

DAFTAR PUSTAKA

- AACC. 2015. Lab Test Online: *Insulin – The Test*. (Online) (<http://www.labtestonline.org/understanding/analytes/insulin/tab/test/>, diakses tanggal 2 Maret 2016)
- Agarwal, A., Prabakaran, S., dan Said, T. Prevention of Oxidative Stress Injury to Sperm. *Journal Andrology*, 2005, 26, 654-60.
- Arisman. 2011. *Buku Ajar Ilmu Gizi Obesitas, Diabetes Mellitus dan Dislipidemia*, EGC, Jakarta, hal. 44-54.
- Baradero, M., Dayrit, M.W., dan Siswandi, Y. 2009. *Klien Gangguan Endokrin Seri Asuhan Keperawatan*, EGC, Jakarta, hal. 85.
- Basu, T.K. and Basualdo C., 1997. Vitamin A Homeostasis And Diabetes Mellitus. (Abstract). *Nutrition*, 13 (9): 804-6.
- Blomhoff, R. 1994. *Vitamin A In Health And Disease*, Marcel Dekker, Inc, New York, p. 90.
- Buppajarntham S. 2014. *Insulin*. *Medscape*, (Online) (<http://www.emedicine.medscape.com/article/2089224-overview#a>, diakses tanggal 30 Mei 2015)
- Bowen, R. 1999. *Vitamin A (Retinol)*. (Online), (http://www.vivo.colostate.edu/hbooks/pathphys/misc_topics/vitamina.html, diakses tanggal 29 Mei 2015)
- Bowen, R. 2009. *Physiologic Effects of Insulin*. (Online), (http://www.vivo.colostate.edu/hbooks/pathphys/endocrine/pancreas/insulin_phys.html, diakses tanggal 29 Mei 2015)
- Ceriello, A. dan Testa, R. Antioxidant Anti-Inflammatory Treatment in Type 2 Diabetes. *Diabetes Care*, 2009, 32 (2): 232-236.
- Chairunnisa, Ririn. Pengaruh Jumlah Pasta Tomat terhadap Penurunan Kadar Gula Darah pada Mencit Diabetes. *Jurnal Teknologi Industri Pertanian*, 2011, 1:1-12.
- Desvergne, B. Retinaldehyde, An Intermediate In Vitamin A Metabolism, Is A Metabolically Active Signal. *Natural Medicine*, 2007, 13: 671-673.
- Diabetes UK. 2016. *Polyuria – Frequent Urination*. (Online) (<http://www.diabetes.co.uk/symptoms/polyuria.html>, diakses tanggal 28 Agustus 2016)
- Eleazu C.O. et al., 2013. *Review of The Mechanism of Cell Death Resulting from Streptozotocin Challenge In Experimental Animals, Its Practical Use And Potential Risk to Humans*. Dalam Eleazu et al. *Journal of Diabetes &*

Metabolic Disorders 2013. (Online) (<http://www.idmdonline.com>, diakses tanggal 13 Mei 2015)

