

## DAFTAR PUSTAKA

- Adams L. B. 2005. *Guidelines for Adolescent Nutrition Services*. Division of Epidemiology and Community Health School of Public Health. University of Minnesota.
- Adaramola T. F., J. O., Ariwaodo, K. A Adeniji. 2012. Distribution, Phytochemistry and Antioxidant Properties of the Genus *Parkia* R.br. (Mimosaceae) in Nigeria. *IJPPR* 4(4); 172-178
- Ali, M., and N. Chaudary. 2011. *Ficus hispida* Linn: A review of its pharmacognostic and ethnomedical properties. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3210011/>
- Anonim<sup>a</sup>. 2015. *Klasifikasi tumbuhan Ficus hispida L.* <http://www.sith.itb.ac.id/herbarium/index.php?c=herbs&view=detail&spid=238488> diakses tanggal 20 Agustus 2015
- Backer, A. C. and R. C. Bakhuizen van den Brink. 1965. *Flora of Java*. Volume II. Angiospermae. N.V.P. Noordoff Groningen. The Netherlands.
- Barolo, M. I, N. R. Mostacero and S. N. López. 2014. *Ficus carica* L. (Moraceae): An ancient source of food and health. *Food Chem.* 164 :119–127
- Becker, D.J, R.Y. Gordon, P. B. Morris, J. Yoriko, Y.J. Gordon, M. Li and N. Iqbal. 2008. Simvastatin vs Therapeutic Lifestyle Changes and Supplements : Randomized Primary Prevention Trial. *Mayo. Clin. Proc.* 83 (7): 758-764
- Bhatia , G. ,A. K. Khanna, R. Sonkar, S. K. Mishra, S. Srivastava, V. Lakshmi. 2011. Lipid lowering and antioxidant activity of flavones in triton treated hyperlipidemic rats. *Med. Chem. Res.* 20:1622–1626
- Branchi,A., A. M. Fiorenza, A. Torri, F. Muzio, A. Rovellini, C. Berra and D. Sommariva. 2001. Effects of Atorvastatin 10 mg and Simvastatin 20 mg on Serum Triglyceride Levels in Patients with Hypercholesterolemia. *Current Therapeutic Research* 62(5): 408-415
- Cheok, C.Y., H.A.K. Salman, and R. Sulaiman. 2014. Extraction and quantification of saponins: A review. *Food Res. Int. J.* 59:16-40.
- Cho, S.Y., , J.Y Park, E.M. Park, M.S. Choi, M.Y. Lee, S.M. Jeon, M.K. Jang, M.J. Kim, R.K. Gupta, A.N. Kesari, G. Watal, P.S. Murthy, R. Chandra, K. Maithal, V. Tandon .2005. Hypoglycemic and antidiabetic effect of aqueous extract of leaves of *Annona squamosa*. *Current Science* 88, 1244–1254.
- Das, T. K., D. Banerjee, D. Chakraborty, M. C. Pakhira, B. Shrivastava and R. C. Kuhad. 2012. Saponin: Role in Animal system. *Vet. World* Vol.5(4): 248-254
- De Resende, P.E., S. Kaiser a, V. Pittol, A. L. Hoefel b, R. D’A. Silva, C.V. Marques b, L. C. Kucharski, G.G.Ortega. 2015. Influence of crude extract and bioactive fractions of *Ilex paraguariensis* A. St. Hil. (yerba mate) on the Wistar rat lipid metabolism. *J. Funct. Foods* 15: 440-451

