

DAFTAR PUSTAKA

1. Jumiarni WO, Komalasari O. Eksplorasi Jenis dan Pemanfaatan Tumbuhan Obat pada Masyarakat Suku Muna di Permukiman Kota Wuna. *Tradit Med J*. 2017;22(1):45–56.
2. Wahidah LK, Rokiban A, Widodo S, Mainah DM, Yulianty, Kanedi M. Antibacterial Effects of Ethanolic Leaf Extracts of Bachang (*Mangifera foetida* Lour.) on *Streptococcus mutans*. *World J Pharm Res*. 2017;6(3):184–92.
3. Septa PE. Uji Aktivitas Antidiabetes Ekstrak Etanol 70% Daun Mangga Bacang (*Mangifera foetida* L.) Terhadap Tikus Putih Jantan Galur Sprague Dawley yang Dibebani Glukosa. Sekolah Tinggi Farmasi Muhammadiyah Tangerang; 2020.
4. Harsanti BD, Musfiroh I. Review Artikel: Pemanfaatan Daun Mangga (*Mangifera indica* L.) Sebagai Obat Herbal Untuk Diabetes Mellitus. *Farmaka*. 2019;17(3):33–40.
5. Kementerian Kesehatan RI. Riskesdas 2018 [Internet]. 2018 [cited 2021 Jul 11]. Available from: https://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-riskesdas-2018_1274.pdf
6. Maffettone A, Rinaldi M, Fontanella A. Postprandial hyperglycemia: a new frontier in diabetes management? *Ital J Med*. 2018;12(961):108–15.
7. Ariandi. Pengenalan Enzim Amilase (Alpha-Amilase) dan Reaksi Enzimatiknya Menghidrolisis Amilosa Pati Menjadi Glukosa. *J Din*. 2016;7(1):74–82.
8. Sola D, Rossi L, Schianca GPC, Maffioli P, Bigliocca M, Mella R, et al. Sulfonylureas and their use in Clinical Practice. *Arch Med Sci*. 2015;11(4):840–8.
9. Rena G, Hardie DG, Pearson ER. The mechanisms of action of metformin. *Diabetologia*. 2017;60(9):1577–85.
10. Thrasher J. Pharmacologic Management of Type 2 Diabetes Mellitus: Available Therapies. *Am J Med [Internet]*. 2017;130(6S):S4–17. Available

from: <http://dx.doi.org/10.1016/j.amjmed.2017.04.004>

11. Wells BG, DiPiro JT, Schwinghammer TL, DiPiro C V. Pharmacotherapy Handbook. Ninth Edit. AIAA Guidance, Navigation, and Control Conference. New York: McGraw Hill Education; 2015. 976 p.
12. Kazeem MI, Adamson J, Ogunwande I. Modes of Inhibition of α -Amylase and α -Glucosidase by Aqueous Extract of *Morinda lucida* Benth Leaf. Biomed Res Int. 2013;2013.
13. Retnaningtyas Y, Kristiningrum N, Renggani HD, Sary IP. Stability Indicating RP-HPLC for Quantification Mangiferin in Extract of Three Species Mango Leaves. Indones J Chem Sci Res [Internet]. 2020;8(2):15–20. Available from: <http://journal.unnes.ac.id/sju/index.php/ijcs>
14. Aba PE, Asuzu IU. Mechanism of Actions of some Bioactive Anti-diabetic Princeples from Phytochemical of Medicinal Plants: A Review. Indian J Nat Prod Resour. 2018;9(2):85–96.
15. Mathalaimutoo A. Aktivitas Antidiabetes Ekstrak Etanol Daun Mangga Bapang (*Mangifera indica* L. var. bapang) pada Tikus Galur Wistar yang Diinduksi Aloksan. Students e-Journal. 2012;1(1).
16. Yadav D, Yadav KS, Singh SP. Mango: Taxonomy and botany. 2018;7(2):3253–8.
17. Orwa C, Mutua A, R K, R J, Anthony S. Agroforestry Database: a tree reference and selection guide version 4.0 [Internet]. 2009. Available from: http://apps.worldagroforestry.org/treedb/AFTPDFS/Mangifera_foetida.pdf
18. CAB International. *Mangifera foetida* (bachang) [Internet]. 2019 [cited 2021 Jan 10]. Available from: <https://www.cabi.org/isc/datasheet/34502>
19. Lim T. *Mangifera foetida*. Edible Med Non-Medicinal Plants. 2012;1:82–6.
20. Lukmandaru G, Vembrianto K, Gazidy AA. Aktivitas Antioksidan Ekstrak Metanol Kayu *Mangifera indica* L., *Mangifera foetida* Lour, dan *Mangifera odorata* Griff. J Ilmu Kehutan. 2012;6(1):18–29.
21. Siswanty PW, Wibowo MA, Harlia. Aktivitas Toksisitas Antioksidan dan Antiinflamasi secara In Vitro dari Ekstrak Metanol Daun Mangga Bacang (*Mangifera foetida* L). J Kim Khatulistiwa. 2017;6(1):42–9.
22. Rijayanti RP. Uji Aktivitas Antibakteri Ekstrak Etanol Daun Mangga

