

## DAFTAR PUSTAKA

- Abbas, AK, Lichtman, AH, & Pillai, S. (2018). *Cellular and Molecular Immunology*. 9<sup>th</sup> edn. Philadelphia: Elsevier.
- Abou Assi, R, Darwis, Y, Abdulbaqi, IM, Khan, AA, Vuanghao, L, & Laghari, M. (2017). *Morinda citrifolia (Noni): A comprehensive review on its industrial uses, pharmacological activities, and clinical trials*. Arabian Journal of Chemistry, Volume 10(5), pp. 691-707.
- Ahmad, AN, Mat Daud, ZA, & Ismail, A. (2016). *Review on potential therapeutic effect of Morinda citrifolia L*. Current Opinion in Food Science, Volume 8, pp. 62-67.
- Akash, MS, Rehman, K, Fiayyaz, F, Sabir, S, & Khurshid, M. (2020). *Diabetes-associated infections: Development of antimicrobial resistance and possible treatment strategies*. Archives of Microbiology, Volume 202(5), pp. 953-965.
- Ali, M, Kenganora, M, & Manjula, SN. (2016). *Health benefits of Morinda citrifolia (Noni): A review*. Pharmacognosy Journal, Volume 8(4), pp. 321-334.
- Al-Hajj, NQ, Algabr, M, Sharif, HR, Aboshora, W, & Wang, H. (2016). *In Vitro and in Vivo Evaluation of Antidiabetic Activity of Leaf Essential Oil of Pulicaria inuloides-Asteraceae*. Journal of Food and Nutrition Research, Volume 4(7), pp. 461-470.
- Almeida, ES, De Oliveira, D, & Hotza, D. (2019). *Properties and Applications of Morinda citrifolia (Noni): A Review*. Comprehensive Reviews in Food Science and Food Safety, Volume 8(1), pp. 883-909.
- Anwar, K, Sudarsono, & Nugroho, AE. (2015). *Aktivitas penurunan kadar glukosa darah ekstrak etanol buah mengkudu ( Morinda citrifolia L .) pada tikus yang diinduksi streptozotosin*. Prosiding Seminar Nasional & Workshop “Perkembangan Terkini Sains Farmasi & Klinik”, Padang, 6-7 November, pp. 225–231.
- Baidal, DA, & Skyler, JS. (2019). ‘Diabetes Mellitus’ In Lavin, N. (ed.). *Manual of Endocrinology and Metabolism*. 5<sup>th</sup> edn. Philadelphia: Wolters Kluwer Health.
- Berbudi, A, Rahmadika, N, Tjahjadi, AI, & Ruslami, R. (2019). *Type 2 Diabetes and its Impact on the Immune System*. Current Diabetes Reviews, Volume 16(5), pp. 442–449.

- Bhat, MY, Solanki, HS, Advani, J, Khan, AA, Keshava Prasad, TS, Gowda, H, & Chatterjee, A. (2018). *Comprehensive network map of interferon gamma signaling*. *Journal of Cell Communication and Signaling*, Volume 12(4), pp. 745-751.
- Brashers, VL, Jones, RE, & Huether, SE. (2019). 'Alterations of Hormonal Regulation' In McCance, KL, & Huether, SE. (eds.). *Pathophysiology: The Biologic Basis for Disease in Adults and Children* .8<sup>th</sup> edn. Canada: Elsevier Health Sciences.
- Byun, K, Yoo, Y, Son, M, Lee, J, Jeong, G, Park, YM, Salekdeh, GH, & Lee, B. (2017). *Advanced glycation end-products produced systemically and by macrophages: A common contributor to inflammation and degenerative diseases*. *Pharmacology & Therapeutics*, Volume 177, pp. 44-55.
- Castro, F, Cardoso, AP, Gonçalves, RM, Serre, K, & Oliveira, MJ. (2018). *Interferon-Gamma at the Crossroads of Tumor Immune Surveillance or Evasion*. *Frontiers in immunology*, Volume 9, pp. 1-19.
- Daryabor, G, Atashzar, MR., Kabelitz, D, Meri, S, & Kalantar, K. (2020). *The Effects of Type 2 Diabetes Mellitus on Organ Metabolism and the Immune System*. *Frontiers in immunology*, Volume 11, pp. 1-22
- Deeds, MC, Anderson, JM, Armstrong, AS, Gastineau, DA, Hiddinga, HJ, Jahangir, A, Eberhardt, NL, & Kudva, YC. (2011). *Single dose streptozotocin-induced diabetes: considerations for study design in islet transplantation models*. *Laboratory animals*, Volume 45(3), pp. 131–140.
- de Sousa, BC, Machado, JR, Da Silva, MV, Da Costa, TA, Lazo-Chica, JE, Degasperi, TD, & Freire Oliveira, CJ. (2017). *Morinda citrifolia (Noni) fruit juice reduces inflammatory cytokines expression and contributes to the maintenance of intestinal mucosal integrity in DSS experimental colitis*. *Mediators of Inflammation*, Volume 2017, pp. 1-10.
- Fachinan, R, Yessoufou, A, Nekoua, MP, & Moutairou, K. (2017). *Effectiveness of Antihyperglycemic effect of Momordica charantia: Implication of T-cell cytokines*. *Evidence-Based Complementary and Alternative Medicine*, Volume 2017(12), pp. 1-8.
- Funk, JL. (2019). 'Disorders of the Endocrine Pancreas' In Hammer, GD & McPhee, SJ. (eds.). *Pathophysiology of Disease: An Introduction to Clinical Medicine*. 8<sup>th</sup> edn. New York: McGraw-Hill Education.