- Erwin, et al. 2013. Ekspresi Insulin Pada Pankreas Mencit (*Mus musculus*) yang Diinduksi dengan Streptozotocin Berulang. *Jurnal Kedokteran Hewan*, 7 (2).
- Haffner, S.M. The importance of hyperglycemia in the non fasting state to the development cardiovascular state. *Endocrine Review*, 1999, 19 (5): 583-92.
- Halliwell B. dan Whiteman M. Measuring Reactive Species And Oxidative Damage In Vivo And In Cell Culture: How Should You Do It And What Do The Results Mean. *Br Journal Pharmacology*, 2004, 142 (2): 231-55.
- Halliwell, B. dan Gutteridge, J.M.C., 2007. Free Radicals In Biology And Medicine. 5th Eds. Oxford University Press, New York, p. 77-78.
- Handayani W., Rudijanto A., dan Indra M.R. Susu Kedelai Menurunkan Resistensi Insulin pada *Rattus norvegicus* Model Diabetes Melitus Tipe 2. *Jurnal Kedokteran Brawijaya*, 2009, 25 (2).
- Hariyatmi. 2004. Kemampuan Vitamin E sebagai Antioksidan terhadap Radikal Bebas pada Lanjut Usia. *MIPA*, 141, 52-60.
- Harsa, I.M.S. Efek Pemberian Diet Tinggi Lemak terhadap Profil Lemak Darah Tikus Putih (*Rattus norvegicus*). Bagian Ilmu Faal Fakultas Kedokteran Universitas Wijaya Kusuma Surabaya. *Jurnal Ilmiah Kedokteran*, 2014, 3 (1).
- Indra, M.R., 1999. Penelitian Eksperimental, dalam Buku Ajar Metodologi Seri 1. *Fakultas Kedokteran Universitas Brawijaya*, Malang.
- Iqbal, S. dan Naseem, I. Role of Vitamin A in Type 2 Diabetes Melitus Biology: Effects of Intervention Therapy in A Deficient State. *Nutrition*, 2015, 31 (7): 901-907.
- Joshi, S.R., Parikh, R.M., and Das, A. K. Insulin - History, Biochemistry, Physiology And Pharmacology. *Supplement of JAPI*, 2007, 55: 19-25.
- Kaku, K. Pathophysiology of Type 2 Diabetes and It's Treatment Policy. *JMAJ*, 2010, 53 (1): 41-46.
- Kartha, V.N. dan Krishnamurthy, S. Antioxidant Function of Vitamin A. *Int. J. Vitamin Nutrition Res.*, 1977; 47(4):394-401.
- Katz, A., Nambi, S.S., Mather, K., Baron, A.D., Follmann, D.A., Sullivan, G., and Quon, M.J. 2000. Quantitative Insulin Sensitivity Check Index: A Simple, Accurate Method for Assessing Insulin Sensitivity In Humans. (Abstract). *J Clin Endocrinol Metab*, 85 (7).
- Kemenkes. 2013. Diabetes Melitus Penyebab Kematian Nomor 6 di Dunia: Kemenkes Tawarkan Solusi Cerdik Melalui Posbind. *Kemenkes*, (Online)

(<http://www.depkes.go.id/article/view/2383/diabetes-melitus-penyebab-kematian-nomor-6-di-dunia-kemenkes-tawarkan-solusi-cerdik-melalui-posbindu.html>), diakses tanggal 25 Januari 2015)

Khalil, H.M.H, *et al.*, 2015. Retinol Binding Protein-4 Levels in Early Diabetic Nephropathy in Egyptian Patients with Type 2 Diabetes. *Global Journal of Biotechnology & Biochemistry*, 2015, 10 (1): 39-46.

Khardori, R., 2015. Type 2 Diabetes Mellitus. *Medscape*, (Online), (<http://emedicine.medscape.com/article/117853-author>), diakses tanggal 2 Februari 2015)

LaMorte, W.W. 2014. Functions of Proteins : Transport Proteins. *Basic Cell Biology*, (Online) (http://sphweb.bumc.bu.edu/otlt/MPH-Modules/PH/PH709_BasicCellBiology/PH709_BasicCellBiology7.html), diakses tanggal 29 Mei 2015)

Le Roith, D., Taylor, S.I., and Olefsky, J.M. 2004. *Diabetes Mellitus A Fundamental And Clinical Text 3rd Edition*, Lippincott Williams & Wilkins, Philadelphia, p. 457.

Manaf, A. Insulin Resistance as a Predictor of Worsening of Glucose Tolerance in Type 2 Diabetes Mellitus. *Medicinus*, 2014, 27 (2): 3-8.

Marks, D.B., Allan, D.M., and Smith, C.M. 2000. *Biokimia Kedokteran Dasar: Sebuah Pendekatan Klinis*. Diterjemahkan oleh Brahm U, EGC, Jakarta, hal. 370-371.

Mawarti, H., Ratnawati, R., dan Lyrawati, D. *Epigallocatechin Gallate Menghambat Resistensi Insulin pada Tikus dengan Diet Tinggi Lemak. Jurnal Kedokteran Brawijaya*, 2012, 27 (1): 43-50.

McLaren, D.S. and Frigg, M. 2001. *Sight and Life: Guidebook On Vitamin A In Health And Disease*, Second Edition, Switzerland, p.11.

Merentek, E. Resistensi Insulin pada Diabetes Melitus Tipe 2. *Cermin Dunia Kedokteran*, 2006, (150): 38-41.

Murray, R.K., Daryl, K.G., Rodwell, V.W. 2006. *Biokimia Harper*. Edisi 27. Diterjemahkan oleh Brahm U, EGC, Jakarta, hal.505.

Ndraha, S. 2014. Diabetes Melitus Tipe 2 Dan Tatalaksana Terkini. *MEDICINUS*, 27 (2): 10.

Neal, M.J. 2006. *At A Glance: Farmakologi Medis*. Edisi Kelima. Diterjemahkan oleh Juwalita Surapsari, Erlangga Medical Series, Jakarta, hal. 78-79.

