

## DAFTAR PUSTAKA

1. Dorland WA, Newman. 2010. *Dorland's illustrated medical dictionary*. Edisi 31. Jakarta : EGC.
2. Baldwij T. 2010. *Obesity and public health*. Toronto (CA): World Health Organization.
3. WHO (2018). *Obesity and overweight*. World Health Organization. <https://www.who.int/news-room.../obesity-and-overweight> - Diakses Juni 2019.
4. WHO (2018). *Prevalensi of overweight, crude*. <http://apps.who.int/gho/...BMI25CREGv?lang=en> - Diakses November 2019
5. Younossi ZM, Koenig AB, Abdelatif D, Fazel Y, Henry L, Wymer M. 2015. *Global epidemiology of nonalcoholic fatty liver disease—Meta-analytic assessment of prevalence, incidence, and outcomes*. *AASLD*, 64(1);73-84.
6. Harbuwono DS, Pramono LA, Yunir E, Subekti I. 2018. *Obesity and central obesity in Indonesia: evidence from a national health survey*. *MJI*, 27(2):114-120.
7. Kurniawan R, Yudianto, Hardhana B, Siswanti T, editors. 2018. *Indonesia Health Profile tahun 2017*. Jakarta: Ministry of Health RI.
8. Menteri Kesehatan Republik Indonesia (IDN). 2014. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 41 Tahun 2014*. Jakarta: Kementrian Indonesia.
9. Masarone M, Rosato V, Dallio M, Gravina AG, Aglitti A, Loguercio C, *et al*. 2018. *Role of Oxidative Stress in Pathophysiology of Nonalcoholic Fatty Liver Disease*. *Pubmed*, 2018;1-14.
10. Donne LD, Rossi R, Colombo R, Giustarini D, Milzani A. 2006. *Biomarker of Oxidative Damage in Human Disease*. *Clinical Chemistry*, 52(4): 601-623.
11. Ayala A, Munoz M, Arguelles S. 2014. *Lipid peroxidation: Production, metabolism, and signaling mechanism of malondialdehyde and 4-hydroxy-2-nonenal*. *Oxidative medicine and cellular longevity*, 2014; 1-31.
12. Hasan I, Gani R, Machmud R. 2002. *Prevalence and risk factors for nonalcoholic fatty liver in Indonesia*. *J Gastroenterol Hepatol*, 17: A30.

13. Noeman SA, Hamooda HE, Baalash AA. 2011. *Biochemical study of oxidative stress markers in the liver, kidney and heart of high fat diet induced obesity in rats*. Diabetology & metabolic syndrome, 3: 17.
14. Koda-Kimble, M. A., L. Y. Young, B. K. Alldredge, R. L. Corelli, B. J. Guglielmo, W. A. Kradsjan, dan B. R. Williams. 2009. *Applied Therapeutics: The Clinical Use Of Drugs*. Edisi 9. Philadelphia: Lippincott Williams & Wilkins.
15. Maria, L & Priscilla M.C. 2003. *Oxidative stress, exercise, and antioxidant supplementation*. Journal Toxicology, 189: 41 – 45.
16. Llorba 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.
17. 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.
18. Yadav A, Kumari R, Yadav A, Mishra JP, Srivastava S, Prabha S. 2016. *Antioxidants and its function in human body: A review*. Research in Environment and Life Science, 9; 1328-1331.
19. Muchtar H, Yeni G, Hermianti W, Diza YH. 2010. *Pembuatan Konsentrat Polifenol Gambir (Uncaria gambir Roxb) sebagai bahan antioksidan pangan*. J Ris Ind, 4: 71 – 82.
20. Isnawati A, Raini M, Sampurno OD, Mutiatikum D, Widowati L, Gitawati R. 2012. *Karakterisasi tiga jenis ekstrak gambir (Uncaria gambir roxb) dari Sumatera Barat*. Bul Penelit Kesehat, 40(4): 201-8.
21. Musdja Y, Rahman HA, Hasan D. 2018. *Antioxidant activity of catechins isolate of uncaria gambier roxb in male rats*. LIFE: International Journal of Health and Life-Sciences, 4: 34-46.
22. Zanwar AA, Badole SL, Shende PS, Hegde MV, Bodhankar SL. 2014. *Polyphenols in Human Health and Disease*. Science Direct, 1: 267-71.
23. Anbudhasan P, Surendraraj A, Karkuzhali S, Sathishkumaran S. 2014. *Natural antioxidants and its benefits*. IJFANS, 3(6): 225-32.