- Hedrich, HJ. (2006). 'Taxonomy and Stocks and Strains' In Suckow, MA, Weisbroth, SA, & Franklin, CL. (eds). *The Laboratory Rat*. 2<sup>nd</sup> edn. California: Elsevier.
- Inada, A, Figueiredo, P, Santos-Eichler, R, Freitas, K, Hiane, P, Castro, A, & Guimarães, R. (2017). *Morinda citrifolia* Linn. (Noni) and its potential in obesity-related metabolic dysfunction. *Nutrients*, Volume 9(6), pp. 1-29.
- International Diabetes Federation. (2019). *IDF Diabetes Atlas*. 9<sup>th</sup> edn. Brussels: International Diabetes Federation.
- Ivashkiv, LB. (2018). IFN $\gamma$ : Signalling, epigenetics and roles in immunity, metabolism, disease and cancer immunotherapy. *Nature Reviews Immunology*, Volume 18(9), pp. 545-558.
- Kak, G, Raza, M, & Tiwari, BK. (2018). *Interferon-gamma (IFN- $\gamma$ ): Exploring its implications in infectious diseases*. *Biomolecular Concepts*, Volume 9(1), 64-79.
- Kementerian Kesehatan RI. (2018). *Laporan Nasional Riskesdas 2018*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan.
- King, A. J. F., Estil-les, E. and Montanya, E. (2020) 'Use of Streptozotocin in Rodent Models of Islet Transplantation', In King, A. J. F. (ed.) *Animal Models of Diabetes : Methods and Protocols*. London: Springer.
- Kohn, DF, & Clifford, CB. (2002). 'Biology and Diseases of Rats', In Fox, JG, Anderson, LC, Loew, FM, & Quimby, FW.(eds.). *Laboratory Animal Medicine*. 2<sup>nd</sup> edn. California: Academic Press.
- Li, J, Shangguan, H, Chen, X, Ye, X, Zhong, B, Chen, P, Wang, Y, Xin, B, Bi, Y, & Zhu, D. (2020). *Advanced glycation end product levels were correlated with inflammation and carotid atherosclerosis in type 2 diabetes patients*. *Open Life Sciences*, Volume 15(1), pp. 364–372.
- Mathebula, SD. (2015). *Polyol pathway: A possible mechanism of diabetes complications in the eye*. *African Vision and Eye Health*, Volume 74(1), pp. 1–5.
- Metz, CN, Hudson, LK, & Pavlov, VA. (2017). *Rodent Models of Diabetes*. In Poretzky, L. (ed.). *Principles of Diabetes Mellitus*. 3<sup>rd</sup>edn. New York: Springer.
- Morris, R, Kershaw, NJ, & Babon, JJ. (2018). *The molecular details of cytokine signaling via the JAK/STAT pathway*. *Protein Science*, Volume 27(12), pp. 1984-2009.

