

DAFTAR PUSTAKA

- Abdelmoaty, M.A., Ibrahim, M.A., Ahmed, N.S., Abdelaziz, M.A. 2010. Confirmatory Studies on the Antioxidant and Antidiabetic Effect of Quercetin in Rats. *Indian Journal of Clinical Biochemistry* 25(2):188-192. DOI: 10.1007/s12291-010-0034-x. *World J Gastroenterol.* doi: 10.3748/wjg.15.4137 (Online) <http://www.springerlink.com/content/0r88r2075j423701>.
- Akbarzadeh, A., D. Norouian, M. R. Mehrabi, ShJamhsidi, A. Farhangi, A. Alah Verdi, S. M. A Mofidian and Lame Rad. 2007. Induction of Diabetes by Streptozotocin. *Indian Journal of Clinical Biochemistry* 22(2) 60-64. Iran: Biochemistry Department of Alzahra University.
- Al Farabi, M.J., A. S. Nugraha, D.S. Zuhri, A. Alkarimah, dan D. Ikrimah. 2010. *STEMPOWERING (Stem Cell Empowering): Inovasi Pengembangan Terapi Auto Regenerasi Berbasis Mobilisasi Hematopoietic Stem Cell Pada Tikus Model DM Menggunakan Ekstrak Jamur Tiram (Pleurotus Ostreatus)*. Malang: Universitas Brawijaya
- Amirshahrokhi, A.R. Dehpour, J.Hadjati, M. Sotoudeh, M. Ghazi Khansarj. 2008. Methadone Ameliorates Multiple Low Dose STZ Induced Diabetes in Mice. *J Of Toxicology and Applied Pharmacology*, Volume 232, Issue 1, Pages 119-124.
- Amr, Amin., Mohamed, Lotfy., Doaa, M.G. 2011. Pancreas-protective effects of chlorella in STZ-induced diabetic animal model: insights into the mechanism. *Journal of Diabetes Mellitus*, Vol.1, No.3, 36-45. doi:10.4236/jdm.2011.13006.
- Aquilante, Christina. 2010. Sulfonylurea Pharmacogenomics In Type 2 Diabetes: The Influence of Drug Target and Diabetes Risk Polymorphisms. (Online). <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2860269/>.
- Aronson, D. 2008. Hyperglycemia and the Pathobiology of Diabetic complications. *Adv. Cardiol.*45: 1-16.
- Baggio LL, Drucker DJ (2006) Therapeutic approaches to preserve islet mass in type 2 diabetes. *Annu Rev Med* 57: 265–281. doi: 10.1146/annurev.med.57.110104.115624
- Brentjens, Renier. 2001. ISLET CELL TUMORS OF THE PANCREAS : The Medical Oncologist's Perspective. (Online) <http://www.sciencedirect.com/science/article/pii/S0039610905701419>.
- Bolkent, S., Yanardag, R., Tabakoglu-Oguz, A., Özsoy-Saçan, Ö., 2000. Effects of chard (*Beta vulgaris* L. var. *Cicla*) extract on pancreatic B cells in streptozotocin-diabetic rats: a morphological and biochemical study. *J. Ethnopharmacol.* 73, 251-259

- BPOM. 2010. Seledri (*Apium graveolans L.*) Sebagai Bahan Obat Alam. (Online) www.pom.go.id/pdf.
- Corwin, Elizabeth. 2011. Patofisiologi. Jakarta: EGC.
- Coskun, Omer. 2005. Quercetin, a flavonoid Antioxidant, Prevents and Protects Streptozotocin-induced Oxidative Stress and β -Cell Damage in Pancreas. *J of Pharmacological Research* Volume 51, Issue 2(117–123).
- Dahlan M. Sopiudin. 2004. Statistik Kedokteran Dan Kesehatan Uji Hipotesis Dengan SPSS Program 12 Jam. Jakarta: Bina Mitra Press.
- Dalimartha, Setiawan. (2000). Atlas Tumbuhan Obat Indonesia Jilid 2. Jakarta: Trubus Agriwidya.
- Ding, li dan Chen Xiaoli. 2008. *Protective Effect of Apigenin on Inflammatory Factor-Mediated Insulin Resistance in 3T3-L1 Adipocytes*. *FASEB Journal* 22 (700): 20-36.
- Eleazu C.O, Iroaganachi M, Eleazu KC. 2013. Review Of The Mechanism Of Cell Death Resulting From Streptozotocin Challenge In Experimental Animals, Its Practical Use And Potential Risk To Humans. *Journal of Diabetes & Metabolic Disorders* 2013, 12:60
- Eroschencko, Victor. 2010. Atlas of Histology with Function Correlations: Difiore's 11 ed. Philadelphia: *Lippincott Williams & Wilkins*.
- Esmaeili M.A, Zohari F, Sadeghi H. 2009. Antioxidant and protective effects of major flavonoids from *Teucrium polium* on beta-cell destruction in a model of streptozotocin-induced diabetes. *Journal of Planta Medica*. DOI: 10.1055/s-0029-1185704.
- Frier, B.M. 2004. Appreciating, Predicting, and Preventing Hypoglycaemia. DOI: 10.1111/j.1368-504X.2004.00324.x *International Journal of Clinical Practice*
- Frode, T.S., & Medeiros, Y.S. (2008). Animal models to test drugs with potential antidiabetic activity. *Journal of Ethnopharmacology*, 115, 173-183. doi: 10.1016/j.jep.2007.10.038
- Fowler, Michael. 2008. Microvascular and Macrovascular Complications of Diabetes. *Journal of Clinical Diabetes* Vol 26(2).
- Gul M, Laaksonen DE, Atalay M, Vider L, Hannien O. 2002 Effects of Endurance Training on Tissue Glutathione Homoestasis and Lipid Peroxidation in Streptozotocin-Induced Diabetic mice. *Scand J Med Sports*, 12:163–170.
- Hans Tandra. (2007) Segala Sesuatu yang Harus Anda Ketahui Tentang DIABETES, Jakarta: PT Gramedia Pustaka Utama.

