

DAFTAR PUSTAKA

1. International Diabetes Federation. Diabetes Atlas 10th edition [Internet]. IDF Diabetes Atlas 10th edition. 2021 [cited 2024 Jun 22]. Available from: www.diabetesatlas.org
2. Goyal R, Singhal M. Diabetes Mellitus Type 2. StatPearls. 2023;
3. Sun H, Saeedi P, Karuranga S, Pinkepank M, Ogurtsova K, Duncan BB, et al. IDF Diabetes Atlas: Global, regional and country-level diabetes prevalence estimates for 2021 and projections for 2045. *Diabetes Res Clin Pract.* 2022;183:1–23.
4. Mouri M, Badireddy M. Hyperglycemia. StatPearls. 2023;
5. Galicia-garcia U, Benito-vicente A, Jebari S, Larrea-sebal A. *Costus ignus*: Insulin plant and it's preparations as remedial approach for diabetes mellitus. *Int J Mol Sci.* 2020;1–34.
6. Darenskaya MA, Kolesnikova LI, Kolesnikov SI. Oxidative Stress: Pathogenetic Role in Diabetes Mellitus and Its Complications and Therapeutic Approaches to Correction. *Bull Exp Biol Med.* 2021;171(2):179–89.
7. Bare Y. Profil Gen IL-10 dan Ekspresi Protein IL-10 pada Tikus (*Rattus norvegicus*) Model Diabetes Melitus Tipe 2 (DMT2). Vol. 66. Brawijaya University; 2018.
8. Rengganis I, Baratawidjaja KG. *Imunologi Dasar Edisi Ke-12*. Badan Penerbit Fakultas Kedokteran Universitas Indonesia; 2018.
9. Abhilasha, Mitra P, Suri S, Saxena I, Shukla RKG, Shukla KK, et al. Downregulation of interleukin-10 receptor (IL-10R) along with low serum IL-10 levels in newly diagnosed type 2 diabetes mellitus patients. *Gene Rep.* 2021;24(March):101251.
10. Alam S, Sarker MMR, Sultana TN, Chowdhury MNR, Rashid MA, Chaity NI, et al. Antidiabetic Phytochemicals From Medicinal Plants: Prospective Candidates for New Drug Discovery and Development. *Front Endocrinol (Lausanne).* 2022;13(February).
11. Udayani NNW, Wardani IGA, Nida IDAAY. Side Effects Evaluation of the Use of Metformin and Glimepiride Combination In Type 2 Diabetes Mellitus Outpatients. *Jurnal Ilmiah Medicamento.* 2022;8(2):99–103.
12. Kurniawan D, Syamtoni IP, Firmansyah T, Aisyah S, Ali H. Pengaruh Pemberian Ekstrak Buah Pohon Andalas (*Morus macraura* Miq.) Terhadap Ekspresi Gen ET-1 Pada Tikus Model Aterosklerosis. 2022;45(4).

13. Rodrigues EL, Marcelino G, Silva GT, Figueiredo PS, Garcez WS, Corsino J, et al. Nutraceutical and medicinal potential of the *Morus* species in metabolic dysfunctions. *Int J Mol Sci.* 2019;20(2).
14. Memete AR, Timar AV, Vuscan AN, Miere F, Venter AC, Vicas SI. Phytochemical Composition of Different Botanical Parts of *Morus* Species, Health Benefits and Application in Food Industry. *Plants.* 2022;11(2).
15. Kim JM. Induction of Diabetes Mellitus Using Alloxan in Sprague Dawley Rats. *Cureus.* 2024 Jun 28;
16. Decroli E. Diabetes Melitus Tipe 2. Vol. 44, Universitas Andalas. Padang: Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran; 2019. 1–65 p.
17. Perkumpulan Endokrinologi Indonesia (PERKENDI). Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2021. Jakarta: PB PERKENDI; 2021. 46 p.
18. Lucier J, Mathias. PM. Type 1 Diabetes. *StatPearls [Internet].* 2024;
19. Powers AC. Type 1 diabetes mellitus: Much progress, many opportunities. *Journal of Clinical Investigation.* 2021;131(8):1–10.
20. Zajec A, Trebušak Podkrajšek K, Tesovnik T, Šket R, Čugalj Kern B, Jenko Bizjan B, et al. Pathogenesis of Type 1 Diabetes: Established Facts and New Insights. *Genes (Basel).* 2022;13(4).
21. Durruty P, Sanzana M, Sanhueza L. Molecular pathogenesis of type 2 diabetes mellitus. *IntechOpen.* 2019;71(11):1281–98.
22. Mizukami H, Kudoh K. Diversity of pathophysiology in type 2 diabetes shown by islet pathology. *J Diabetes Investig.* 2022;13(1):6–13.
23. Yang B, Li J, Haller MJ, Schatz DA, Rong L. The progression of secondary diabetes: A review of modeling studies. *Front Endocrinol (Lausanne).* 2022;13(December):1–16.
24. Freeman AM, Acevedo LA, Pennings N. Insulin Resistance. *StatPearls [Internet].* 2023;
25. Modzelewski R, Stefanowicz-rutkowska MM, Matuszewski W, Bandurska-stankiewicz M. Gestational Diabetes Mellitus — Recent Literature Review. 2022;1–14.
26. Sweeting A, Wong J, Murphy HR, Ross GP. A Clinical Update on Gestational Diabetes Mellitus. *Endocr Rev.* 2022;43(5):763–93.
27. Susanto JP. Maturity-onset diabetes of the young. *Continuing Medical Education IDI.* 2014;41(12):463–76.