24. Alioes Y, Sukma R, Sekar S. 2019. *Effect of Gambir Catechin Isolate (Uncaria Gambir Roxb.) Against Rat Triacylglycerol Level (Rattus norvegicus)*. IOP Conference Series: Earth and Environmental Science, 217(1): 1-6.
25. Ansori FA. 2018. Pengaruh pemberian kawa daun gambir (*Uncaria gambir* Roxb) terhadap kadar malondialdehid (MDA) jaringan hati mencit (*mus musculus*) diabetes yang diinduksi aloksan [skripsi]. Padang: Fakultas Kedokteran Universitas Andalas.
26. Ali A, Amalia L, Suptijah P. 2015. Pemberian kitosan dan pengaruhnya terhadap berat badan dan kadar trigliserida darah tikus sprague-dawley yang diberi pakan asam lemak trans. *Gizi Pangan*, 10(1); 9-16.
27. Manurung LR, Mandera LI, editors. 2014. *Harper's illustrated biochemistry*. Jakarta: EGC.
28. Setiati S, Alwi I, Sudoyo AW, Simadibrata MK, Setiyohadi B, Syam AF, editors. 2015. *Buku ajar ilmu penyakit dalam edisi keenam jilid II*. Jakarta: Interna Publishing.
29. Botham KM, Mayes PA. 2009. Lipid yang Penting Secara Fisiologis. In: Wulandari N, Rendy L, Dwijayanti L, Liena, Dany F, Rachman LY, editors. *Biokimia Harper*. Edisi 27. Jakarta: EGC. hlm 128-37.
30. Apsubiology.org (2019). *CH18 lipoproteins*. [www.apsubiology.org/anatomy/2020/...Exam\\_1/CH18\\_Lipoproteins.htm](http://www.apsubiology.org/anatomy/2020/...Exam_1/CH18_Lipoproteins.htm) - Diakses Oktober 2019.
31. Kwan BCH, Kronenberg F, Beddhu S, Cheung AK (2007). *Lipoprotein metabolism and lipid management in chronic kidney disease*. *Journal of the American Society of Nephrology*. <https://jasn.asnjournals.org/content/18/.../tab-figures-data> - Diakses Oktober 2019.
32. Boden G. 2008. *Obesity and free fatty acids (FFA)*. Philadelphia (PA): NIH Public Access.
33. Kaustubh B. 2016. *Obesity : Causes and cosequences*. *BioNE*, 1(16): 1-6
34. Joon-Myung C, Chun-Bae K. 2011. *Obesity management and scientific evidence*. *Journal of the Korean Medical Association*, 54: 250-65.

35. Redinger RN. 2007. *The pathophysiology of obesity and its clinical manifestations*. Gastroenterology & Hepatology, 3(11): 856-63.
36. Segula D. 2014. Complication of obesity in adults: A short review of the literature. Malawi Medical Journal, 26(1): 20-4.
37. El-Kader SMA, Ashmawy EMSE. 2015. *Non-alcoholic fatty liver disease : The diagnosis and management*. World J Hepatol, 7(6): 846-58.
38. Kleiner DE, Natta MV, Behling C, Contos M, Cummings O, Ferrell LD, et al. 2005. *Design and validation of a histological scoring system for nonalcoholic fatty liver disease*. Hepatology, 41(6): 1313-21.
39. Dieahl AM, Day C. 2017. *Cause, pathogenesis, and treatment of nonalcoholic steatohepatitis*. N Engl J Med, 377: 2063-72.
40. Cobbina E, Akhlaghi F. 2017. *Non-Alcoholic Fatty Liver Disease (NAFLD) – pathogenesis, classification, and effect on drug metabolizing enzymes and transporters*. Drug Metab Rev, 49(2): 197-211.
41. Albhaisi S, Sanyai A (2018). *Recent advances in understanding and managing non-alcoholic fatty liver disease*. F1000Research. <https://www.ncbi.nlm.nih.gov/.../PMC5998003/> - Diakses Juni 2019.
42. Lazo M, Hernaez R, Bonekamp S, Kamel IR, Brancati FL, Guallar E, et al. 2011. *Non-alcoholic fatty liver disease and mortality among US adults: prospective cohort study*. BMJ, 343: d6891.
43. Chiang J. 2014. *Liver Physiology: Metabolism and Detoxification*. Northeast Ohi (USA): Elsevier.
44. Tangvarasittichais. 2015. *Oxidative stress, insulin resistance dyslipidemia and type 2 diabetes mellitus*. World Jurnal of Diabetes, 6(3): 456-80.
45. Johansen JS, Harris AK, Rychly DJ, Ergul A. 2005. *Oxidative stress and the use of antioxidants in diabetes: Linking basic science to clinical practice*. Cardiovascular Diabetology, 4(5): 1-11.
46. Winarsi H. 2007. *Antioksidan alami dan radikal bebas, potensi dan aplikasinya dalam kesehatan*. Yogyakarta: Kanisius.
47. Towaha J, Balitteri. 2013. *Kandungan senyawa kimia pada daun teh (Camellia sinensis)*. Warta Penelitian Dan Pengembangan Tanaman Industri. 19(3): 12 – 6.