- Holt, R. I. G. 2004 Diagnosis, Epidemiology, and Pathogenesis of Diabetes Mellitus: An Update for Psychiatrics. *British Journal of Psychiatry* 184:55-63. UK. The Royal College of Psychiatrics.
- Jauch-Chara K, Hallschmid M, Gais S, Schmid SM, Oltmanns KM, Colmorgen C, Born J, Schultes B.2007. Hypoglycemia During Sleep Impairs Consolidation Of Declarative Memory In Type 1 Diabetic and Healthy Humans. *Diabetes Care* 30: 2040-5.
- Jie, Cao., Wei, Chen., Xiujuan, Zhao. 2010. Content of Selected Flavonoids in 100 Edible Vegetables and Fruits.
- Jin, Lu.,Zang, Jiajie. 2013. Impact of Three Oral Antidiabetic Drugs on Markers of β -Cell Function in Patients with Type 2 Diabetes: A Meta-Analysis. DOI: 10.1371/journal.pone.0076713
- Jung, W.S., Chung I.S.,Kim. 2011. *In vitro* antioxidant activity, total phenolics and flavonoids from celery (*Apium graveolens*) leaves. *Journal of Medicinal Plants Research* Vol. 5(32). DOI: 10.5897/JMPR11.1129
- Kanth, R. 2013. Pancreatic Divisum. (Online). <http://emedic.medscape.com/article185307-overview>.
- Kim J.J. Y., Hong Xiao, Yi Tan, Zhenghong Wang, J.P. Seale, and Xianin u. 2009. The Effects and Mechanism of Saponin of PanaxNotogingeson Glucose Metabolism in 3T3-L1 Cells. *The American Journal of Chinese Medicine*, Vol 37, No.6, 1179-1189. America: World Scientific Publisng Company.
- Kristian, B. Filion., Lawrence, Joseph. 2011. Thiazolidinediones and The Risk of Incident Congestive Heart Failure Among Patients With Type 2 Diabetes Mellitus. *Wiley Online Library*. DOI:10.1002/pds.2165
- LeRoith. 2002. β -cell dysfunction and insulin resistance in type 2 diabetes: role of metabolic and genetic abnormalities. *The American Journal of Medicine*. Volume 113, Issue 6. doi: [http://dx.doi.org/10.1016/S0002-9343\(02\)01276-7](http://dx.doi.org/10.1016/S0002-9343(02)01276-7)
- Lewis., Lin Ying. 2004. The Hyperglycemia-induced Inflammatory Response in Adipocytes : THE ROLE OF REACTIVE OXYGEN SPECIES. *J of Biological Chemistry*. DOI 10.1074/jbc.M411863200.
- Manaf, Asman. 2009. The Common Unifying mechanism :Pathobiologic of Chronic Complication in T2DM. Padang: Universitas Andalas.
- McPhee, S. J. and William F. G. 2006. Pathophysiology of Disease: An Introduction to Clinical Medicine 5th Ed. USA: The McGraww-Hill Companies, Inc.
- Messoten. 2003. Contribution of Circulating Lipids to the Improved Outcome of Critical Illness by Glycemic Control with Intensive Insulin Therapy. *J of Clinical Endocrinology & Metabolism*. DOI: <http://dx.doi.org/10.1210/jc.2003-030760>.

