 and Type 2 Diabetes Mellitus*, 4(4), 47–57.
- Rassem, H. H. A., Nour, A. H., dan Yunus, R. M. 2016. Techniques For Extraction Of Essential Oils From Plants: A Review. *Australian Journal Of Basic And Applied Science*, 10(16), 117–127.
- Rinawati, P., dan Chanif, C. 2020. Peningkatan Efektifitas Pola Napas Pada Pasien Ketoasidosis Diabetik. *Ners Muda*, 1(1), 50.
- Roden, M. 2016. Diabetes mellitus – Definition, Klassifikation und Diagnose. *Wiener Klinische Wochenschrift*, 128, 37–40.
- Sherlock, S., dan Dooley, J. 1993. Disease of the liver and biliary system (IX). Oxford: Blackwell Scientific Publications.
- Sadikin, M. 2002. Biokimia Enzim. Widya Medika.
- Safhi, M. M., Alam, M. F., Sivakumar, S. M., dan Anwer, T. 2019. *Hepatoprotective Potential of Sargassum muticum against STZ-Induced Diabetic Liver Damage in Wistar Rats by Inhibiting Cytokines and the Apoptosis Pathway*. 2019.
- Sahai, V., dan Kumar, V. 2020. Biocatalysis and Agricultural Biotechnology Anti

- diabetic , hepatoprotective and antioxidant potential of *Brassica oleracea* sprouts. *Biocatalysis and Agricultural Biotechnology*, 25(January), 101623.
- Salehi, B., Ata, A., Kumar, N. V. A., Sharopov, F., Ramírez-Alarcón, K., Ruiz-Ortega, A., Ayatollahi, S. A., Fokou, P. V. T., Kobarfard, F., Zakaria, Z. A., Iriti, M., Taheri, Y., Martorell, M., Sureda, A., Setzer, W. N., Durazzo, A., Lucarini, M., Santini, A., Capasso, R., ... Sharifi-Rad, J. 2019. Antidiabetic potential of medicinal plants and their active components. In *Biomolecules* (Vol. 9, Issue 10).
- Senanayake, N. 2013. Green tea extract: Chemistry, antioxidant properties and food applications-a review. *J Funct Foods*, 5(4), 1529–41.
- Sharma, B., Siddiqui, S., Ram, G., Chaudhary, M., dan Sharma, G. 2013. Hypoglycemic and Hepatoprotective Effects of Processed Aloe vera Gel in a Mice Model of Alloxan Induced Diabetes Mellitus. 4(9).
- Silverthorn, D. U. 2014. Fisiologi Manusia Sebuah pendekatan Terintegrasi. In *EGC*.
- Siswanto. 2010. Systematic Review Sebagai Metode Penelitian Untuk Mensintesis Hasil-Hasil Penelitian. *Buletin Penelitian Sistem Kesehatan*, 13(4), 326–333.
- Smeltzer, S., dan Bare, B. 2008. Text Book of Medical Surgical Nursing. Lippincott William & Wilkins.
- Snyder, H. 2019. Literature review as a research methodology : An overview and guidelines. *Journal of Business Research*, 104(July), 333–339.
- Sopian, Z. 2020. 10 Rekomendasi Situs Jurnal Internasional yang Terpercaya. Carisinal. <https://carisinal.com/situs-jurnal-internasional/>
- Sulaiman. 1997. Gastroenterologi Hepatologi. CV Sagung Seto.
- Sutawardana, J. H., Yulia, dan Waluyo, A. 2016. Studi Fenomenologi Pengalaman Penyandang Diabetes Melitus Yang Pernah Mengalami Episode Hipoglikemia. *Nurseline Journal*, 1(1), 159–175.
- Szkudelski, T. 2001. The Mechanism of alloxan and streptozotocin action in B cells of therat pancreas. *Physio. Res.*, 50(6), 537–546.
- Taghizadeh, M., Rashidi, A. A., Taherian, A. A., Vakili, Z., Taghizadeh, M., Rashidi, A. A., dan Taherian, A. A. 2017. *The Protective Effect of Hydroalcoholic Extract of Rosa canina (Dog Rose) Fruit on Liver Function and Structure in Streptozotocin-Induced Diabetes in Rats The Protective*

- Effect of Hydroalcoholic Extract of Rosa canina (Dog Rose) Fruit on Liver Function and Structure in. 0211(November).*
- Tolman, K. G., Fonseca, V., Dalpiaz, A., dan Tan, M. H. 2007. *Spectrum Of Liver Disease In Type 2 Diabetes And Management Of Patients Disease In Type 2.*
- Trefts, E., Gannon, M., dan Wasserman, D. H. 2017. The Liver. *Current Biology Magazine*, 1147–1151.
- Tri, S., & Sudiro. 2013. Pengaruh Senam Diabetik Terhadap Penurunan Resiko Ulkus Kaki Diabetik Pada Pasien DM Tipe 2 Di Perkumpulan Diabetik. *Jurnal Terpadu Ilmu Kesehatan*, 3(1), 99–105.
- Tumanggor, L. 2012. *Kelebihan Database SpringerLink*. Academia. https://www.academia.edu/42697336/Kelebihan_Database_SpringerLink
- Umniyah, I. L. 2007. Pengaruh Pemberian Teh Hijau (*Camellia sinensis* Kuntze) Terhadap Kadar Transminase (SGPT dan SGOT) pada Hepar Mencit (*Mus musculus*) Diabetes.
- Wang, H., Liu, S., Cui, Y., Wang, Y., Guo, Y., Wang, X., Liu, J., & Piao, C. 2021. Hepatoprotective effects of flavonoids from common buckwheat hulls in type 2 diabetic rats and HepG2 cells. *September 2020*, 4793–4802.
- Wasmund, N., Topp, I., dan Schories, D. 2006. Optimising the storage and extraction of chlorophyll samples. *Oceanologia*, 48(1), 125–144.
- WHO. 2014. *Global Report On Diabetes*.
- Wibowo, S. 2015. *Tanaman Sakit Tumpas Macam-macam Penyakit*. Pustaka Makmur.
- Widiastuti, A. 2012. Efektifitas Edukasi Terstruktur Berbasis Teori Perilaku Terencana Terhadap Pemberdayaan Dan Kualitas Hidup Pasien Penyakit Jantung Koroner Di Rumah Sakit Pondok Indah Jakarta. 24–25.
- Wilson, G. 1988. Mechanism of nitrourate induced beta cell damage. activation of poly (adp-ribose) syntase and cellular distribution. *Diabetes*, 37., 213–216.
- Winarsi, H. 2007. Antioksidan Alami dan Radikal Bebas. Kanisius.
- Yeum, K. ., Russell, R. ., Krinsky, N. ., dan Aldini, G. 2004. Biomarkers of antioxidant capacity in the hydrophilic and lipophilic compartments of human plasma. *Biochemistry Biophysics*, 430, 97–10.
- Zatalia, R. 2013. The Role of Antioxidants in the Pathophysiology,

Complications, and Management of Diabetes Mellitus. *Acta Medica Indonesiana - The Indonesian Journal of Internal Medicine*, 45(2), 141–147.

Zhu, X., Ouyang, W., Lan, Y., Xiao, H., Tang, L., Liu, G., & Feng, K. 2020. Food Bioscience Anti-hyperglycemic and liver protective effects of flavonoids from *Psidium guajava* L . (guava) leaf in diabetic mice. *Food Bioscience*, 35(February 2019), 100574.