28. Carlsson S. Etiology and pathogenesis of latent autoimmune diabetes in adults (LADA) compared to type 2 diabetes. *Front Physiol.* 2019;10(MAR).
29. Sacks DB, Arnold M, Bakris GL, Bruns DE, Horvath AR, Lernmark Å, et al. Executive Summary: Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus. *Diabetes Care.* 2023;46(10):1740–6.
30. Widiasari KR, Wijaya IMK, Suputra PA. Diabetes Melitus Tipe 2: Faktor Risiko, Diagnosis, Dan Tatalaksana. *Ganesha Medicine.* 2021;1(2):114.
31. Decroli E. Diabetes Melitus Tipe 2. Vol. 44, Universitas Andalas. Padang: Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran; 2019. 1–65 p.
32. Giri B, Dey S, Das T, Sarkar M, Banerjee J, Dash SK. Chronic hyperglycemia mediated physiological alteration and metabolic distortion leads to organ dysfunction, infection, cancer progression and other pathophysiological consequences: An update on glucose toxicity. *Biomedicine and Pharmacotherapy* [Internet]. 2018;107(July):306–28. Available from: <https://doi.org/10.1016/j.biopha.2018.07.157>
33. Neumann C, Scheffold A, Rutz S. Functions and regulation of T cell-derived interleukin-10. *Elsevier* [Internet]. 2019;44(October):101344. Available from: <https://doi.org/10.1016/j.smim.2019.101344>
34. Yang X, Lin G, Han Z, Chai J. *Structural Immunology*. Vol. 1172, Springer Advances in Experimental Medicine and Biology. Springer; 2019. 119–141 p.
35. Sutrisman IP. Pengaruh Pemberian Sekretom Hypoxia Mesenchymal Stem Cells Terhadap Kadar IL-10. Vol. 10. Universitas Islam Sultan Agung Semarang; 2022.
36. Yang K, Zhang Y, Ding J, Li Z, Zhang H, Zou F. Autoimmune CD8+ T cells in type 1 diabetes: from single-cell RNA sequencing to T-cell receptor redirection. *Front Endocrinol (Lausanne).* 2024;15(May):1–20.
37. Mormile R. Primary open angle glaucoma in type 2 diabetes: Implications of the IL-10/STAT3-mediated anti-inflammatory response? *Immunol Lett.* 2016;179:131–2.
38. Cevey AC, Penas FN, Alba Soto CD, Mirkin GA, Goren NB. IL-10/STAT3/SOCS3 axis is involved in the anti-inflammatory effect of benznidazole. *Front Immunol.* 2019;10(JUN):1–13.
39. Huang Z, Chen J, Wang J. T cell-mediated adaptive immunity in type 2 diabetes mellitus [Internet]. 2024. Available from: <https://www.authorea.com/users/760433/articles/735950-t-cell-mediated->

adaptive-immunity-in-type-2-diabetes-mellitus?commit=28d6171e017e91d751704d84e0de624c1ff787ac

