

DAFTAR PUSTAKA

- American Diabetes Association. (2014). Diagnosis and classification of diabetes mellitus. *Diabetes care*, 37, S81. Diakses melalui <http://bit.ly/1shhGcT>.
- Armania, N., Yazan, L. S., Ismail, I. S., Foo, J. B., Tor, Y. S., *et al.* (2013). *Dillenia Suffruticosa Extract Inhibits Proliferation of Human Breast Cancer Cell Lines (MCF-7 and MDA-MB-231) via Induction of G2/M Arrest and Apoptosis*. *Molecules*, 2013, 18, 13320-13339
- Armania, N., Yazan, LS., Musa, SN., Ismail, IS., Foo,JB., *et al.* (2013). *Dillenia suffruticosa exhibited antioxidant and cytotoxic activity through induction of apoptosis and G2/M cell cycle arrest*. *Journal of Ethnopharmacology* 146(2013):525–535.
- Atkinson, M. A., Eisenbarth, G. S., & Michels, A. W. (2014). Type 1 diabetes. *Lancet*, 383(9911), 69–82.
- Chandramohan, R., Pari, L., Rathinam, A., & Sheikh, B. A. (2015). Tyrosol, a phenolic compound, ameliorates hyperglycemia by regulating key enzymes of carbohydrate metabolism in streptozotocin induced diabetic rats. *Chemico-biological interactions*, 229, 44-54.
- Dabelea D. (2009). The accelerating epidemic of childhood diabetes. *Lancet*.; 373:1999–2000.
- Dambinska-Kiec, A., Mykkanen, O., Kiec-Wilk, Beata., & Hannu, M. (2008). *Antioxidant Phytochemicals Against Type 2 Diabetes*. *British Journal of Nutrition*, 99, E-Suppl. 1, ES109–ES117.
- Evans, J. M. M., Ogston, S. A., Emslie-Smith, A., & Morris, A. D. (2006). Risk of mortality and adverse cardiovascular outcomes in type 2 diabetes: a comparison of patients treated with sulfonylureas and metformin. *Diabetologia*, 49: 930–936.
- Foo, J. B., Yazan, L. S., Tor, Y. S., Wibowo, A., Ismail, N., *et al.* (2015). Induction of cell cycle arrest and apoptosis by betulinic acid-rich fraction from *Dillenia suffruticosa* root in MCF-7 cells involved p53/p21 and mitochondrial signalling pathway. *Journal of ethnopharmacology*, 166, 270-278.
- Foo, J. B., Yazan, L. S., Tor, Y. S., Wibowo, A., Ismail, N., *et al.* (2016). *Dillenia suffruticosa* dichloromethane root extract induced apoptosis towards MDA-MB-231 triple-negative breast cancer cells. *Journal of ethnopharmacology*, 187, 195-204.

- Gandhi, G. R., Ignacimuthu, S., & Paulraj, M. G. (2011). *Solanum Torvum Swartz. Fruit Containing Phenolic Compounds Shows Antidiabetic and Antioxidant Effects in Streptozotocin Induced Diabetic Rats*. *Food and Chemical Toxicology*, 49: 2725–2733.
- Harjutsalo V, Sjoberg L, Tuomilehto J. (2008). Time trends in the incidence of type 1 diabetes in Finnish children: a cohort study. *Lancet*.; 371:1777–82.
- Handelsman, Y., Mechanick, J., Blonde, L., Grunberger, G., Bloomgarden, Z., *et al.* (2011). American Association of Clinical Endocrinologists Medical Guidelines for Clinical Practice for developing a diabetes mellitus comprehensive care plan. *Endocrine Practice*.
- International Diabetes Federation. (2015). *IDF diabetes atlas (7thed)*. United Kingdom: International Diabetes Federation.
- Klein-Schwartz W, Stassinis GL, Isbister GK (2016). Treatment of sulfonylurea and insulin overdose. *Br J Clin Pharmacol*. (3):496-504.
- Kumar, Suresh *et al.* (2012). Acute and Chronic Animal Models for the Evaluation of Anti-Diabetic Agents. *Cardiovascular Diabetology* 11 (2012): 9. *PMC*. Web. 18 Feb. 2018.
- Lenzen, S. (2008). The mechanisms of alloxan-and streptozotocin-induced diabetes. *Diabetologia*, 51(2), 216-226.
- Leslie, R. D. (2010). Predicting Adult-Onset Autoimmune Diabetes: Clarity From Complexity. *Diabetes*, 59(2), 330–331.
- Martín, M. Á., Ramos, S., Cordero-Herrero, I., Bravo, L., & Goya, L. (2013). Cocoa phenolic extract protects pancreatic beta cells against oxidative stress. *Nutrients*, 5(8), 2955-2968.
- Muliawan, S. Y. (2016). Effect of *Dillenia suffruticosa* extract on dengue virus type 2 replication. *Universa Medicina*, 27(1), 1-5.
- Nayak, Y., Hillemane, V., Daroji, V. K., Jayashree, B. S., & Unnikrishnan, M. K. (2014). Antidiabetic Activity of Benzopyrone Analogues in Nicotinamide-Streptozotocin Induced Type 2 Diabetes in Rats. *The Scientific World Journal*, 2014, 854267.
- Nugroho, A. E. (2006). Hewan percobaan diabetes mellitus patologi dan mekanisme aksi diabetogenik. *Biodiversitas*, 7(4), 378-382.