- Bacang (*Mangifera foetida* L.) Terhadap *Staphylococcus aureus* Secara In Vitro. J Mhs PSPD FK Univ Tanjungpura. 2014;1(1).
23. Li H, Huang J, Yang B, Xiang T, Yin X, Peng W, et al. Mangiferin exerts antitumor activity in breast cancer cells by regulating matrix metalloproteinases, epithelial to mesenchymal transition, and β -catenin signaling pathway. *Toxicol Appl Pharmacol*. 2013;272(1):180–90.
 24. Ningsih DR, Zufahair, Mantari D. Ekstrak Daun Mangga (*Mangifera indica* L.) Sebagai Antijamur Terhadap Jamur *Candida Albicans* dan Identifikasi Golongan Senyawanya. *J Kim Ris*. 2017;2(1):61–8.
 25. Lauricella M, Emanuele S, Calvaruso G, Giuliano M, D'Anneo A. Multifaceted Health Benefits of *Mangifera indica* L. (Mango): The Inestimable Value of Orchards Recently Planted in Sicilian Rural Areas. *Nutrients*. 2017;9(5):525.
 26. Wahyuni T, Sari SP, Estuningtyas A, Freisleben HJ. Toksisitas Ekstrak Etanol *Mangifera foetida* L. sebagai Pengkelat Besi Ditinjau dari LD 50 dan Komponen Sel Darah. *Pharm Sci Res*. 2015;2(3):124–34.
 27. Setiawan E, Setyaningtyas T, Kartika D, Ningsih DR. Potensi Ekstrak Metanol Daun Mangga Bacang (*Mangifera foetida* L.) Sebagai Antibakteri Terhadap *Enterobacter aerogenes* dan Identifikasi Golongan Senyawa Aktifnya. *J Kim Ris*. 2017;2(2):108–17.
 28. Wong KC, Ong CH. Volatile Components of the Fruits of Bachang (*Mangifera foetida* Lour.) and Kuini (*Mangifera odorata* Griff.). *Flavour Fragr J*. 1993;8(3):147–51.
 29. Fitmawati, Khairunnisa, Resida E, Emrizal, Roza RM. The Secondary Metabolite Diversity Analysis of Three *Mangifera Foetida* L. Varieties Based on Liquid Chromatography-Mass Spectrometry (LC- MS). *J Phys Conf Ser*. 2019;1351(1).
 30. Aloisia Uron Leba M. Ekstraksi dan Real Kromatografi. Yogyakarta: Deepublish; 2017.
 31. Departemen Kesehatan Republik Indonesia. Farmakope Indonesia. IV. Jakarta: Departemen Kesehatan Republik Indonesia; 1995.