NIH. 2001. *Stem Cells And Diabetes*. (Online) (<http://stemcells.nih.gov>), diakses tanggal 5 Maret 2015)

NIH. 2016. Office of Dietary Supplements. Facts Sheet for Health Professionals: *Vitamin A*. (Online) (<https://ods.od.nih.gov/factsheet/VitaminA-HealthProfessional/>), diakses tanggal 20 Juni 2016)

- Norman, J.2015. The Important Roles of Insulin and Glucagon: Diabetes and Hypoglycemia. *Endocrineweb*, (Online), (<http://www.endocrineweb.com/conditions/diabetes/normal-regulation-blood-glucose>, diakses tanggal 2 Maret 2016)
- Nugroho, A.E. Hewan Percobaan Diabetes Mellitus: Patologi Dan Mekanisme Aksi Diabetogenik. *Biodiversitas*, 2006,7 (4): 378-382.
- Nyamthabab S. dan Umesh M. Evaluation of Antidiabetic Activity of Tomato (*Solanum lycopersicum*) Seed Extract. *IAJPR*, 2014, 4 (2): 811-814.
- O'Connell B.S, M.S, R.D, and L.D. Select Vitamins And Minerals In The Management of Diabetes. *Diabetes Spectrum*, 2001, 14 (3).
- Otani, H. Oxidative Stress as Pathogenesis of Cardiovascular Risk Associated witha Metabolic Syndrome. *Antioxidants &Redox Signaling*, 2011,15 (7): 1911-1925.
- Pascal, M. and Lorvelec, O. 2006. *Rattus norvegicus*. *DAISIE project*, (Online) (<http://www.europe-aliens.org>, diakses tanggal 30 Mei 2015)
- Pateda, V. dan Tirtamulia, K.S. Hubungan Indeks Masa Tubuh dan Resistensi Insulin pada Anak Obes. *Sari Pediatri*, 2011, 12 (5).
- Pavri, S.K.R.2001. *Essentials of Diabetes Mellitus And It's Treatment by Homoeopathy*, B. Jain Publishers (P) LTD, New Delhi, p.1-2.
- PERKENI. 2015. *Konsensus: Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia 2015*. PB PERKENI, Jakarta, hal. 1-30.
- Pessin, J.E. dan Saltiel, A.R. Signaling Pathway in Insulin Action: Molecular Targets of Insulin Resistance. *J Clin Invest.*, 2000, 106 (2): 165-169.
- Piette J. *Effectiveness of Self-management Education*. Dalam Gan D, Allgot B, King H, Lefèbvre P, Mbanya JC, Silink M. *Diabetes Atlas*, Edisi ke-2, International Diabetes Federation, Belgium, 2003, h.207-15.
- Pokrovsky, A.A., Lashneva, N.V., dan Kon, I.Y. Study On Vitamin A Effects Upon Lipid PeroxidationIn Rat Liver. *Int J Vitamin Nutr Res*, 1974, 44: 477-486.
- Preedy, V.R., 2012. *Vitamin A and Carotenoids: Chemistry, Analysis, Function, and Effects*. RSC Publishing, Cambridge, p.4-20.
- Prentki, M. dan Nolan, C.J. Islet β Cell Failure in Type 2 Diabetes. *The Journal of Clinical Investigation*, 2006, 116 (7): 1802-1812.
- Rafika, Irnawati. 2005. Pengaruh Ekstrak Etanol dan Ekstrak Air Kulit Batang *Artocarpus Champeden Spreng* terhadap Kadar Enzim SGPT dan SGOT Mencit. *Airlangga Journal of Pharmacy*, 5 (3).
- Ramos, R.V., Laura, G.L.A., Elina, M.C.B., and Donaji, B.A.A. Vitamins and Type 2 Diabetes. *Endocrine, Metabolic & Immune Disorders – Drug Targets*, 2015, 15: 54-63.