- Motyl, K, & McCabe, LR. (2009). *Streptozotocin, type I diabetes severity and bone*. Biological procedures online, Volume 11, pp. 296-315.
- Mownika, S, Ramya, EK, & Sharmila, S. (2020). *Anatomical And Histochemical Characteristics Of Morinda Citrifolia L. (Rubiaceae)*. International Journal of Pharmaceutical Sciences and Research, Volume 11(2), 669-677.
- O'Shea, JJ, Gadina, M, & Siegel, RM. (2019). 'Cytokines and Cytokine Receptors' In Rich, RR, Fleisher, TA, Shearer, WT, Schroeder, HW, Frew, AJ, & Weyand, CM. (eds.). *Clinical Immunology: Principles and Practice*. 5<sup>th</sup> edn. Philadelphia: Elsevier.
- Pandey, S, & Dvorakova, MC. (2020). *Future Perspective of Diabetic Animal Models*. Endocrine, Metabolic & Immune Disorders Drug Targets, Volume 20(1), pp. 25–38.
- Punthakee, Z, Goldenberg, R, & Katz, P. (2018). *Definition, Classification and Diagnosis of Diabetes, Prediabetes and Metabolic Syndrome*. Canadian Journal of Diabetes, Volume 42, pp. S10–S15.
- Reynaert, NL, Gopal, P, Rutten, EA, Wouters, EM, & Schalkwijk, CG. (2016). *Advanced glycation end products and their receptor in age-related, non-communicable chronic inflammatory diseases; Overview of clinical evidence and potential contributions to disease*. The International Journal of Biochemistry & Cell Biology, Volume 81, pp. 403–418.
- Rodwell, VW, Bender, DA, Botham, KM, Weil, PA, & Kennelly, PJ. (2018). *Harper's Illustrated Biochemistry*. 31<sup>st</sup> edn. Philadelphia: McGraw Hill Education.
- Seif, F, Khoshmirisafa, M, Aazami, H, Mohsenzadegan, M, Sedighi, G, & Bahar, M. (2017). *The role of JAK-STAT signaling pathway and its regulators in the fate of T helper cells*. Cell Communication and Signaling, Volume 15(1), pp. 1-13
- Shen CY, Wu CH, Lu CH, Kuo YM, Li KJ, Hsieh SC, & Yu CL. (2020). *Advanced glycation end products of bovine serum albumin suppressed Th1/Th2 cytokine but enhanced monocyte IL-6 gene expression via MAPK-ERK and MyD88 transduced NF-kappaB p50 signaling pathways*. Molecules, Volume 24(13), pp. 1-17.
- Shen, CY., Lu, CH, Wu, CH, Li, KJ, Kuo, YM., Hsieh, SC, & Yu, CL. (2020). *The Development of Maillard Reaction, and Advanced Glycation End Product (AGE)-Receptor for AGE (RAGE) Signaling Inhibitors as Novel*

*Therapeutic Strategies for Patients with AGE-Related Diseases*. *Molecules*, Volume 25(23), pp. 1-30.

- Shomer, NH, Allen-Worthington, KH, Hickman, DL, Jonnalagadda, M, Newsome, JT, Slate, AR, Valentine, H, Williams, AM, & Wilkinson, M. (2020). *Review of Rodent Euthanasia Methods*. *Journal of the American Association for Laboratory Animal Science*, Volume 59(3), pp. 242–253.
- Sogandi & Rabima (2019). *Identifikasi Senyawa Aktif Ekstrak Buah Mengkudu (Morinda citrifolia L.) dan Potensinya sebagai Antioksidan*. *Jurnal Kimia Sains dan Aplikasi*, Volume 22(5), pp. 206–212.
- Song, Q, Liu, J, Dong, L, Wang, X, & Zhang, X. (2021). *Novel advances in inhibiting advanced glycation end product formation using natural compounds*. *Biomedicine & Pharmacotherapy*, Volume 140, pp. 1-11.
- Vlassara, H, & Striker, GE. (2017). *Advanced Glycation Endproducts (AGEs) and Chronic Complications in Diabetes*. In Poretzky, L. (ed.). *Principles of Diabetes Mellitus*. 3<sup>rd</sup> edn. New York: Springer.
- Volpe, C, Villar-Delfino, PH, Dos Anjos, P, & Nogueira-Machado, JA. (2018). *Cellular death, reactive oxygen species (ROS) and diabetic complications*. *Cell death & disease*, Volume 9(2), pp. 1-9.
- West, B, Jensen, C, Westendorf, J, & White, L. (2006). *A safety review of Noni fruit juice*. *Journal of Food Science*, Volume 71(8), pp. R100-R106.
- Wolfensohn, S, & Lloyd, M. (2003). *Handbook of Laboratory Animal Management and Welfare*. 3<sup>rd</sup> edn. Oxford: Blackwell Publishing.
- World Health Organization. (2016). *Global Report on Diabetes*. France: World Health Organization.
- Zaid, H, Tamrakar, AK, Razzaque, MS, & Efferth, T. (2018). *Diabetes and metabolism disorders medicinal plants: A glance at the past and a look to the future 2018*. *Evidence-Based Complementary and Alternative Medicine*, Volume 2018, p. 1.