- Montori., *et al.* 2002 Hyperglycemia in Acutely Ill Patients. *JAMA*;288(17):2167-2169. doi:10.1001/jama.288.17.2167.
- Nair, Muralitharan. 2007. Diabetes Mellitus, part 1: Physiology and Complications. *British Journal of Nursing*, 2007, Vol 16.
- Nayak, Vrinda. 2006 Antioxidant and Radioprotective Effects of Ocimum Flavonoids Orientin and Vicenin in *Escherichia coli*. *Defence Science Journal*.
- Niaz, Khalid., Gull, Seemi., Zia A.M. 2013. Antihyperglycemic/ Hypoglycemic Effect of Celery Seeds in Streptozotocin Induced Diabetic. *Journal of Rawalpindi Medical College*, 17(1): 134-137.
- Nursalam. 2008. Konsep dan Penerapan Metodologi Penelitian Keperawatan. Jakarta: Info Medika.
- Oteiza, P.I., A.G. Erlejman, S.V. Verstraeten, C.L. Keen, and C.G. Fraga. 2005. Flavonoid-membrane interactions : A protective role of flavonoids at the membrane surface ? *Clin. & Dev. Immunol.* 12(1): 19-25.
- Prashant, Verma., Itankar, Prakash. 2013. Evaluation of antidiabetic antihyperlipidemic and pancreatic regeneration, potential of aerial parts of *Clitoria ternatea*. *Rev Bras Farmacogn* 23(2013): 819-829: Elsevier.
- Reusch, Jane E.B. 2003. Diabetes, microvascular complications, and cardiovascular complications: what is it about glucose?. *J Clin Invest.* 2003;112(7):986-988. doi:10.1172/JCI19902. (Online) <http://www.jci.org/articles/view/19902>.
- Robertson, R.P., Harmon, P.O., Tran. 2004. B-Cell Glucose Toxicity, Lipotoxicity, And Chronic Oxidative Stress In Type 2 Diabetes. *Journal Of Diabetes* 53: S119-S124.
- Shaw JE, Sicree RA, Zimmet PZ. 2010. Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Res Clin Pract.*;87(1):4-14. doi: 10.1016/j.diabres.2009.10.007.
- Shinji., *et al.* 2009. Problems associated with glucose toxicity: Role of hyperglycemia-induced oxidative stress. (Online). <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2738809>
- Srinivasan, K, B. Viswanad, Lydia A., C, L. Kaul, and P, Ramarao. 2007. Combination of High-Fat Diet-Fed and Low Dose STZ:. *J Of Pharmacological Research*, 52 pages 313-320.
- Simon, H., David, Zieve. 2003. Therapy of Hyperglycemia. (Online). <http://umm.edu/healthy/medical/reports/articles/therapyofhyperglycemia>

- Sowbhagya, H.B. 2012. *Chemistry, Technology and Nutraceutical functions of Celery (Apium graveolens L)*. Critical Reviews in Food Science and Nutrition (Online) <http://www.tandfonline.com/doi/abs/10.1080/10408398.2011.586740#.UmSQsnDryE3>.
- Wang, G. G., Lu, X. H., Li, W., Zhao, X., Zhang, C. 2011. Protective Effects of Luteolin on Diabetic Nephropathy in STZ-Induced Diabetic Rats. Evidence-Based Complementary and Alternative Medicine, Volume 2011, Article ID 323171, 7 pages, doi:10.1155/2011/323171. (Online) <http://downloads.hindawi.com/jour-nals/ecam/2011/323171.pdf>
- Watson, Roger, & Fawcett, Tonks N. (2003). *Pathophysiology, Homeostasis And Nursing*. New York: Routledge.
- Yan, Jun, Yu, Li, Xu, Shuang, Gu, Weihong, & Zhu, Weimin. (2014). Apigenin accumulation and expression analysis of apigenin biosynthesis relative genes in celery. *Journal of Scientia Horticulturae*, 165, 218-224.
- Zangiabadi, Nasser, Sheibani, Vahid, Asadi-Shekaari, Majid, Shabani, Mohammad, Jafari, Mandana, Asadi, Ali Reza, . . . Jarahi, Morteza. (2011). Effects of Melatonin in Prevention of Neuropathy in STZ-Induced Diabetic Rats. *American Journal of Pharmacology and Toxicology*, 6(2), 59-67.
- Zhou, J., Zhou, S., Tang, J., Zhang, K., Guang, L., Huang, Y., Xu, Y., Ying, Y., Zhang, L. and Li, D. (2009) Protec-tive effect of berberine on beta cells in streptozotocin. *European Journal of Pharmacology*, 606, 262-268. [doi:10.1016/j.ejphar.2008.12.056](https://doi.org/10.1016/j.ejphar.2008.12.056)