

Daftar Pustaka

- Adaramoye, OA. 2012. Antidiabetic effect of kolaviron, a biflavonoid complex isolated from *Garcinia kola* seeds, in Wistar rats. *Afr Health Sci*, vol. 12, no. 4, pp. 498-506. Dilihat pada 2 Oktober 2014 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3598292/>.
- American Diabetes Association. 2013. Standards of medical care in diabetes-2013. *Diabetes Care*, vol. 36, suplemen 1, pp. 67-74. Dilihat pada 16 Juni 2015 http://care.diabetesjournals.org/content/36/Supplement_1/S11.full.
- American Diabetes Association. 2013. Diagnosis and classification of Diabetes Mellitus. *Diabetes Care*, vol. 36, suplemen 1, pp. 67-74. Dilihat pada 16 Juni 2015 http://care.diabetesjournals.org/content/36/Supplement_1/S67.full.
- American Heart Association. 2014. *Good vs. bad cholesterol*. Dilihat pada 6 Agustus 2014 <http://www.heart.org/>.
- Anonim. 2015. Diabetes Public Health Resource. *Centers for Disease Control and Prevention*. Dilihat pada tanggal 23 Juni 2015 <http://cdc.gov/diabetes/statistics/cdc/fig1.htm>.
- Arumugasamy, K, Latha, KV, Kumar, NHS. 2004. Studies on some pharmacognostic profiles of *Swietenia macrophylla* King. *Anc Sci Life*, vol. 26, no. 2, pp 97-102.
- Baba, S, Natsume, M, Yasuda, A, Nakamura, Y, Tamura, T, Osakabe, N, et al. 2007. Plasma LDL and HDL cholesterol and oxidized LDL concentrations are altered in normo and hypercholesterolemic humans after intake different levels of cocoa powder. *J Nutr*, vol. 137, pp. 1436-1441.
- Babu, PV, Liu, D, Gilbert, ER. 2013. Recent advances in understanding the anti-diabetic actions of dietary flavonoids. *J Nutr Biochem*, vol. 24 no. 11 pp. 1777-89.

- Bakhshaeshi, M, Khaki, A, Fathiazad, F, Khaki, AA, Ghadamkheir, E. 2012. Anti-oxidative role of *quercetin* derived from *Allium cepa* on aldehyde oxidase (OX-LDL) and hepatocytes apoptosis in streptozotocin-induced diabetic rat. *Asian Pac J Trop Biomed*, 2(7), pp.528-531.
- Buhler DR, Miranda C. 2000. *Antioxidant activities of flavonoids*. Dilihat pada 18 September 2014 <http://www.lpi.oregonstate.edu/f-w00/flavonoid.html>.
- Carantoni, M, Abbasi, F, Warmerdam, F, Klebanov, M, Wang, PW, Chen, YDI, et al. 1998. Relationship between insulin resistance and partially oxidized LDL particles in healthy, nondiabetic volunteers. *Atheroscler Thromb Vasc Biol*, vol. 18, pp. 762-767.
- Chen, F, Xiong, H, Wang, J, Ding, X, Shu, G, Mei, Z. 2013. Antidiabetic effect of total flavonoids from *Sanguis draxonisin* type 2 diabetic rats. *J Ethnopharmacol*, vol. 147, no. 3, pp. 729-736.
- Choi, JS, Choi YJ, Shin, SY, Li, J, Kang, SW, Bae, JY, et al. 2008. Dietary flavonoids differentially reduce oxidized LDL-induced apoptosis in human endothelial cells: role of MAPK- and JAK/STAT-signaling. *J Nutr*, vol. 138, pp.983-990.
- Clerici, C, Nardi, E, Battezzati, PM, Ascitti, S, Castellani, D, Corazzi, N, et al. 2011. Novel soy germ pasta improves endothelial function, blood pressure, and oxidative stress in patients with type 2 diabetes. *Diabetes Care*, 34(9), pp.1946-1948.
- Federer WT. 1991. *Statistics and society: data collection and interpretation*. 2 edn. New York: Marcel Dekker Inc.
- Fuhrman, B, Aviram, M. 2001. Flavonoids protect LDL from oxidation and attenuate atherosclerosis. *Curr Opin Lipidol*, 12(1):41-8.
- Fuhrman, B, Aviram, M. 2002. Wine flavonoids protect against LDL oxidation and atherosclerosis. *Ann N Y Acad Sci*, 957:146-161.

