DAFTAR PUSTAKA

AAH NUGRAHA, Prof. Dr. M. M. Kes. , Apt. ,. (2012). *Docking molekuler dan aktivitas antihiperglikemik senyawa aktif hasil isolasi dari ekstrak metanol biji mahoni (swietenia macrophylla king) pada tikus diabetes setelah induksi streptozotosin*. Universitas Gadja Mada.

Adnyana, I. D. P. A., Meles, D. K., Wurlina, ., Zakaria, S., & Suwasanti, N. (2017). Efek Anti Diabetes Buah Pare (Momordica charantia Linn.) Terhadap Kadar Glukosa Darah, Sel Penyusun Pulau Langerhans dan Sel Leydig pada Tikus Putih Hiperglikemia. *Acta VETERINARIA Indonesiana*. https://doi.org/10.29244/avi.4.2.43-50

Aguirre, V., Werner, E. D., Giraud, J., Lee, Y. H., Shoelson, S. E., & White, M. F. (2002). Phosphorylation of Ser307 in insulin receptor substrate-1 blocks interactions with the insulin receptor and inhibits insulin action. *Journal of Biological Chemistry*, *277*(2), 1531–1537. https://doi.org/10.1074/jbc.M101521200

American Diabetes Association. (2019). Diabetes : MedlinePlus enciclopedia médica. *Diabetes care*. https://doi.org/10.2337/dc19-S002

Anai, M., Ono, H., Funaki, M., Fukushima, Y., Inukai, K., Ogihara, T., Sakoda, H., Onishi, Y., Yazaki, Y., Kikuchi, M., Oka, Y., & Asano, T. (1998). Different subcellular distribution and regulation of expression of insulin receptor substrate (IRS)-3 from those of IRS-1 and IRS-2. *Journal of Biological Chemistry*, *273*(45), 29686–29692. https://doi.org/10.1074/jbc.273.45.29686

Ayellet, V. S., Groop, L., Mootha, V. K., Daly, M. J., & Altshuler, D. (2010). Common inherited variation in mitochondrial genes is not enriched for associations with type 2 diabetes or related glycemic traits. *PLoS Genetics*, *6*(8). https://doi.org/10.1371/journal.pgen.1001058

Aynalem, S. B., & Zeleke, A. J. (2018). Prevalence of Diabetes Mellitus and Its Risk Factors among Individuals Aged 15 Years and above in Mizan-Aman Town, Southwest Ethiopia, 2016: A Cross Sectional Study. *International Journal of Endocrinology*. https://doi.org/10.1155/2018/9317987

Azizah, N. et al. , 2016. (2016). PENGARUH ISOLAT 1, 4-bis-(3, 4, 5-trimetoksi-fenil)-tetrahidrofuro (3, 4c) furan DARI BIJI MAHONI (Swietenia macrophylla King) TERHADAP VIABILITAS SEL ROBLAS. *Universitas Gadjah Mada*.

Björnholm, M., & Zierath, J. R. (2005). Insulin signal transduction in human skeletal muscle: Identifying the defects in Type II diabetes. *Biochemical Society Transactions*, *33*(2), 354–357. https://doi.org/10.1042/BST0330354

Borge, P. D., Moibi, J., Greene, S. R., Trucco, M., Young, R. A., Gao, Z., & Wolf, B. A. (2002). Insulin receptor signaling and sarco/endoplasmic reticulum calcium ATPase in β-cells. *Diabetes*, *51*(SUPPL. 3), 427–433. https://doi.org/10.2337/diabetes.51.2007.s427

Bray, G. A., Lovejoy, J. C., Smith, S. R., DeLany, J. P., Lefevre, M., Hwang, D., Ryan, D. H., & York, D. A. (2002). The Influence of Different Fats and Fatty Acids on Obesity, Insulin Resistance and Inflammation. *The Journal of Nutrition*. https://doi.org/10.1093/jn/132.9.2488

Carvalho_J_et_al_2001_citationnbib. (t.t.).