- Omar, B. A., Vikman, J., Winzell, M. S., Voss, U., Ekblad, E., *et al.* (2013). Enhanced beta cell function and anti-inflammatory effect after chronic treatment with the dipeptidyl peptidase-4 inhibitor vildagliptin in an advanced-aged diet-induced obesity mouse model. *Diabetologia*, 56(8), 1752-1760.
- Perkumpulan Endokrin Indonesia (PERKENI), (2015). Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia. Pengurus Besar Perkumpulan Endokrin Indonesia (PB PERKENI).
- Prameswari, O. M., & Widjanarko, S. B. (2013). Uji Efek Ekstrak Air Daun Pandan Wangi Terhadap Penurunan Kadar Glukosa Darah Dan Histopatologi Tikus Diabetes Mellitus [In Press 2014]. *Jurnal Pangan dan Agroindustri*, 2(2), 16-27.
- Price, S.A. dan L.M. Wilson. (2014). *Pathophysiology: clinical concepts of disease processes*. edisi ke 6. Jakarta: EGC
- Purnamasari, D. (2015). Diagnosis dan klasifikasi diabetes mellitus. In S. Setiati, I. Alwi, A. W. Sedoyo, M. Simadibrata, *at al* (Eds.), Ilmu penyakit dalam. Jakarta: Internapublishing.
- Sherwood, L. (2014). *Fisiologi Manusia*. Edisi ke 6. Diterjemah oleh: Pendit, B. U. Jakarta: EGC
- Singh, P., Mishra, A., Singh, P., Goswami, S., Singh, A., *et al.* (2015). Diabetes mellitus and use of medicinal plants for its treatment. *Indian Journal of Research in Pharmacy and Biotechnology*, 3(5), 351-357. Retrieved from <http://bit.ly/1qQg20w>.
- Song, F., Jia, W., Yao, Y., Hu, Y., Lei, L., *et al.* (2007). Oxidative Stress, Antioxidant Status And DNA Damage In Patients With Impaired Glucose Regulation And Newly Diagnosed Type 2 Diabetes. *Clinical Science*, 112 : 599–606
- Shukla, K., Dikshit, P., Shukla, R., & Gambhir, J. K. (2012). The Aqueous Extract of *Withania coagulans* Fruit Partially Reverses Nicotinamide / Streptozotocin - Induced Diabetes Mellitus in Rats. *Journal of Medicinal Food*, 15(8), 718–725.
- Szkudelski, T. (2001). The Mechanism of Alloxan and Streptozotocin Action in BCells of the Rat Pancreas. *Physiology Research*. 50: 536-546.
- Tokumoto, Y., & Nakagawa, M. (2016). Climate-induced abortion and predation: Reproductive success of the pioneer shrub *dillenia suffruticosa* in malaysian borneo. *Journal of Tropical Ecology*, 32(1), 50-62.

- Tor, Y. S., Yazan, L. S., Foo, J. B., Wibowo, A., Ismail, N., *et al.* (2015). Induction of apoptosis in MCF-7 cells via oxidative stress generation, mitochondria-dependent and caspase-independent pathway by ethyl acetate extract of *dillenia suffruticosa* and its chemical profile. *PLoS One*, *10*(6)
- Utami, T. S., Arbianti, R., Hermansyah, H., Reza, A., & Rini, R. (2009). Perbandingan aktivitas antioksidan ekstrak etanol daun simpur (*Dillenia indica*) dari berbagai metode ekstraksi dengan uji ANOVA. In *Seminar Nasional Teknik Kimia Indonesia* (pp. 19-20).
- Veld, P. (2011). Insulitis in human type 1 diabetes: The quest for an elusive lesion. *Islets*, *3*(4), 131–138.
- Wahyuni, T. (2017). Pengaruh Pemberian Simplisia Daun Simpur (*Dillenia philippinensis*) Terhadap Penurunan Kadar Gula Darah Mencit (*Mus musculus L.*) Jantan Pasca Induksi Aloksan (Doctoral dissertation, Universitas Pendidikan Indonesia).
- Waspadji, S. (2015). Komplikasi kronik diabetes: mekanisme terjadinya, diagnosis, dan strategi pengelolaan. In S. Setiati, I. Alwi, A. W. Sedoyo, M. Simadibrata, *et al.* (Eds.), *Ilmu penyakit dalam*. Jakarta: Internapublishing.
- Wee, Y. C. (2003). *Tropical trees and shrubs - A selection for urban plantings*. Sun Tree Pub., Singapore. 392pp.
- Wuart, C., Mogana, S., Khalifah, S., Mahan, M., Ismail, *et al.* (2004). Antimicrobial screening of plants used for traditional medicine in the state of Perak, Peninsular Malaysia. *Fitoterapia*, *75*(1), 68-73.
- Widowati, S. (2007). Pemanfaatan Ekstrak Teh Hijau (*Camellia sinensis*) Dalam Pengembangan Beras Fungsional untuk Penderita Diabetes Melitus. Disertasi, Institut Pertanian Bogor, Bogor.
- World Health Organization. (2016). *Global report on diabetes*. [Versi elektronik]Prancis: Publication Data.
- Yazan, L. S., Ong, Y. S., Zaaba, N. E., Ali, R. M., Foo, J. B., *et al.* (2015). Anti-breast cancer properties and toxicity of *Dillenia suffruticosa* root aqueous extract in BALB/c mice. *Asian Pacific Journal of Tropical Biomedicine*, *5*(12), 1018-1026.
- Zinman, B., Wanner, C., Lachin, J. M., Fitchett, D., Bluhmki, E., *et al.* (2015). Empagliflozin, cardiovascular outcomes, and mortality in type 2 diabetes. *New England Journal of Medicine*, *373*(22), 2117-2128.