

DAFTAR PUSTAKA

1. Atun S. Hubungan struktur dan aktivitas antioksidan beberapa senyawa resveratrol dan turunannya. FMIPA UNY. Yogyakarta.2008.
2. Cho NH, Whiting D, Forouhi N, Guariguata L, Hambleton I, Li R, Majeed A, *et al.* (2015). IDF diabetes atlas. Edisi ke 7. Brussels: International Diabetes Federation. hh. 12-28.
3. World Health Organization 2017. Diabetes. diakses 14 Agustus 2018, <http://www.who.int/en/news-room/fact-sheets/detail/diabetes>
4. Wells, Barbara G., J. T. DiPiro, T. L. Schwinghammer & C. V. DiPiro. 2-15. Pharmacotherapy handbook 1nth edition. New York: McGraw-Hill Education.
5. American Diabetes Association (ADA). 2017. Standards of medical care in diabetes-2017. The Journal of Clinical and Applied Research and Education. Supplement 1. Vol. 40: 51-5135.
6. International Diabetes Federation. 2017. IDF Diabetes Atlas – 8th Edition. <http://www.diabetesatlas.org/across-the-globe.html> diakses 14 Agustus 2018.
7. Handayani L, Riswati, Lestari D, Aimanah IU dan Ipa M (2013). Riset kesehatan dasar dalam angka provinsi Sumatera Barat RISKESDAS 2013. Jakarta: Lembaga Penerbitan Badan Litbangkes.
8. Tangvarasittichai, s. 2015. Oxidative stress, insulin resistance dyslipidemia and type 2 diabetes mellitus. World Journal of Diabetes. 6(3): 456-480.
9. Holt, R. I. G., C. Cockram, A. Flyvbjerg, dan Barry J. Goldstein. 2016. Textbook of Diabetes Fifth Edition. Voorhees: John Wiley & Sons.
10. Maritim, A. C., R. A. Sanders, dan J. B. Watkins III. 2003. Diabetes, oxidative stress, and antioxidants: a review. Journal of Biochem Molecular Toxicology. 17(1): 24-38.
11. Salway, J. G. 2012. Medical Biochemistry at a Glance. Third Edition. West Sussex: John Wiley & Sons.
12. Szendroedi, J., E. Phielix, dan M. Roden. 2012. The role of mitochondria in insulin resistance and type 2 diabetes mellitus. Nature Reviews Endocrinology. 8(2): 92- 103
13. Nurman A. Perlemakan hati non alkoholik. Universa Med.2016;26(4):205-15
14. Bedogni G, Bellentani S. Fatty liver: how frequent is it and why? Ann Hepatol Off J Mex Assoc Hepatol. 2004;3(2):63–5
15. Donne, I.D., Rossi, R., Colombo, R., Giustarini D., & Milzani A. 2006. Biomarker of oxidative damage in human disease. Clinical Chemistry, Vol.52

- (4): 601-623.
16. Marra, G., P. Cotroneo, D. Pitocco, A. Manto, M. A. S. Di Leo, V. Ruotolo, S. Caputo, B. Giardina, G. Ghirlanda, dan S. A. Santini. 2002. Early increase of oxidative stress and reduced antioxidant defenses in patients with uncomplicated type 1 diabetes: a case for gender difference. *Diabetes Care*. 25(2): 370-375.
17. A'raaf M, Andry SP, Rizkia AW, Ansori FA, Nadiaskara SN. Uji Manfaat K-DGamb : Kawa Daun Gambir (*Uncaria gambir*) sebagai Antidiabetes yang Prospektif; Suatu Analisis *In-vivo* terhadap Mencit (*Mus musculus*) Diinduksi Aloksan[PKM].Padang:Fakultas Kedokteran Universitas Andalas;2016.
18. Sabarni. Teknik pembuatan gambir (*Uncaria gambir Roxb.*) secara tradisional. *Journal of Islamic Science and Technology*. 2015;1:105-111.
19. Edward Z. 2009. The function utilization of gambier (*Uncaria gambir*) as the hepatoprotector. *J. Ris. Kim*. 2 (2):1-7.
20. Novita R, Kasim A, Anggraini T, Putra DP.Survei Proses Pembuatan Kahwa Daun di Propinsi Sumatera Barat.Padang:Fakultas Pertanian Universitas Andalas;2017.
21. Fahrudin F, Solihin Duryadi D, Kusumorini N, Ningsih S. Efektifitas Ekstrak Gambir (*Uncaria gambir* (Hunter) Roxb.) sebagai Hepatoprotektor pada Tikus (*Rattus norvegicus L.*) yang Diinduksi CCl₄. *J Ilmu Kefarmasian Indones*. 2015;13(2):115–22.
22. Sari LS.Pengaruh Isolat Katekin Gambir (*Uncaria gambir Roxb.*) Terhadap Kadar Triasilgliserol Tikus (*Rattus novergicus*)[skripsi].Padang:Fakultas Kedokteran Universitas Andalas;2017.
23. Al Birru AB. Pengaruh Isolat Katekin Gambir (*Uncaria gambir Roxb.*) Terhadap Kadar Kolesterol Total Serum Tikus (*Rattus novergicus*)[skripsi].Padang:Fakultas Kedokteran Universitas Andalas;2017.
24. Depkes RI. 2005. Pharmaceutical care untuk penyakit diabetes melitus: 1-85.
25. Goldstein, B. J., dan D. Muller-Wieland. 2007. Type 2 Diabetes: Principles and Practice. Second Edition. Boca Raton: CRC Press.
26. Lanywati, E. 2001. Diabetes Mellitus: Penyakit Kencing Manis. Yogyakarta: Kanisius.
27. Rui, L. 2014. Energy metabolism in the liver. *Comprehensive Physiology*. 4: 177-197.
28. Rizza, R. A. 2010. Pathogenesis of fasting and postprandial hyperglycemia in type 2 diabetes: implications for therapy. *Diabetes*. 59: 2697-2707.
29. Consoli, A. 1992. Role of liver in pathophysiology of NIDDM. *Diabetes Care*.