Chang, Y. C., & Chuang, L. M. (2010). The role of oxidative stress in the pathogenesis of type 2 diabetes: From molecular mechanism to clinical implication. *American Journal of Translational Research*, *2*(3), 316–331.

Da Silva, M. N., Arruda, M. S. P., Castro, K. C. F., Da Silva, M. F. D. G. F., Fernandes, J. B., & Vieira, P. C. (2008). Limonoids of the phragmalin type from Swietenia macrophylla and their chemotaxonomic significance. *Journal of Natural Products*, *71*(12), 1983–1987. https://doi.org/10.1021/np800312h

DeFronzo, R. A. (2004). Pathogenesis of type 2 diabetes mellitus. *Medical Clinics of North America*, *88*(4), 787–835. https://doi.org/10.1016/j.mcna.2004.04.013

Draznin, B. (2006). Molecular mechanisms of insulin resistance: Serine phosphorylation of insulin receptor substrate-1 and increased expression of p85 α: The two sides of a coin. *Diabetes*, *55*(8), 2392–2397. https://doi.org/10.2337/db06-0391

Eid, A. M. M., Elmarzugi, N. A., & El-Enshasy, H. A. (2013). A review on the phytopharmacological effect of Swietenia macrophylla. Dalam *International Journal of Pharmacy and Pharmaceutical Sciences*.

Evans, J. L., Goldfine, I. D., Maddux, B. A., & Grodsky, G. M. (2002). Oxidative stress and stress-activated signaling pathways: A unifying ɔthesis of type 2 diabetes. *Endocrine Reviews*, *23*(5), 599–622. s://doi.org/10.1210/er.2001-0039

Falah, S., Suzuki, T., & Katayama, T. (2008). Chemical constituents from Swietenia macrophylla bark and their antioxidant activity. *Pakistan Journal of Biological Sciences*, *11*(16), 2007–2012. https://doi.org/10.3923/pjbs.2008.2007.2012

Ferara, C. M., & Godlberg, A. P. (2001). Limited Value of the Homeostasis Model Assessment to Predict Insulin Resistance. *Diabetes care*, *24*(2), 245–249.

Ghosh, D., De, D., Chatterjee, K., Ali, K. M., & Bera, T. K. (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. *Evidence-based Complementary and Alternative Medicine*, *2011*(August 2015). https://doi.org/10.1155/2011/892807

H., K., M.H., K., & M., K. (2011). Swietenia macrophylla King: Ecology, silviculture and productivity. *Swietenia macrophylla King: Ecology, silviculture and productivity*. https://doi.org/10.17528/cifor/003395

Hasanuddin, R., Rasyid, H., Bukhari, A., Djide, N., Alim, N., & Syamsu, S. I. (2022). *EFFECTS OF HIGH FAT DIET FEEDING AND COFFEE BEAN EXTRACT ON HBA1C AND BLOOD GLUCOSE OF WISTAR STRAIN RATS*. https://doi.org/10.17605/OSF.IO/73X2A

Home, P. D. (2015). Plasma insulin profiles after subcutaneous injection: How close can we get to physiology in people with diabetes? *Diabetes, Obesity and Metabolism*, *17*(11), 1011–1020. https://doi.org/10.1111/dom.12501

Honka, M. J., Latva-Rasku, A., Bucci, M., Virtanen, K. A., Hannukainen, J. C., Kalliokoski, K. K., & Nuutila, P. (2018). Insulin-stimulated glucose uptake in skeletal muscle, adipose tissue and liver: A positron emission tomography study. *European Journal of Endocrinology*. https://doi.org/10.1530/EJE-17-0882

Internation Diabetes Federation. (2019). IDF Diabetes Atlas Ninth. Dalam *Dunia : IDF*.