40. Kamilah N, Hakim R, Purnomo Y. Efek Ekstrak Etanol Daun Gedi Merah (*Abelmoschus manihot* (L.) Medik) Terhadap Persentase Interleukin-10 (IL-10) dan Sel T Sitotoksik (Cd8+) Tikus Model Diabetes Tipe II. *Jurnal Kesehatan Islam : Islamic Health Journal*. 2020;8(1):25.
41. Kementerian Lingkungan Hidup dan Kehutanan. Prosiding Workshop Improving Appre Prosiding Workshop Ciation and Awareness On Conservation of High Value Indigenous Wood Species of Sumatra [Internet]. In Riau; 2023.
42. Alhadi D, Zulmardi. Sebaran Spasial Andalas (*Morus Macroura* Miq.) Di Kawasan Hutan Konservasi Taman Nasional Kerinci Seblat. *Strofor Journal* [Internet]. 2021;5(1):694–704.
43. Jasmansyah. Fitokimia, Aktivitas Sitotoksik dan Antimikroba Metabolit Sekunder dari Kulit Batang dan Kultur Akar *Morus macroura* Miq (ANDALAS). Bandung: Institut Teknologi Bandung; 2019.
44. Jasmansyah, Hakim Euis H, Syah Yana M. Antibacterial constituents from *Morus macroura*. *Res J Chem Environ*. 2019;23(11):37–40.
45. Hamdan DI, Hafez SS, Hassan WHB, Morsi MM, Khalil HMA, Ahmed YH, et al. Chemical profiles with cardioprotective and anti-depressive effects of: *Morus macroura* Miq. leaves and stem branches dichloromethane fractions on isoprenaline induced post-MI depression. *RSC Adv*. 2022;12(6):3476–93.
46. Pizzino G, Irrera N, Cucinotta M, Pallio G, Mannino F, Arcoraci V, et al. Oxidative Stress: Harms and Benefits for Human Health. *Oxid Med Cell Longev*. 2017;2017.
47. Shrikanta A, Kumar A, Govindaswamy V. Resveratrol content and antioxidant properties of underutilized fruits. *J Food Sci Technol*. 2015;52(1):383–90.
48. Choi DW, Cho SW, Lee SG, Choi CY. The beneficial effects of morusin, an isoprene flavonoid isolated from the root bark of morus. *Int J Mol Sci*. 2020;21(18):1–18.
49. Khalifa I, Zhu W, Li K kai, Li C mei. Polyphenols of mulberry fruits as multifaceted compounds: Compositions, metabolism, health benefits, and stability—A structural review. *J Funct Foods*. 2018;40(October 2017):28–43.
50. Hago S, Mahrous EA, Moawad M, Abdel-Wahab S, Abdel-Sattar E. Evaluation of antidiabetic activity of *Morus nigra* L. and *Bauhinia variegata* L. leaves as Egyptian remedies used for the treatment of diabetes. *Nat Prod Res*. 2021;35(5):829–35.

51. Zheng ZP, Cheng KW, Zhu Q, Wang XC, Lin ZX, Wang M. Tyrosinase inhibitory constituents from the roots of *Morus nigra*: A structure-activity relationship study. *J Agric Food Chem*. 2010;58(9):5368–73.
52. Panzhinskiy E, Ren J, Nair S. Protein Tyrosine Phosphatase 1B and Insulin Resistance: Role of Endoplasmic Reticulum Stress/Reactive Oxygen Species/Nuclear Factor Kappa B Axis. *PLoS One*. 2013;8(10).
53. Budiarti R. Penurunan Glukosa Darah dan Perbaikan Histopatologi Jaringan pada Kondisi Hiperoksia Hiperbarik Tikus yang Diinduksi Aloksan (Studi Eksperimental Laboratoris). 2019;1–43.
54. Dewanata PA, Mushlih M. Differences in DNA Purity Test Using UV-Vis Spectrophotometer and Nanodrop Spectrophotometer in Type 2 Diabetes Mellitus Patients. *Indonesian Journal of Innovation Studies*. 2021;15:1–10.
55. Barry JC, Shakibakho S, Durrer C, Simtchouk S, Jawanda KK, Cheung ST, et al. Hyporesponsiveness to the anti-inflammatory action of interleukin-10 in type 2 diabetes. *Nature Scientific Reports*. 2016;6:1–9.
56. Syah YM, Achmad SA, Ghisalberti EL, Hakim EH, Iman MZN, Makmur L, et al. Andalasin A, a new stilbene dimer from *Morus macroura*. *Elsevier*. 2000;71(6):630–5.