15(3): 430-441.

30. Poretsky, L. 2010. Principles of Diabetes Mellitus. Second Edition. New York: Springer Science & Business Media.
31. Tripathy, B. B., H. B. Chandalia, A. K. Das, P. V. Rao, S. V. Madhu, dan V. Mohan. 2012. RSSDI: Textbook of Diabetes Mellitus. Second Edition. New Delhi: Jaypee Brothers Medical Publishers.
32. Roberts, C. K., dan K. K. Sindhu. 2009. Oxidative stress and metabolic syndrome. Life Science. 84(21-22): 705-712.
33. Johansen, J. S., A. K. Harris, D. J. Rychly, dan A. Ergul. 2005. Oxidative stress and the use of antioxidants in diabetes: Linking basic science to clinical practice. Cardiovascular Diabetology. 4(5): 1-11.
34. Ali, M. 2015. A New Approach in Type 2 Diabetes Mellitus Treatment: Evaluation of the Beneficial Effect of L-cysteine in the Treatment of Type 2 Diabetes Mellitus. Hamburg: Anchor Academic Publishing.
35. Foretz, M., B. Guigas, L. Bertrand, M. Pollak, dan B. Viollet. 2014. Metformin: from mechanism of action to therapies. Cell Metabolism. 20(6): 953-966.
36. Viollet, B., B. Guigas, N. S. Garcia, J. Leclerc, M. Foretz, dan F. Andreelli. 2012. Cellular and molecular mechanisms of metformin:an overview. Clinical Science. 122: 253-270.
37. Dyken, J. A., dan Y. Will. 2008. Drug-induced Mitochondrial Dysfunction. New Jersey: John Wiley & Sons.
38. Koda-Kimble, M. A., L. Y. Young, B. K. Alldredge, R. L. Corelli, B. J. Guglielmo, W. A. Kradjan, dan B. R. Williams. 2009. Applied Therapeutics: The Clinical Use Of Drugs. Ninth Edition. Philadelphia: Lippincott Williams & Wilkins.
39. Esteghamati, A., D. Eskandari, H. Mirmiranpour, S. Noshad, M. Mousavizadeh, M. Hedayati, dan M. Nakhjavani. 2012. Effects of metformin on markers of oxidative stress and antioxidant reserve in patients with newly diagnosed type 2 diabetes: a randomized clinical trial. Clinical Nutrition. 32(2): 179-185.
40. Chow, C. K. 2007. Fatty Acids in Foods and their Health Implications, Third Edition, Food Science and Technology. Boca Raton: CRC Press.
41. Maria, L & Priscilla M.C. 2003. Oxidative stress, exercise, and antioxidant supplementation. Journal Toxicology, Vol. 189: 41-45.
42. Li, Y. R. 2012. Free Radical Biomedicine: Principles, Clinical Correlations,