- Dobiasova, M. 2004. Atherogenic Index of Plasma [Log(triglycerides/HDL-Cholesterol)] : Theoretical and Practical Implications. *Clin. Chem.* 50 (7):1113-1115
- Elekofehnti, O.O, J.P. Kamdem, I.J. Kade, J.B. T. Rocha and I.G Adanlawo. 2013. Hypoglycemic, antiperoxidative and antihyperlipidemic effects of saponins from *Solanum anguivi* Lam. fruits in alloxan-induced diabetic rats. *S. Afr. J. Bot.* 88 : 56-61
- El-Shobaki, F.A., A.M. El-Bahay, R.S.A. Esmail., A.A.A El-Megeid, and N.S. Esmail. 2010. Effects of figs fruit (*Ficus carica* L.) and its leaves on hyperglycemia in alloxan diabetic rats. *World J. Dairy & Food Sci.*5(1):47-57.
- Fitria,L., S.A. Puspitasari, R.D.P, Suranto dan I.D. Utami 2015. Uji potensi buah luwingan (*Ficus hispida* L.f.) sebagai penurun kadar kolesterol darah dengan hewan model tikus Wistar (*Rattus norvegicus* Berkenhout, 1769) hiperlipidemia. Laporan Penelitian Fakultas Biologi Dana BOPTN. Universitas Gadjah Mada . Yogyakarta
- Francis,G., Z. Kerem,H.P.S. Makkar and K. Becker. 2002. The biological action of saponins in animal systems: a review. *British J. Nutrition* 88 : 587–605
- Garabadu, D., S. Lanjhiyana, D. Ahirwar, P. Bigoniya, A.C. Rana. K.C. Patra, S.K. Lanjhiyana, and M. Karuppaih. 2011. Antihyperglycemic potential of *Aloe vera* gel in experimental animal model. *Ann. Biol. Res.* 2(1):17-31.
- Goldberg,A.C. 2015. Dyslipidemia : Endocrine and Metabolic Disorder. PDF Profesional Version <http://www.msmanuals.com/professional/endocrine-and-metabolic-disorders/lipid-disorders/dyslipidemia>
- Gunawan, S.G, R. Setiabudy,Nafrialdi dan Elysabeth. 2007. Farmakologi dan Terapi. Jakarta: Departemen Farmakologi dan Terapeutik Fakultas Kedokteran UI, hal 373-385
- Guo,M.,Y. Liu, Z.Gao, D. Shi.2014. Chinese Herbal Medicine on Dyslipidemia: Progress and Perspective. Evidence-Based Complementary and Alternative Medicine. <http://www.hindawi.com/journals/ecam/2014/163036/>
- Hasan, S., S. A. El-Twab, M. Hetta, B. Mahmoud. 2011. Improvement Of Lipid Profile And Antioxidant Of Hypercholesterolemic Albino Rats By Polysaccharides Extracted From The Green Alga *Ulva lactuca* Linnaeus. *Saudi J. Biol. Sci.*18: 333-340
- Herpandi, M.A., T. Wresdiyati, dan N.S. Palupi. 2006. Perubahan profil lipida, kolesterol digesta, dan asam propionat pada tikus dengan diet tepung rumput laut. *J. Teknol. dan Industri Pangan* 1(6):589-596.
- Ikewuchi, C. J and C.C Ikewuchi. 2009. Alteration of Plasma Lipid Profiles and Atherogenic Indices by *Stachytarpheta jamaicensis* L. (Vahl). *Biokemistri* 21(2):71-77
- Johnson,M.D. 2012. *Human biology :concept and current issuses*. Benjamin Cummings. Boston.pp: 172

- Joseph, B. And S.J. Raj. 2011. Pharmacognostic and phytochemical properties of *Ficus carica* Linn—An overview. *Int. J. Pharm. Tech. Res.* 3(1): 8-12.
- Junqueira, L.C and J. Carneiro. 2005. *Basic histology*. The McGraw-Hill company.
- Kaliste, E. 2007. *The welfare of laboratory animals*. Springer : Netherland. pp:15-22
- Kehati. 2009. Jenis-jenis tanaman lokal dan endemik di wilayah Provinsi Daerah Istimewa Yogyakarta. Pembangunan Taman Keanekaragaman Hayati Provinsi DIY Tahun Anggaran 2009. Lampiran 1.
- Koolman, J. and K.H. Roehm. 2005. *Color atlas of biochemistry*. 2nd ed. Thieme.Stuttgart.pp:49,56
- Krinke, G. J.2000. *The Handbook of Experimental Animals : The Laboratory Rat*. Academic Press. p: 3-4
- Lansky. E. P. and H. M. Paavilainen. 2011. Figs the genus *Ficus*: Traditional herbal medicines for modern times. CRC Press. Taylor and Francis Group, LLC. Florida. Pp: 49,167,186
- Lee, S.H., A.B.C. Ng, K.H. Ong, T. O’Dempsey and H. T.W. Tan. 2013. The status and distribution of *Ficus hispida* L.f. (Moraceae) in Singapore. *Nature in Singapore* 6:85-90.
- Libby,P., P.M. Ridker and G.K. Hansson.2011. progress and challenges in translating the biology of atherosclerosis. *Nature Insight Review* 473:317-325
- Mandal, S.C., and C.K.A. Kumar. 2002. Studies on anti-diarrhoeal activity of *Ficus hispida* leaf extract in rats. *Fitoterapia* 73:663-667.
- Mahley, R.W. dan T.P Thomas. Terapi Obat untuk Hiperkolesterolemia dan Dislipidemia dalam Hardman,J.G. dan L.E. Limbird.2003. *Goodman & Gilman Dasar Farmakologi Terapi*. Jakarta: Penerbit buku kedokteran EGC. Hal:943
- Marinova, D., F. Ribarova and M. Atanassova. 2005. Total phenolics and total flavonoids in bulgarian fruits and vegetables. *J. University Chem. Tech. and Metal.*40(3): 255-260
- Mayes, P.A. and K. M. Botham. Lipids of Physiologic Significance dalam Murray, R.K., D.K. Granner, P.A. Mayes and V.W. Rodwell. 2003. *Harper’s Illustrated Biochemistry* 26<sup>th</sup> ed. Mc Graw Hill companies. New York. Pp:111
- Mulvihill, E.E. and M.W. Huff. 2010. ANtiatherogenic properties of flavonoids: Implication for cardiovascular health. *Can J Cardiol* ;26 (suppl A): 17A-21A
- Murti, K., V. Lambole, and M. Panchal. 2011. Effect of *Ficus hispida* L. on normal and dexamethasone suppressed wound healing. *Braz. J. Pharm. Sci.* 47(4):855-860.
- Murray, R.K., D.K. Granner, P.A. Mayes and V.W. Rodwell. 2003. *Harper’s Illustrated Biochemistry* 26<sup>th</sup> ed. Mc Graw Hill companies. New York. Pp:111,117
- Narita, E. A. R. 2015. Bay Leaf In Dyslipidemia Therapy. *J MAJORITY* 4(4) : 64-69
- NBRP-Rat.2002. Rat Strains. <http://www.anim.med.kyoto-u.ac.jp/nbr/Default.aspx> diakses tanggal 13 Januari 2016.
- Nelson, D.L. and M.M. Cox. 2004. *Lehninger Principles of Biochemistry Lecture Notebook*. W.H. Freeman. New York pp: 345