32. Saifudin A. Senyawa Alam Metabolit Sekunder Teori, Konsep, dan Teknik Pemurnian. Yogyakarta: Deepublish; 2014.
33. Departemen Kesehatan RI. Direktorat Jendral Pengawasan Obat dan Makanan. Parameter Standar Umum Ekstrak Tumbuhan Obat. Jakarta: Departemen Kesehatan; 2000.
34. Fatimah RN. Diabetes Melitus Tipe 2. Majority. 2015;4(5):93–101.
35. DiMeglio LA, Evans-Molina C, Oram RA. Type 1 diabetes. Lancet [Internet]. 2018;391(10138):2449–62. Available from: [http://dx.doi.org/10.1016/S0140-6736\(18\)31320-5](http://dx.doi.org/10.1016/S0140-6736(18)31320-5)
36. Sudoyo A, Setiyohadi B, Alwi I, Simadibrata M, Setiati S. Buku Ajar Ilmu Penyakit Dalam, Jilid III. Edisi ke-11. Jakarta: Interna Publishing; 2009.
37. Wild S, Roglic G, Green A, Sicree R, King H. Global prevalence of diabetes: estimates for the year 2000 and projections for 2030. Diabet Care. 2004;27(3):1047–53.
38. Galicia-Garcia U, Benito-Vicente A, Jebari S, Larrea-Sebal A, Siddiqi H, Uribe KB, et al. Pathophysiology of type 2 diabetes mellitus. Int J Mol Sci. 2020;21(17):1–34.
39. Mantsala P, Niemi J. Physiology and Maintenance. Oxford: Eolss Publisher; 2009.
40. Souza PM de, Magalhães P de O. Application of Microbial α -Amylase in Industry - a Review. Brazilian J Microbiol. 2010;41(4):850–61.
41. Rita Gomes A, A.P.Rocha-Santos T. Encyclopedia of Analytical Science. Elsevier; 2019. 271–277 p.
42. Oboh G, Akinyemi A, Ademiluyi A. Inhibition of alpha-amylase and alpha-glucosidase activities by ethanolic extract of *Telfairia occidentalis* (fluted pumpkin) leaf. Asian Pac J Trop Biomed. 2012;2(9):733–8.
43. Depkes RI. Pharmaceutical Care Untuk Penyakit Diabetes Melitus. Jakarta: Departemen Kesehatan Republik Indonesia; 2006.
44. Nugraha MR, Hasanah AN. Review Artikel: Metode Pengujian Aktivitas Antidiabetes. Farmaka. 2018;16(3):28–34.

