

## DAFTAR PUSTAKA

- ADA., 2012. Diagnosis and Classification of Diabetes Mellitus. *Diabetes Care* 35 (1): S64-71.
- Adam, J.M.F., 2005. Komplikasi Kronik Diabetik Masalah Utama Penderita Diabetes dan Upaya Pencegahan. *Suplement Vol 26 No.3*.
- Akanji, M., Ayorinde, B., Yakubu, M., 2009. Anti-lipidaemic Potentials of Aqueous Extract of *Tapinanthus globiferus* Leaves in Rats. *RPMP, (25) - Chemistry and Medicinal Value*.
- Akbarzeedeh. A., Norouzian. D., Mehrabi, M.R., Jamshidi, S.H., Farhangi, A., Vedi A.A., Mofidian, S.M.A., Rad Lame., 2007. Diabetes induction of by streptozotocin in rats. *Indian J Diabetes. 22(2): 60-64*.
- Almatsier, S., 2004. *Prinsip Dasar Ilmu Gizi*. Jakarta: Gedia Pustaka Utama.
- Asdie, A.H., 2000. *Patogenesis dan Terapi Diabetes Mellitus Tipe 2*. Yogyakarta: Medika FK UGM
- Ayoub, S.M., Rao, S., Byregowda, S.M., Satyanarayana, M.L., Bhat, N., Shridhar, N.B., Shridhar, P.B., 2013. Evaluation of eypoglycemic effect of *Momordica charantia* extract in distilled water in streptozotocin-diabetic rats. *Braz J Vet Pathol, 2013, 6(2), 56 – 64*.
- Barham, D. and D. Trinder. 1972. An improved color reagen for determination of blood glucose by the oxydase system. *Analist 97: 142-145*.
- Bishop, M.L., Fody, E.P., Schoeff, L.E., 2010. *Clinical chemistry : techniques, principles, correlations*. 6th edition. Philadelphia: Lippincott Williams and Wilkins.
- Boullier, A., Bird, D.A., Chang, M.K., Dennis, E.A., Friedman, P., Gillotretaylor, K., Horkko, S., Palinski, W., Quehenberger, O., Shaw, P., 2001. Scavenger receptors, oxidized LDL, and atherosclerosis. *Ann N Y Acad Sci 947: 214-222*.
- Braunwald, E., Fauci, A.S., Isselbacher, K.J., Wilson, J.D., Martin, J.B., Kasper, D.L., 2001. *Harrison's Principles of Interna Medicine*. Edisi ke-15.: McGraw Hill.
- Choi, C. S., Lee, F. N., Youn, J. H., 2001, Free Fatty Acids Induced Peripheral Insulin Resistance without Increasing Muscle Hexosamine Pathway Product Level in Rats, *Diabetes, (50) : 418-424*.