Jovicic, N., Jeftic, I., Jovanovic, I., Radosavljevic, G., Arsenijevic, N., Lukic, M. L., & Pejnovic, N. (2015). Differential immunometabolic phenotype h1 and Th2 dominant mouse strains in response to high-fat feeding. *S ONE*, *10*(7), 1–21. https://doi.org/10.1371/journal.pone.0134089

A., Sumida, Y., Gabazza, E. C., Murashima, S., Furuta, M., Araki-aki, R., Hori, Y., Yano, Y., & Adachi, Y. (2001). Homeostasis model

assessment is a reliable indicator of insulin resistance during follow-up of patients with type 2 diabetes. *Diabetes Care*, *24*(2), 362–365. https://doi.org/10.2337/diacare.24.2.362

Katsuki, A., Sumida, Y., Urakawa, H., Gabazza, E. C., Murashima, S., Morioka, K., Kitagawa, N., Tanaka, T., Araki-Sasaki, R., Hori, Y., Nakatani, K., Yano, Y., & Adachi, Y. (2002). Neither homeostasis model assessment nor quantitative insulin sensitivity check index can predict insulin resistance in elderly patients with poorly controlled type 2 diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, *87*(11), 5332–5335. https://doi.org/10.1210/jc.2002-020486

Kemenkes RI. (2014). Waspada Diabetes. Dalam *American Journal of Medical Genetics, Part A*. https://doi.org/10.1002/ajmg.a.35913

Kim, J. A., Wei, Y., & Sowers, J. R. (2008). Role of mitochondrial dysfunction in insulin resistance. *Circulation Research*, *102*(4), 401–414. https://doi.org/10.1161/CIRCRESAHA.107.165472

Kulkarni, R. N., Roper, M. G., Dahlgren, G., Shih, D. Q., Kauri, L. M., Peters, J. L., Stoffel, M., & Kennedy, R. T. (2004). Islet secretory defect in insulin receptor substrate 1 null mice is linked with reduced calcium signaling and expression of sarco(endo)plasmic reticulum Ca2+-ATPase (SERCA)-2b and -3. *Diabetes*, *53*(6), 1517–1525. https://doi.org/10.2337/diabetes.53.6.1517

Lichtenstein, A. H., & Schwab, U. S. (2000). Relationship of dietary fat to glucose metabolism. Dalam *Atherosclerosis*. https://doi.org/10.1016/S0021-9150(99)00504-3

Martins, A. R., Nachbar, R. T., Gorjao, R., Vinolo, M. A., Festuccia, W. T., Lambertucci, R. H., Cury-Boaventura, M. F., Silveira, L. R., Curi, R., & Hirabara, S. M. (2012). Mechanisms underlying skeletal muscle insulin resistance induced by fatty acids: Importance of the mitochondrial function. Dalam *Lipids in Health and Disease*. https://doi.org/10.1186/1476-511X-11-30

Mikirova, N., Riordan, H. D., Kirby, R. K., Klykov, A., & Jackson, J. A. (2005). Monitoring of ATP levels in red blood cells and T cells of healthy and ill subjects and the effects of age on mitochondrial potential. *Journal of Orthomolecular Medicine*, *20*(1), 50–58.

B. S., Ali, A., Motilal, R., Pingal, R., Ramlal, A., Khan, A., Reynolds, ⁼., & McLean, S. (1999). Limonoids from Swietenia macrophylla and ɑubrevilleana. *Journal of Natural Products*, *62*(11), 1514–1517. s://doi.org/10.1021/np990199x

MURSITI, S. Prof. Dr. S. M. (2004). *Identifikasi Senyawa alkaloid dalam biji mahoni bebas minyak (Swietenia macrophylla King) dan efek biji mahoni terhadap penurunan kadar glukosa darah tikus putih (Rattus Novergicus)*.

Muthmainah, M., Yarso, K. Y., Purwanto, B., Mudigdo, A., & Mustofa, M. (2019). 1,4-bis-3,4,5-trimethoxy-phenyl-tetrahydro-furo(3,4-c) furan from mahogany (swietenia macrophylla king) seed significantly reduces glucose and malondialdehyde levels in diabetic wistar rats. *Bali Medical Journal*. https://doi.org/10.15562/bmj.v8i2.1227

Myers, M. G., Wang, L. M., Sun, X. J., Zhang, Y., Yenush, L., Schlessinger, J., Pierce, J. H., & White, M. F. (1994). Role of IRS-1-GRB-2 complexes in insulin signaling. *Molecular and Cellular Biology*, *14*(6), 3577–3587. https://doi.org/10.1128/mcb.14.6.3577