- Oukenfull, D. 1986. Saponins in the treatment of hypercholesterolemia. In: Spiller, G.A. (Ed.). 1986. *Handbook of Lipids in Human Nutrition*. CRC Press LLC. Florida.
- Oboh, G., A.J. Akinyemi, F.R. Osanyinlusi, A.O. Ademiluyi, A.A. Boligon, and M. L. Athayde. 2014. Phenolic compound from sandpaper *Ficus exasperata* leaf inhibits angiotensin 1 converting enzyme in high cholesterol diet fed rats. *J. Ethnopharmacol.* 157:119-125.
- Onyedum, C.C., E. E. Young, M. O. Iroezindu, C. J. Chukwuka, U. I. Nwagha. 2015. Atherogenic index of plasma in highly active antiretroviral therapy-naïve patients with human immunodeficiency virus infection in Southeast Nigeria. *Indian J. Endocrinol. Metab.* 18: 631-636
- K. Pandit, S.M Karmarkar, A.M Bhagwat. 2011. Evaluation Of Antihyperlipidemic Activity Of *Ficus* *Hispida* Linn Leaves In Triton Wr-1339 (Tyloxapol) Induced Hyperlipidemia In Mice. *Int. J. Pharm. Sci.* 3(5):188-191
- Price, S.A. dan W.M. Lorraine. 2003. Patofisiologi: Konsep Klinis Proses-Proses Penyakit. Jakarta: Penerbit Buku Kedokteran EGC, hal :580-588
- PubMed Health. 2014. Metabolic syndrome. National Center for Biotechnology Information (NCBI) at the U.S. National Library of Medicine (NLM). Maryland  
<http://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0062969/>
- Reagen-Shaw, S., M. Nihal and N. Ahmad. 2007. Dose translation from animal to human studies revisited. *The FASEB Journal* 22 : 659-661
- Ridwan, E. 2013. Etika Pemanfaatan Hewan Percobaan dalam Penelitian Kesehatan. *J. Indon. Med. Assoc.* 63: 3.
- Ripu, M., I. Kunwar and W.B. Rainer. 2006. *Ficus (Fig) species in Nepal: A review of diversity and indigenous uses*. *Lyonia* 11:85-97.
- Rufaida, F., Aulanni'am, and S. Murwani. 2013. Profil kadar kolesterol total, low density lipoprotein (LDL) dan gambaran histopatologis aorta pada tikus (*Rattus norvegicus*) hiperkolesterolemia dengan terapi ekstrak air benalu mangga (*Dendrothoe pentandra*). *Student J. Vet. Sch. Universitas Brawijaya* 3(2)-11. Akses repositori.
- Sa'adah, N.N. 2014. Kandungan ROSS dan APO-B 100 serum serta indeks Atherogenik *Rattus norvegicus* hiperlipidemia dengan asupan pelet dan bekatul beras hitam (*Oryza sativa*)” cempo ireng”. Thesis fakultas Biologi Universitas Gadjah Mada.
- Salem, M.Z.M., A.Z.M. Salem, L.M. Camacho, and H.M. Ali. 2013. Antimicrobial activities and phytochemical composition of extracts of *Ficus* species: An overview. *Afr. J. Microbiol. Res.* 7(33):4207-4219.
- Schaefer. E. J. 2010. *High Density Lipoproteins, Dyslipidemia, and Coronary Heart Disease*. Springer Science+Business Media. New York. pp: 152,156
- Shahreen, S., J. Banik, A. Hafiz, S. Rahman, A.T. Zaman, M.A. Shoyeb, M.H. Chowdhury and M. Rahmatullah. 2012. Antihyperglycemic activities of