- Dalimartha., 1999. *Ramuan tradisional untuk pengobatan diabetes melitus*. Penebar Swadaya. Jakarta.
- Davis, S.N., 2006. Insulin, oral hypoglycemic agents, and the pharmacology of the endocrine pancreas. Dalam buku Goodman and Gilman's the pharmacological basis of therapeutics eleventh edition. *McGraw-Hill Medical Publishing Division*. New York.
- De Debasis., Chatterjee, K., Ali, K.M., Bera, T.K., Ghosh, D., 2011. Antidiabetic potentiality of the aqueous-methanolic extract of seed of *Swietenia mahagoni* (L.) Jacq. in streptozotocin-induced diabetic male albino rat: A correlative and evidence-based approach with antioxidative and antihyperlipidemic activities. *JEBCAM*. p 1-11.
- Dewanjee, S., Maiti, A., Das, K. A., Mandal, S. C., Dey, S. P., 2009. *Swietenia*: A potential oral hypoglycemic from *Swietenia macrophylla* sed. *Fitoterapia* 80: 249-51.
- Falah, S., Suzuki, T. & Katayama, T., 2008. Chemical constituents from *Swietenia macrophylla* bark and their antioxidant activity. *Pak J Biol Sci*, 11(16), pp.2007–2012.
- Federer, W. T. 1977. *Experimental Design Theory And Application*, Third Edition, Oxford and IBH Publishing Co, New Delhi Bombay Calcuta.
- Gerick J.E., 1998. The genetic basis of type 2 diabetes mellitus: impaired insulin secretion versus impaired insulin sensitivity. *Endocr. Rev.* 19: 491–503.
- Giovannucci, E., 2001. Insulin, insulin-like growth factors and colon cancer: a review of the evidence. *J. Nutr.* 131: 3109S–3120S.
- Giugliano, D., Ceriello, A., Paolisso, G., 1996. Oxidative stress and diabetic vascular complication. *Diabetes Care* 19(3): 257-67.
- Halliwell, B., Gutteridge, J.M.C., 1999. *Free radical in biology and medicine*. Third edition. New York: Oxford University Press, pp: 639-45.
- Harvey, R.A., Champe, P.C., 2009. *Farmakologi Ulasan Bergambar Edisi 4. Penerbit Buku Kedokteran EGC. Jakarta.*
- Hendromartono. 2006. *Penuntun penatalaksanaan dislipidemia di Indonesia*. Surabaya: Pusat diabetes dan nutrisi RSU Dr. soetomo - FK Unair, pp: 29-31. Horowitz et al, 1993
- Josten, S., Mutmainnah, Hardjoeno. 2006. Profil lipid penderita diabetes melitus tipe 2. *Indonesian J Clin Path Med Lab* 13(1): 20-22.

- Kadota, S., Marpaung, L., Kikuchi, T., Ekimoto, H. 1990. Constituents of the seed of *Swietenia mahagoni* JACQ. I. isolations, structures and <sup>1</sup>H and <sup>13</sup>C nuclear magnetic resonance signal assignment of new tetranortriterpenoids related to swietenine and swietenolide. *Chem Pharm Bull* 38: 639-51.
- Kartikasari, R.D. 2013. *Peningkatan kadar kolesterol total darah tikus wistar (Rattus nevergicus) jantan seteahl terpapar sidestream cigarette rokok*. Universitas Jember. Jember.
- Katzung, B.G., Masters, S.B., Trevor, A.J., 2012. *Basic & Clinical Pharmacology* 12th Edition. San Fransisco.
- Krisnawati, H., Kallio, M., Kanninen, M., 2011. Ecology silviculture and productivity *Swietenia macrophylla* King. Cifor. Bogor. Indonesia.
- Kumar. V., Abbas. A.K., Fausto. N., 2004. *Pathologic Basis of Disease*, 7<sup>th</sup> Edition, Philadelphia, W.B. Saunders Co.
- Lau, W.K., Goh, B.H., Kadir, H.A., Shu-Chien, A.C., Muhammad, T.S.T., 2015. Potent PPAR $\gamma$  Ligands from *Swietenia macrophylla* Are Capable of Stimulating Glucose Uptake in Muscle Cells. *Molecules* 20:22301–22314
- Lu, J., Wang, Y., Yan, H., Lin, P., Gu, W., Yu, J., 2016. Antidiabetic effect of total saponins from *Polygonatum kingianum* in streptozotocin-induced daibetic rats. *Journal of Ethnopharmacology* 179: 291-300
- Lullman, H., Mohr, K., Ziegler, A., Bieger D., 2000. *Color Atlas of Pharmacology* 2<sup>nd</sup> Edition. *Department of Pharmacology University of Kiel*. Germany.
- Maiti, A., Dewanjee, S., Kundu, M., Mandal, S.C., 2009. Evaluation of antidiabetic activity of the seeds of *Swietenia macrophylla* in diabetic rats. *Pharmaceut. Biol.* 47(2):132-136
- Manaf, Asman., 2007. Insulin: Mekanisme Sekresi dan Aspek Metabolisme. Dalam: *Buku Ajar Ilmu Penyakit Dalam*. Edisi IV. Jakarta: Fakultas Kedokteran Universitas Indonesia.
- Maritim, A.C., Sanders, R.A., Watkins, J.B. 2003. Diabetes, oxidative stress, and antioxidants: A review. *J Biochem Mol Toxicol* 17(1):24-38.
- Martoprawiro, S. S., Willy, S., 2002. *Prinsip-prinsip Imunomikroskopis*, Universitas Airlangga, Surabaya.
- Mezzetti, A., Zuliani, G., Romano, F., Costantini, F., Pierdomenico, S.D., Staniscia, T., Cuccurullo, F., Fellin, R. 2001. Vitamin E and lipid peroxide