- Gerich, JE. 2015. *Getting to goal in type 2 diabetes: role of postprandial glycemic control 'contributions of fasting and postprandial hyperglycemia to micro- and macrovascular diabetic complications'*. Dilihat pada 16 Juni 2015 <http://www.medscape.org/viewarticle/473744>.
- Gupta, S, Sharma, SB, Prabhu, KM, Bansal, SK. 2009. Protective role of *Cassia auriculata* leaf extract on hyperglycemia-induced oxidative stress and its safety evaluation. *Indian J Biochem Biophys*, vol. 46, no. 5, pp. 371-377.
- Hamed, S, Brenner, B, Roguin, A. 2011. Nitric oxide: a key factor behind the dysfunctionality of endothelial progenitor cells in diabetes mellitus type-2. *Eur Heart J Suppl*, vol. 91, pp. 9-15, dilihat pada 16 September 2014 <http://cardiovascres.oxfordjournals.org/>.
- Hashim, MA, Yam, MF, Hor SY, Lim CP, Asmawi MZ, Sadikun A. 2013. Anti-hyperglycaemic activity of *Swietenia macrophylla* King (meliaceae) seed extract in normoglycaemic rats undergoing glucose tolerance test. *Chin Med*, vol. 8, no. 11, pp. 2-8. Dilihat pada 16 Juni 2015 <http://www.cmjournal.org/content/8/1/11>.
- Ikatan Dokter Indonesia. 2013. *Buku panduan praktik klinis bagi dokter di fasilitas pelayanan kesehatan primer*. Jakarta.
- Jenkins, AJ, Toth, PP, Lyons, TJ. 2014. *Lipoprotein in diabetes mellitus*. Springer Science and Business Media.
- Kalaivanan, K, Pugalendi, KV. 2011. Antihyperglycemic effect of the alcoholic seed extract of *Swietenia macrophylla* on streptozotocin-diabetic rats. *Pharmacognosy Res*, vol.3, no.1, pp.67-71.
- Kashiwagi, A. 2001. Complications of diabetes mellitus and oxidative stress. *JMAJ*, 44(12), pp. 521-528.
- Kasim, A, Omar, WSAW, Razak, NHA, Musa, NLW, Halim, RA, Mohamed, SR. 2012. *Proceedings of the international conference on science, technology and social sciences (ICSTSS) 2012*. Springer Science and Business Media.

- Kementerian Kesehatan RI. 2013. *Riset kesehatan dasar 2013*. Dilihat pada 21 Maret 2015 <http://depkes.go.id/>.
- Konate, K, Yomalan, K, Sytar O, Zerbo, P, Brestic M, Patrick, VD et al. 2014. Free radical scavenging capacity, antidiabetic and antihypertensive activities of flavonoid-rich fractions from leaves of *Trichilia emetica* and *Opilia amentacea* in an animal model of type 2 diabetes mellitus. *Evid Based Complement Alternat Med*, pp. 1-13. Dilihat pada 2 Oktober 2014 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3926250/>.
- Krisnawati, H, Kallio, M, Kanninen, M. 2011. *Swietenia macrophylla King: ecology, silviculture and productivity*. CIFOR. Bogor, Indonesia.
- Kurniawan, LB, Bahrin, Uleng, Arif, M, Adam JMF, Patellongi, I, dkk. 2013. *Kadar oxLDL pada penderita Diabetes Melitus tipe 2 terkontrol dan tidak terkontrol*. Universitas Hasanuddin, Makassar.
- Litwak, L, Goh, SY, Hussein, Z, Malek, R, Prusty, V, Khamseh, M. 2013. Prevalence of diabetes complications in people with type 2 diabetes mellitus and its association with baseline characteristics in the multinational. *Diabetol Metab Syndr*, 5:57.
- Marks, DB, Marks, AD, Smith, CM. 2000. *Biokimia kedokteran dasar: sebuah pendekatan klinis*. EGC. Jakarta.
- Masiello, P, Broca, C, Gross, R, Roye, M, Manteghetti, M, Hillaire-Buys, D, et al. 1998. Development of a new model in adult rats administered streptozotocin and nicotinamide. *Diabetes*, vol 47, pp.224-229.
- McMillin, JM. 1990. *Blood glucose*. Butterworths. Boston. Dilihat pada 5 Agustus 2015 <http://www.ncbi.nlm.nih.gov/books/NBK248>.
- Mertens, A, Holvoet, P. 2001. Oxidized LDL and HDL: antagonists in atherothrombosis. *FASEB J*, vol. 15, pp. 2073-2084.