- leaves of three edible fruit plants (*Averrhoa carambola*, *Ficus hispida*, and *Syzygium samarangense*) of Bangladesh. *Afr. J. Trad. Complement Alternative Med.* 9(2):287-291.
- Shehata, A.M. and O.M. Yousef. 2010. Physiological Studies on the Risk Factor Responsible for Atherosclerosis in Rats. *Nature and Science* 8(5):144-151
- Sorace, P., T. LaFontaine, T.R. Thomas. 2006. Know The Risks : Lifestyle Management of Dyslipidemia. *ACSM'S health & fitness Journal* 10(4): 18-25
- Soehardi, S. 2004. Memelihara Kesehatan Jasmani melalui Makanan. Penerbit ITB, Bandung.
- Statineffect.com. 2007. Statin Effect Study : Lesser-known side effect. [https://www.statineffects.com/info/adverse\\_effects.htm](https://www.statineffects.com/info/adverse_effects.htm) diakses tanggal
- Sunarsih, E.S. dan S. Pamuji. 2006. Pengaruh pemberian vitamin C terhadap kadar kolesterol total serum tikus Wistar jantan hiperlipidemia setelah 18 perlakuan jus lidah buaya (*Aloe vera* Linn). Skripsi. Fakultas Kedokteran Universitas Diponegoro. Purwokerto. Akses repositori.
- Suranto, R.D.P. 2015. Pengaruh Pemberian air perasan buah Luwungan (*Ficus hispida* L.f) per oral terhadap profil hematologis tikus putih (*Rattus norvegicus* Berkenhout, 1769) Dislipidemia. Skripsi fakultas Biologi Universitas Gadjah Mada. Yogyakarta
- Tjay, T.H. dan Rahardja, K. 2007 *Obat-obat penting (Khasiat, penggunaan, dan efek sampingnya)*. Edisi 5. Penerbit Gramedia. Jakarta.
- Tortora, G.J and B. Derrickson. 2009. *Principles of anatomy and physiology*. 12<sup>th</sup> ed. John Wiley & Sons, Inc. pp:760-762
- Truswell, A.S. 2010. *Cholesterol and Beyond*. Springer Science+Business Media. New York pp:27
- Tsalissavrina, I., D. Wahono, D. Handayani. 2006. Pengaruh Pemberian Diet Tinggi Karbohidrat Dibandingkan Diet Tinggi Lemak Terhadap Kadar Trigliserida Dan HDL Darah Pada *Rattus Norvegicus* Galur Wistar. *Jurnal Kedokteran Brawijaya*, Vol. XXII, No.2
- U.S. Departement of Health and Human Service. 2005. *Your guide to lowering your cholesterol with TLC (Therapeutic Lifestyle Changes)*. National Institute of Health (NIH). National Heart, Lung, and Blood Institute. NIH Publication. Maryland.
- Utami, I.D. 2015. Kadar Serum AST (Aspartate Transaminase), ALT (Alanine Transaminase) dan Kreatinin Darah Tikus Putih (*Rattus norvegicus* Berkenhout, 1769) betina galur Wistar Dislipidemia Dengan Pemberian Air Perasan Buah Luwungan (*Ficus hispida* L.f) per oral. Skripsi. Fakultas Biologi Universitas Gadjah Mada.
- Walker, R. and E, Clive. 2003. *Clinical Pharmacy and Therapeutics* 3<sup>rd</sup> edition. Churchill Livingstone. P:364
- Wang, H., Cao, G., and Prior, R. 1996. Total antioxidant capacity of fruits. *J. Agr. Food Chem.* 44:701-705.

- WHO. 2015. *The Top 10 Cause of Death.*  
<http://www.who.int/mediacentre/factsheets/fs310/en/index2.html> diakses  
tanggal 14 Oktober 2015
- Wilbraham, C.A and S.M. Matta. 1992. *Pengantar Kimia Organik dan Hayati* (alih  
bahasa oleh Suminar Achmadi). Penerbit ITB: Bandung
- Witmer, L.M. 2008. Clinical anatomy of the aorta.  
<http://www.ohio.edu/people/witmerl/downloads/witmer-aorta.pdf>
- Zheng, Y. and F.E. Wu. 2007. Resorcinol derivatives from *Ardisia maculosa*. *J. Asian Natural Product Res.* 9:545-549.