plasma level predict the risk of cardiovascular events in a group healthy very old people. *J Am Geriatr Soc* 49: 533-7.

Mootoo, B.S., Ali, A., Motilal, R., Pinga, R., Ramlal, A., Khan, A., Reynold, W.F. dan McLean, S., 1999. Limonoids from *Swietenia macrophylla* and *S.aubrevilleana*. *J Nat Prod*, 62(11), pp.1514–1517.

Murray, R. K., Granner, D.K., Mayes, P.A., Rodwell, V.W. 2003. Biokimia Harper. Edisi 25. Jakarta: EGC.

Mursiti, S., 2004. Identifikasi senyawa alkaloid dalam biji mahoni bebas minyak (*Swietenia macrophylla* King) dan efek biji mahoni terhadap penurunan kadar glukosa darah tikus (*Rattus norvegicus*). Tesis. Yogyakarta. Universitas Gadjah Mada. tidak dipublikasi.

Mycek, M., 2001. Farmakologi Ulasan Bergambar. *Widya Medika*. Jakarta.

Nascimento, M., Arruda, M.S.P., Castro, K.C.F., Fatima, M., da Siva, G/F., Fernandez, J.B., Vieira, P.C., 2008. Limonoids of the phragmalin type from *Swietenia macrophylla* and their chemotaxonomic significance. *J.Nat.Prod.* 71:1983-1987.

Nugraha, A., 2012. Docking Molekuler Dan Aktivitas Antihiperlipemik Senyawa Aktif Hasil Isolasi Dari Ekstrak Metanol Biji Mahoni (*Swietenia macrophylla* King) Pada Tikus Diabetes Setelah Induksi Streptozotisin. Tesis. Yogyakarta. Universitas Gadjah Mada. Dipublikasi.

Nugroho, A.E., Syamsul, E.S., Andrie, M., Warditiani, N.K., Lukitaningsih, E., Pramono, S., 2012. The Antidiabetics of Purified Extract of *Andrographis paniculata* (Burm.f.) Ness and its Active Compound Andrographolide in High Fructose-Fat Fed Rats. *Indian Journal of Pharmacology*, 44: 377-381.

Olefsky, J.M., Revers, R.R., Prince, M. 1985. Insulin resistance in non-insulin dependent (type II) and insulin dependent (type I) diabetes mellitus. *Adv Exp Med Biol* 189: 176-205.

Ozdemirler, G., Mehmetcik, G., Oztezcan, S., Toker, G., Sivas, A., Uysal, M. 1995. Peroxidation potential and antioxidant activity of serum in patients with diabetes mellitus and myocardial infarction. *Horm Metab Res* 27: 194-96.

Pari, L., Venkateswaran, S., 2003. Effect of an aqueous extract of *Phaseolus vulgaris* on the properties of tail tendon collagen of rats with

streptozotocin-induced diabetes. *Brazilian Journal of Medical and Biological Research*. 36 (7) : 861-870

Pimentel, P., 2007. Diabetes Prevalence Surges to 246 million. *Medical Tribune*.