48. Bachtiar, A. 1991. Manfaat Gambir. Makalah ada Penataran Petani dan Pedagang Pengumpul Gambir di Pangkalan. FMIPA Unand. Padang.
49. Rakyat Merdeka On Line (2014). Muba jadikan gambir pengawet makanan. RMOL SUMSEL Republik Indonesia. <http://www.rmolsumsel.com/read/2014/.../Muba-Jadikan-Gambir-Pengawet-Makanan> - Diakses Juni 2019.
50. Isnawati A, Raini M, Sampurno OD, Mutiatikum D, Widowati L, Gitawati R. 2012. Karakteristik tiga jenis ekstrak gambir (*Uncaria gambir* Roxb) dari Sumatera Barat. *Bul Penelit Kesehat*, 40(4): 201-8.
51. Astutiningsih, C., Setyani, W., Hindratna, H. (2014). Uji Daya Antibakteri Dan Identifikasi. Isolat Senyawa Katekin Dari Daun Teh (*Camellia Sinensis* L. Var *Assamica*). *Jurnal Farmasi Sains dan Komunitas*, 11(2): 50–57.
52. Murakami C, Hirakawa C, Inui H, Nakano Y dan Yoshida H (2014). *Effect of tea catechin on cellular lipid peroxidation and cytotoxicity in hepG2 cells*. *Bioscience, Biotechnology, and Biochemistry*, 66(7): 1559 – 62.
53. A'raaf M, Andry SP, Rizkia AW, Ansori FA, Nadiaskara SN. 2016. 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.
54. Fahrudin F, Solihin Duryadi D, Kusumorini N, Ningsih S. 2015. Efektifitas Ekstrak Gambir (*Uncaria gambir* (Hunter) Roxb.) sebagai Hepatoprotektor pada Tikus (*Rattus norvegicus* L.) yang Diinduksi CCl<sub>4</sub>. *J Ilmu Kefarmasian Indonesia*, 13(2): 115– 22.
55. Nanang Y, Berna E, Laurentia K. 2015. Potensi fraksi etil asetat ekstrak daun gambir (*Uncaria gambir* Roxb) sebagai antihiperlipidemia. *Jurnal Kefarmasian Indonesia*, 5(1): 1-10.
56. Ostrowska J, Luczac W, Kasacka I, Rozanski A dan Skrzydlewska E (2004). *Green tea protects against ethanol-induced lipid peroxidation in rat organs*. *Alcohol*, 32: 25 – 32.
57. World Health Organization. 2000. *General Guidelines for methodologies on research and evaluation of traditional medicine*. Geneva: WHO.

58. Charan J, Kantharia ND. 2013. How to calculate sample size in animal studies. *J Pharmacol Pharmacother*, 4(4): 303-6.
59. 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
60. Asdaq SMB, Inamdar MN (2010). *Potential of Crocus sativus (saffron) and its constituent, crocin, as hypolipidemic and antioxidant in rats*. *Applied biochemistry and biotechnology*, 162(2): 358-72.
61. Luka CD, Mohammed A (2013). *Effect of Fish Oil on High Lipid Fed Albino Rats*. *Journal of Medical and Applied Biosciences*, 5(1).
62. Salomo H, Busman.H, Apriliana E. 2018. Pengaruh pemberian metformin dan ekstrak daun teh hijau pada penurunan berat badan tikus putih (*Rattus novergicus*) galur sprague dawley dengan diet tinggi lemak. *Jurnal Majority*, 7(2); 65-79.
63. Kusumawati D. 2004. Bersahabat dengan hewan coba. Yogyakarta: Gadjah Mada University Press. hlm 38 – 45.
64. Saklar S, Ertas E, Ozdemir IS. 2015. *Effect of different brewing conditions on catechin content and sensory acceptance in Turkish green tea infusions*. *Jfood Sci Technol*, 52(10): 6639-46.
65. Hardiningsih R, Nurhidayati N. 2006. Pengaruh pemberian pakan hiperkolesterolemia terhadap bobot badan tikus putih wistar yang diberi bakteri asam laktat. *Biodiversitas*, 7(2): 127-30.
66. Milagro FI, Campion J, Martinez JA. 2006. *Weight gain induced by high fat diet feeding involve increased liver oxidative stress*. *Obesity (Silver Spring)*, 14(7): 1118-23.
67. Nagao T, Hase T, Tokimitsu I. 2007. *A green tea extract high in catechins reduces body fat and cardiovascular risks in humans*. *Obesity (Silver Spring, MD)*, 15(6): 1473-83.
68. Park HR, Park M, Choi J, Park KY, Chung HY, Lee J. 2010. *A high fat diet impairs neurogenesis : Involvement of lipid peroxidation and brain-derived neurotrophicfaction*. *Neuroscience Letters*, 482(3); 235-9.

69. Samarghandian S, Azimi-Nezhad M, Farkhondeh T. 2017. *Catechin treatment ameliorates diabetes and its complications in streptozotocin-induced diabetic rats*. Dose-Response, 15(1): 1-7.
70. Katzung BG, editor. 2003. Farmakologi dasar & klinik. Edisi 10. Jakarta: Buku Kedokteran EGC. hlm 10-3.