Nayak, Y., Hillemane, V., Daroji, V. K., Ayashree, B. S. J., & Unnikrishnan, M. K. (2014). Antidiabetic activity of benzopyrone analogues in nicotinamide-streptozotocin induced type 2 diabetes in rats. *Scientific World Journal*, *2014*. https://doi.org/10.1155/2014/854267

O'Brien, T. P., Jenkins, E. C., Estes, S. K., Castaneda, A. V., Ueta, K., Farmer, T. D., Puglisi, A. E., Swift, L. L., Printz, R. L., & Shiota, M. (2017). Correcting postprandial hyperglycemia in Zucker diabetic fatty rats with an SGLT2 inhibitor restores glucose effectiveness in the liver and reduces insulin resistance in skeletal muscle. *Diabetes*, *66*(5), 1172–1184. https://doi.org/10.2337/db16-1410

Patti, M. E., Butte, A. J., Crunkhorn, S., Cusi, K., Berria, R., Kashyap, S., Miyazaki, Y., Kohane, I., Costello, M., Saccone, R., Landaker, E. J., Goldfine, A. B., Mun, E., DeFronzo, R., Finlayson, J., Kahn, C. R., & Mandarino, L. J. (2003). Coordinated reduction of genes of oxidative metabolism in humans with insulin resistance and diabetes: Potential role of PGC1 and NRF1. *Proceedings of the National Academy of Sciences of the United States of America*, *100*(14), 8466–8471. https://doi.org/10.1073/pnas.1032913100

Petersen, M. C., & Shulman, G. I. (2018). Mechanisms of insulin action and insulin resistance. *Physiological Reviews*, *98*(4), 2133–2223. https://doi.org/10.1152/physrev.00063.2017

Pustaka, D., Adam, A., Akanji, J. M. F., Ayorinde, M., Yakubu, B., arzeedeh, M. A., Norouzian, D., Mehrabi, M. R., Jamshidi, S. H., ıangi, A., Vedi, A. A., Mofidian, S. M. A., Lame ; Almatsier, R., Rao, S. M., Byregowda, S., Satyanarayana, S. M., Bhat, M. L., Shridhar, Shridhar, N. B., … Youn, F. N. (2012). Anti-lipidaemic Potentials of

Aqueous Extract of Tapinanthus globiferus Leaves in Rats. RPMP, (25)-Chemistry and Medicinal Value. Dalam *Prinsip Dasar Ilmu Gizi. Jakarta: Gedia Pustaka Utama. Asdie, A.H* (Vol. 35, Nomor 1). McGraw Hill. Choi. http://etd.repository.ugm.ac.id/

Qu, H. Q., Li, Q., Rentfro, A. R., Fisher-Hoch, S. P., & McCormick, J. B. (2011). The definition of insulin resistance using HOMA-IR for americans of mexican descent using machine learning. *PLoS ONE*, *6*(6), 4–7. https://doi.org/10.1371/journal.pone.0021041

Rachmawani, N. R., & Oktarlina, R. Z. (2017). Khasiat Pemberian Buncis (Phaseolus vulgaris L .) sebagai Terapi Alternatif Diabetes Melitus Tipe 2. *Majority*.

Ridwan, R., Natzir, R., Rasyid, H., Patellongi, I., Hatta, M., Linggi, E. B., Bukhari, A., & Bahrun, U. (2019). Decreased renal function induced by high-fat diet in Wistar rat: The role of plasma angiotensin converting enzyme 2 (ACE2). *Biomedical and Pharmacology Journal*. https://doi.org/10.13005/bpj/1756

RISKESDAS. (2018). *Hasil Utama Riskesdas Tentang Prevalensi Diabetes Mellitus di Indonesia 2018*. Hasil Utama Riskesdas Tentang Prevalensi Diabetes Melitus di Indonesia 2018.