Price, S.A., Wilson, L.M., 2005. *Pathophysiology Clinical Concepts of Disease Processes*. (4th ed). Vol. 2. (p 1109-1110). Jakarta. Penerbit Buku Kedokteran EGC.

Qin, B., Nagasaki, M., Ren, M., 2004, Cinnamon Extract Prevents The Insulin Resistance Induced by High-Fructose Diet, *Horm. Metab. Res.*, 36 : 119-12.

Ratnawati, H., Widowati, W., 2011. Anticholesterol Activity of Velvet Bean (*Mucuna pruriens L.*) Towards Hypercholesterolemic Rats. *Sains Malaysiana*, 40(4) pp. 317–321

Rosenblatt, S., Miskin, B., Glazer, N. B., Prince, M.J., Robertson, K.E., 2001. The impact of pioglitazone on glycemic control and atherogenic dyslipidemia in patients with type 2 diabetes mellitus. *Coron Artery Dis*;15(5):413-423

Sereday, M.S.D., Gonzalez, C., Giorgini, D., Loreda, L. D., Braguinsky, J., Cobenas, C., 2004. Prevalence of diabetes, obesity, hypertension and hyperlipidemia in the central area of Argentina. *Diabetes Metab* 30: 335-9.

Silbernagl, S., Lang, F., 2012. Teks & Atlas Berwarna Patofisiologi. *Penerbit Buku Kedokteran EGC*. Jakarta.

Sreemantula, S., Kilari, E.K., Vardhan, V.A., Jaladi, R., 2005. Influence of Antioxidant (L-ascorbic acid) on Tolbutamide Induced Hypoglycaemic/Antihyperglycaemic in Normal and Diabetic Rats. *BMC Endocrine Disorders*, 5.(2), doi:10.1186/1472-6823-52.

Sutardhio, H. 2006. Dislipidemia. *Meditek Majalah Kedokteran Fakultas Kedokteran Universitas Kristen Krida Wacana (UKRIDA)*14 (36):19-26.

Suyono, S., 2009. Diabetes Melitus di Indonesia dalam Buku Ajar Penyakit Dalam. Jilid III. *Internal Publishing*. 1877-79.

Szkudelski, T., 2001. The mechanism of alloxan and streptozotocin action in  $\beta$  cell of the rat pancreas. *Physiologi Research Journal*. 50. pp. 536-546.

Tesch, G.H., Allen, T.J., 2007. Rodent models of streptozotocin-induced diabetic nephropathy (methods in renal research). *Nephrology*. 12:261-266

- Tjay, T.H., Kirana, R., 2007. *Obat-obat penting, khasiat, penggunaan dan efek sampingnya*. PT Elex Media Komputindo Kelompok Gedia. Jakarta
- Tjokroprawiro, A., 2006. *Hidup Sehat dan Bahagia Bersama Diabetes Melitus*. Jakarta : Gedia Pustaka Utama
- Varghese, F., Bukhari, A.B., Malhotra, R. & De, A., 2014. IHC Profiler: An Open Source Plugin for the Quantitative Evaluation and Automated Scoring of Immunohistochemistry Images of Human Tissue Samples. *PLoS ONE*, 9(5): 1-11.
- Votey, S. R., Peters, A. L., 2010. Diabetes Melitus, Type 2 - A Review, available et <http://emedicine.medscape.com/article/766143-print>.
- World Health Organization. 2014. Diabetes. Diakses dari <http://www.who.int/diabetes> pada tanggal 7 Juni 2015.
- Wulandari, C.E., 2010. Pengaruh Pemberian ekstrak bawang merah (*Allium ascatonicol*) pada tikus wistar dengan hiperglikemia. *Artikel Karya Tulis Ilmiah. Fakultas Kedokteran Universitas Diponegoro*. Semarang.
- Yu, B.C., Hung, C.R., Chen, W.C., Cheng, J.T., 2003. Antihyperglycemic effect of andrographolide in streptozotocin induced diabetic rats. *Planta Med* 2003, 69: 1075-1079.