- Moghadamtousi, SZ, Goh, BH, Chan CK, Shabab, T, Kadir, HA. 2013. Biological activities and phytochemicals of *Swietenia macrophylla* King. *Molecules*, vol. 18, pp. 10465-10483.
- Murray, RK, Granner, DK, Mayes, PA, Rodwell, VW. 2003. *Harper's illustrated biochemistry*. 26 edn. McGraw-Hill Companies. United States of America.
- Mursiti, S, Ersanghono, K. 2009. Isolasi, karakterisasi dan uji aktivitas hipoglikemik senyawa dalam biji mahoni bebas minyak dan minyak biji mahoni (*Swietenia macrophylla* King). Laporan Penelitian. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang.
- Nijveldt, RJ, Nood, E, Hoorn, DEC, Boelens, PG, Norren, K, Leeuwen, PAM. 2001. Flavonoids: a review of probable mechanisms of action and potential applications. *Am J Clin Nutr*, vol. 74, pp.418-425.
- Nour Eldin, EEM, Almarzouki, A, Assiri, AM, Elsheikh, OM, Mohamed, BEA, Babakr, AT. 2014. Oxidized low density lipoprotein and total antioxidant capacity in type-2 diabetic and impaired glucose tolerance Saudi men. *Diabetol Metab Syndr*, 6:94.
- Ohira, M, Yamaguchi, T, Saiki, A, Ban, N, Kawana, H, Nagayama, D, et al. 2014. Metformin reduces circulating malondialdehyde-modified low density lipoprotein in type 2 diabetes mellitus. *Clin Invest Med*, vol. 37, no. 4, E243-251.
- Parthasarathy, S, Raghavamenon, A, Garelnabi, MO, Santanam, N. 2010. Oxidized Low-Density Lipoprotein. *Methods Mol Biol*, no. 610, pp. 403-417.
- Pietta, P, Gardana, C, Pietta, A. 2013. *Flavonoids in health and disease*. 2 edn. Marcel Dekker Inc. New York.
- Poretzky, L. 2010. *Principles of diabetes mellitus*. 2 edn. Springer Science and Business Media.
- Salvamani, S, Gunasekaran, B, Shaharuddin, NA, Ahmad, SA, Shukor, MY 2014, 'Antiatherosclerotic effects of plant flavonoids', *Biomed Res Int*, Putra Malaysia University, Malaysia.

- Sarbini, D, Sargowo, D, Rohman, MS. 2007. Optimalisasi dosis ekstrak bunga rosella merah (*Hibiscus sabdariffa*, Linn) sebagai anti aterosklerosis untuk menghambat aktivasi NF- κ B, TNF- α dan ICAM-1 pada kultur sel endothel yang dipapar Low Density Lipoprotein teroksidasi. *J Kardiologi Ind*, vol. 8, no. 2, pp. 99 - 109.
- Sherwood, L. 2010. *Human physiology: from cells to systems*. 7 edn. Yolanda Cassio. Canada.
- Shimada, K, Makuno, H, Matsunaga, E, Miyazaki, T, Sumiyoshi, K, Kume, A, et al. 2004. Predictive value of circulating oxidized LDL for cardiac events in type 2 diabetic patients with coronary artery disease. *Diabetes Care*, vol. 27, no.3, pp.843-844.
- Suryani, N, Endang H, T, Aulanni'am, A. 2013. Pengaruh ekstrak metanol biji mahoni terhadap peningkatan kadar insulin, penurunan ekspresi TNF- α dan perbaikan jaringan pankreas tikus diabetes. *Jurnal Kedokteran Brawijaya*, no.4, vol.27, pp. 137-145.
- Schwenke, DC, D'Agostino, RB Jr, Goff, DC Jr, Karter AJ, Rewers MJ, Wagenknecht, LE. 2003. Differences in LDL oxidizability by glycemic status: the insulin resistance atherosclerosis study. *Diabetes Care*, vol. 26, no. 5, pp. 1449-1455.
- Tortora, GJ, Derrickson, B. 2012. *Principles of anatomy & physiology*. 13 edn. John Wiley & Sons Inc. United States of America.
- Toth, PP. 2005. The "Good Cholesterol": High-Density Lipoprotein. *Circulation*, vol. 111, no. 5, pp. 89-91. Dilihat pada 6 Agustus 2014 <http://circ.ahajournals.org/content/111/5/e89.full>
- Wilcox, LJ, Borradaile, NM, Huff, MW. 1999. Antiatherogenic properties of naringenin, a citrus flavonoid. *Cardiovascular Drug Reviews*, no. 2, vol. 17, pp. 160-178.
- Wild, S, Roglic, G, Green, A, Sicree, R, King, H. 2004. Global prevalence of diabetes. *Diabetes Care*, vol. 27, no. 5, pp. 1047-1053.

World Conservation Monitoring Centre. 1998. *Swietenia macrophylla*. Dilihat pada 18 September 2014 <http://www.iucnredlist.org/details/32293/0/>.

World Health Organization. 2015. *Diabetes*. Dilihat pada 21 Maret 2015 <http://www.who.int/>.

Yao, LH, Jiang, YM, Shi, J, Tomas BFA, Datta N, Singanusong R, et al. 2002. Flavonoid in food and their health benefits. *Plant Foods Hum Nutr*, vol. 59, no. 3 pp. 113-22.

Yoshida, H, Ishikawa, T, Hosoai, H, Suzukawa, M, Ayaori, M, Hisada, T, et al. 1999. Inhibitory effect of tea flavonoids on the ability of cells to oxidize low density lipoprotein. *Biochem Pharmacol*, 58(11), pp.1695-1703.