Saeedi, P., Petersohn, I., Salpea, P., Malanda, B., Karuranga, S., Unwin, N., Colagiuri, S., Guariguata, L., Motala, A. A., Ogurtsova, K., Shaw, J. E., Bright, D., & Williams, R. (2019). Global and regional diabetes prevalence estimates for 2019 and projections for 2030 and 2045: Results from the International Diabetes Federation Diabetes Atlas, 9th edition. *Diabetes Research and Clinical Practice*. https://doi.org/10.1016/j.diabres.2019.107843

Sari, & Mursiti. (2016). Isolasi Flavonoid dari Biji Mahoni (Swietenia Macrophylla, King) Dan Uji Aktivitasnya Sebagai Antibakteri. *Indonesian Journal of Chemical Science*.

Sesti, G., Federici, M., Hribal, M. L., Lauro, D., Sbraccia, P., & Lauro, R. (2001). Defects of the insulin receptor substrate (IRS) system in human metabolic disorders. *FASEB Journal*, *15*(12), 2099–2111. https://doi.org/10.1096/fj.01-0009rev

Sims, E. K., Hatanaka, M., Morris, D. L., Tersey, S. A., Kono, T., Chaudry, [illegible]., Day, K. H., Moss, D. R., Stull, N. D., Mirmira, R. G., & Evans-[illegible]ina, C. (2013). Divergent compensatory responses to high-fat diet [illegible]veen C57Bl6/J and c57BlKS/J inbred mouse strains. *American*

Journal of Physiology - Endocrinology and Metabolism, *305*(12), 1495–1511. https://doi.org/10.1152/ajpendo.00366.2013

Sugita, M., Sugita, H., & Kaneki, M. (2004). Increased insulin receptor substrate 1 serine phosphorylation and stress-activated protein kinase/c-Jun N-terminal kinase activation associated with vascular insulin resistance in spontaneously hypertensive rats. Dalam *Hypertension* (Vol. 44, Nomor 4, hlm. 484–489). https://doi.org/10.1161/01.HYP.0000140778.53811.20

Sukardiman, & Ervina, M. (2020). The recent use of Swietenia mahagoni (L.) Jacq. as antidiabetes type 2 phytomedicine: A systematic review. Dalam *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e03536

Syamsul, E. S., Nugroho, A. E., & Pramono, S. (2011). Aktivitas antidiabetes kombinasi ekstrak terpurifikasi herba Sambiloto (Andrographis paniculata(Burn.F.)Ness.) dan Metformin pada tikus DM tipe 2 resisten Insulin. *Majalah Obat Tradisional*.

Syarif, Rasyid, H., Aman, M., & Lawrence, G. S. (2021). High-fat diet increases the level of circulating Monocyte Chemoattractant Protein-1 in Wistar rats, independent of obesity. *Annals of Medicine and Surgery*, *65*. https://doi.org/10.1016/j.amsu.2021.102266

Wang, Y., Wang, P.-Y., Qin, L.-Q., Davaasambuu, G., Kaneko, T., Xu, J., Shin-ichi, M., Katoh, R., & Sato, A. (2003). The development of diabetes mellitus in wistar rats kept on a high-fat/low-carbohydrate diet for long periods. *Endocrine*, *22*(2), 85–92. https://doi.org/10.1385/ENDO:22:2:85

Wiederkehr, A., & Wollheim, C. B. (2006). Minireview: Implication of mitochondria in insulin secretion and action. *Endocrinology*, *147*(6), 2643–2649. https://doi.org/10.1210/en.2006-0057

Wild. (2004). Estimates for the year 2000 and projections for 2030. *World Health*. https://doi.org/10.2337/diacare.27.5.1047 Diabetes Care May 2004 vol. 27 no. 5 1047-1053

Yusuf, M., & Aris Agung Nugrahaningsih, D. (t.t.). 4,5-trimetoksi-fenil)-tetrahidrofuro (3,4-c) furan Terhadap Resistensi Insulin dan Ekspresi protein serin 307 IRS-1 di Jaringan Otot Skelet pada Tikus DM tipe 2. Dalam *Pengaruh isolat* (Vol. 1). http://etd.repository.ugm.ac.id/


PDF
Optimized using
trial version
www.balesio.com