- and Methodologies. Virginia: Bentham Science Publishers.
43. Winarsi, H., 2007. Antioksidan alami dan radikal bebas, potensi dan aplikasinya dalam kesehatan. Yogyakarta: Kanisius.
 44. Llurba E, Grataco E, Galla MP, Cabero L, Dominguez C (2004). A comprehensive study of oxidative stress and antioxidant status in preeclampsia and normal pregnancy. Free Radical Biology & Medicine. 9: 515-540.
 45. Adyttia A, Untari EK dan Wahdaningsih S (2014). Efek ekstrak etanol daun premna cordifolia terhadap malondialdehida tikus yang dipapar asap rokok. Pharmacology Scientific Research, 1(2): 104-115.
 46. Nugroho, A.E. 2006. Hewan percobaan diabetes melitus: patologi dan mekanisme aksi diabetogenik. Biodiversitas, Vol. 7(4): 378-382.
 47. Szkludelski T. 2001. The mechanism of alloxan and streptozotocin action in B cells of the rat pancreas. Journal Physiol Res. Vol.50: 536-546.
 48. Rohilla, A. & S. Ali. 2012. Alloxan induced diabetes: mechanism and effects. International Journal of Research in Pharmaceutical and Biomedical Sciences. Vol. 3(2): 819-823.
 49. Isnawati A, Mariana, Ondri, Muthiakum, Lucie W, Retno G. Karakteristik tiga jenis ekstrak gambir (*Uncaria gambir Roxb.*) dari Sumatera Barat. Buletin Penelitian Kesehatan. 2012; 40(4):201-8.
 50. Heitzman ME, Neto CC, Winiarz E, Vaisberg AJ, Hammond GB. Ethnobotany, phytochemistry and pharmacology of Uncaria (Rubiaceae). Phytochemistry. 2005;66:5–29.
 51. Aditya M, Ariyanti P. Manfaat gambir (*Uncaria gambir Roxb.*) sebagai antioksidan. Jurnal Bagian Ilmu Kedokteran Komunitas, Fakultas Kedokteran, Universitas Lampung, 2016;2:1-5.
 52. Keplinger K. *Uncaria tomentosa* (willd.) Dc.—ethnomedicinal use and new pharmacological, toxicological, and botanical results. Journal of Ethnopharmacology.1999;64: 23-34.
 53. Utami P, Novi W, Nina , Dewi D, Agung S, Tinton DP, Hadi I,et al. Buku pintar tanaman obat 431 jenis tanaman penggempur aneka penyakit. Jakarta: PT. Agromedia Pustaka;2008.
 54. Bachtiar A. Manfaat Gambir. Makalah pada penataran petani dan pedagang pengumpul gambir di pangkalan. FMIPA Unand. Padang.1991.
 55. Amos. Kandungan katekin gambir sentra produksi di indonesia. Jurnal Standardisasi. 2010; 12 (3): 149-155.
 56. Towaha J dan Balittri (2013). Kandungan senyawa kimia pada daun teh. Warta Penelitian dan Pengembangan Tanaman Industri, 19(3): 12-16.

57. Kementerian Pertanian RI. Tanaman rempah dan penyegar. Jakarta: Badan Litbang Pertanian Kementerian Pertanian.2012;63.
58. Siti RP, Kamaluddin MT, Theodorus, Rindit P. Anticariogenic Effect of Gambir (*Uncaria gambir Roxb.*) extract on enamel tooth surface exposed by streptococcus mutans. International Journal of Health Science and Research. 2016;8:171-179.
59. Ostrowska J, Luczac W, Kasacka I, Rozanski A dan Skrzyniak E (2004). Green tea protects against ethanol-induced lipid peroxidation in rat organs. Alcohol, 32: 25-32.
60. Murakami C, Hirakawa C, Inui H, Nakano Y dan Yoshida H (2014). Effect of tea catechins on cellular lipid peroxidation and cytotoxicity in hepG2 cells. Bioscience, Biotechnology, and Biochemistry, 66(7): 1559-1562.
61. Nanang Y, Berna E, Laurentia K. Potensi fraksi etil asetat ekstrak daun gambir (*Uncaria gambir Roxb.*) sebagai antihiperlipidemia. Jurnal Kefarmasian Indonesia. 2015;5(1):1-10.
62. World Health Organization. General guideline for Methodologies on Research and Evaluation of Traditional Medicine. Geneva: World Health OrganizationGeneva.;2000.
63. Madiyono B, Moeslichan S, Sastroasmoro S, Budiman I dan Purwanto SH (2011). Perkiraan besar sampel. Dalam: Dasar-dasar Metodologi Penelitian Klinis. Edisi ke 4. Jakarta: Sagung Seto, hh. 348-381.
64. Adyttia A, Untari EK dan Wahdaningsih S (2014). Efek ekstrak etanol daun premna cordifolia terhadap malondialdehida tikus yang dipapar asap rokok. Pharmacology Scientific Research, 1(2): 104-115.
65. Laurence D, Bacharach A. Text book of evaluation of drug activities. New York: Academic Press; 1964.
66. Zainuri, M., dan S. I. Wanandi. 2012. Aktivitas spesifik manganese superoxide dismutase (MnSOD) dan katalase pada hati tikus yang diinduksi hipoksia sistemik: hubungannya dengan kerusakan oksidatif. Media Litbang Kesehatan. 22(2): 87-92.
67. Katzung BG, editors. Farmakologi dasar dan klinik edisi 10. Jakarta : Buku Kedokteran EGC; 2003. p. 10-13.