45. Rohdiana D, Firmansyah A, Setiawati A, Yunita N. Uji Aktivitas Antidiabetes Ekstrak Etanol Teh Hijau pada Tikus Putih. *J Penelit Teh dan Kina*. 2012;15(1):32–9.
46. Susilawati E, Adnyana IK, Fisheri N. Aktivitas ekstrak etanol daun singawalang (*Petiveria alliacea* L.) dan fraksinya sebagai antidiabetes. *Kartika J Ilm Farm*. 2017;5(2):68–74.
47. Harmita. Analisis Fisikokimia, Potensiometri, dan Spektroskopi. Jakarta: EGC; 2014.
48. Dachriyanus. Analisis Struktur Senyawa Organik Secara Spektroskopi. Padang: Universitas Andalas; 2004.
49. Sayuti M. Pengaruh Perbedaan Metode Ekstraksi, Bagian Dan Jenis Pelarut Terhadap Rendemen Dan Aktifitas Antioksidan Bambu Laut (*Isis hippuris*). *Technol Sci Eng J*. 2017;1(3):166–74.
50. Kementerian Kesehatan RI. Farmakope Herbal Indonesia Edisi II. Jakarta: Kementerian Kesehatan RI; 2017.
51. Harborne JB. Metode Fitokimia: Penuntun Cara Modern Menganalisa Tumbuhan. Bandung: Penerbit ITB; 1987.
52. Kumar S, Venkateshwar C, Samuel G, Rao SG. Phytochemical Screening of some compounds from plant leaf extracts of *Holoptelea integrifolia* (Planch.) and *Celestrus emarginata* (Grah.) used by Gondu tribes at Adilabad District, Andhrapradesh, India. *Int J Eng*. 2013;2(8):65–70.
53. Wulandari L, Nugraha AS, Azhari NP. Penentuan Aktivitas Antioksidan dan Antidiabetes Ekstrak Daun Kepundung (*Baccaurea racemosa* Muell.Arg) secara In Vitro. *J Sains Farm Klin*. 2020;7(1):60–6.
54. Rakholiya K, Chanda S. Pharmacognostic, Physicochemical and Phytochemical Investigation of *Mangifera indica* L. var. Kesar leaf. *Asian Pac J Trop Biomed*. 2012;680–4.
55. Bhuana NPC, Wijayanti NPAD, Putra IGNAD. Perbedaan Karakterisasi dan Skrining Fitokimia Ekstrak Etanol Kulit Buah Manggis (*Garcinia mangostana* Linn) yang Diperoleh dari Kabupaten Tabanan dan Kabupaten Karangasem, Provinsi Bali. *J Kim*. 2013;7(2):195–201.
56. Meshram SS, Itankar PR, Patil AT. To Study Antidiabetic Activity of Stem

- Bark of *Bauhinia purpurea* Linn. J Pharmacogn Phytochem. 2013;2(1):171–5.
57. Pujiyanto S, Wijanarka, Raharja B, Anggraeni V. Aktivitas Inhibitor α -Amilase Ekstrak Etanol Tanaman Brotowali (*Tinospora crispa* L.). Bioma. 2019;21(2):91–9.
58. Taha MG, Khatlab AE, Ali HE, Dawood MAM. Production of Bio-Ethanol From Potato Starch Wastes by *Saccharomyces cerevisiae*. Egypt J Appl Sci. 2019;34(12):256–67.
59. Divakaran D, Chandran A, R PC. Comparative Study on Production of α -Amylase from *Bacillus licheniformis* Strains. Brazilian J Microbiol. 2011;42(2):1397–404.
60. Khairunnisa P. Pengembangan dan Validasi Metode Uji Aktivitas Inhibitor α -Amilase dari Ekstrak Metanol Daun Kopi Secara In Vitro. Universitas Jember; 2017.
61. Yoon S-H, Robyt JF. Study of the inhibition of four alpha amylase by acarbose and its 4IV- α -maltohexaosyl and 4IV- α -maltododecaosyl analogues. Carbohydr Res. 2003;338(19):1969–80.
62. Kulkarni VM, Ranthod VK. Exploring the potential of *Mangifera indica* leaves extract versus mangiferin for therapeutic application. Agric Nat Resour. 2018;52(2):155–61.
63. Martinez-Gonzalez AI, Díaz-Sánchez ÁG, de la Rosa LA, Bustos-Jaimes I, Álvarez-Parrilla E. Inhibition of α -amilase by flavonoids: Structure activity relationship (SAR). Spectrochim Acta Part A Mol Biomol Spectrosc. 2019;206:437–47.
64. Acosta J, Sevilla I, Salomon S, Nuevas L, Romero A, Amaro D. Determination of mangiferin solubility in solvents used in the biopharmaceutical industry. J Pharm Pharmacogn Res. 2016;4(2):49–53.
65. Srinivas K, King JW, Howard LR, Monrad JK. Solubility and solution thermodynamic properties of quercetin and quercetin dihydrate in subcritical water. J Food Eng. 2010;100(2):208–18.
66. Ivanovic V, Rancic M, Arsic B, Pavlovic A. Lipinski's rule of five, famous extensions and famous exceptions. Chem Naissensis. 2020;3(1):171–7.