- Renaldi, O. Peran Adiponektin terhadap Kejadian Resistensi Insulin pada Sindrom Metabolik. *Medicinus*, 2009, 22 (1): 65-70.
- Rhee E.J. and Jorge P. Retinoid Metabolism and Diabetes Mellitus. *Diabetes & Metabolism Journal*, 2012, 36(3):167-180.
- Rita R., Yerizel E., Asbiran N., Kadri H. Pengaruh Ekstrak Mengkudu Terhadap Kadar Malondialdehid Darah dan Aktivitas Katalase Tikus DM yang Diinduksi Aloksa. *Majalah Kedokteran Andalas*, 2009, 33 (1): 58.
- Roi, P. 2013. Science for The Masses – Groundwork, Human Nir Vision Project: *Vitamin A In The Body – A Beginner's Metabolic Pathway*. (Online) (<http://www.scienceforthemasses.org/2013/10/20/vitamin-a-in-the-body-a-beginners-metabolic-pathway>, diakses tanggal 29 Mei 2015)
- Rosenbloom, M. 2015. Vitamin Toxicity. *Medscape*, (Online) (<http://www.emedicine.medscape.com/article/819426-overview>, diakses tanggal 29 Agustus 2016)
- Setiawan, B. dan Suhartono, E. Stres Oksidatif dan Peran Antioksidan pada Diabetes Melitus. *Majalah Kedokteran Indonesia*, 2005, 55 (2): 86-91.
- Sharma T.K., et al., 2015. Toxic Effect of Titanium (Tio2) on Wistar Rat (Rattus norvegicus) Injected by Intravenously. *Jmsjournal*. (Online) (<http://jmsjournal.wordpress.com/2015/07/01/toxic-effecct-of-titanium-tio2-on-wistar-rat-rattus-norvegicus-injected-by-intravenously>, diakses tanggal 5 Januari 2016)
- Skovso, S. Modeling Type 2 Diabetes In Rats Using High Fat Diet And Streptozotocin. *Journal of Diabetes Investigation*, 2014, 5 (4): 349-358.
- Stumvoll, M., Goldstein, B.J., dan van Haeften, T.W. Type 2 Diabetes: Principles of Pathogenesis And Therapy. *Lancet*, 2005, 365: 1333-46.
- Swastika, K.D. 2013. Efek Kopi terhadap Kadar Gula Darah Post Prandial pada Mahasiswa Semester VII Fakultas Kedokteran USU Tahun 2012. Tugas Akhir. Fakultas Kedokteran Universitas Sumatera Utara, Medan.
- Swift D.L, et al. The Role of Exercise And Physical Activity in Weight Loss And Maintenance. *Progress in Cardiovascular Disease*, 2014, 56 (4): 441-447
- Tangvarasittichai, S. Oxidative Stress, Insulin Resistance, Dyslipidemia, and Type 2 Diabetes Mellitus. *World J Diabetes*, 2015, 6 (3): 456-480.
- Tapan, Erik. 2005. *Penyakit Degeneratif*, PT Elex Media Komputindo, Jakarta, hal.61.
- Trasino, S.E., Benoit, Y.D., dan Gudas, L.J. 2015. Vitamin A Deficiency Causes Hyperglycemia And Loss of Pancreatic β -Cell Mass. (Abstract). *J Biol Chem*, 290 (3): 1456-73

- Tripathi V. and Verma J. 2014. Different Models Used to Induced Diabetes: A Comprehensive Review. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2014, 6 (6).
- Tripathy, B.B., Chandalia, H.B., dan Das, A.K., 2012. RSSDI Textbook of Diabetes Mellitus, 2nd Edition, Jaypee Brother Medical Publisher, New Delhi, p. 243.
- Tsin, A.T.C *et al.* Vitamin A Homeostasis in the Diabetic Rat. *J Clin Biochem Nutr*, 1993, 15 (1): 23-31.
- Vinerean, H.V. 2014. Rats – Biology And Husbandry. *FIU*, (Online) (<http://research.fiu.edu/documents/facilities/acf/>, diakses tanggal 30 Mei 2015)
- Waly, M.I. dan Guizani, N. Health Aspects of Antioxidant Nutrients: A Consice Update. *J Agri Res*, 2016, 1 (1): 000102.
- Wardlaw, Hampl, and DiSilvestro., 2004. *Perspective in Nutrition*. Sixth edition. Linus Pauling Institute. (Online) (<http://lpi.oregonstate.edu>, diakses tanggal 10 Maret 2015)
- Whiteman H., 2015. Could Vitamin A Deficiency Be A Cause of Type 2 Diabetes?, (Online), (<http://www.medicalnewstoday.com/articles/288199.php>, diakses tanggal 28 Juni 2015)
- WHO. 1999. Definition, Diagnosis And Classification of Diabetes Mellitus And It's Complication. Departement of Noncommunicable Disease Survailance, WHO/NCD/NCS/99.2, Ganeva, p.2.
- WHO. 2015. Diabetes. WHO, (Online) (<http://www.who.int/mediacentre/factsheets/fs312/en/>, diakses tanggal 29 Mei 2015)
- Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Kanisius, Yogyakarta, hal. 122-176.
- Yang, Q., Graham, T.E., Mody, N., Preitner, F., Peroni, O.D., Zabolotny, J.M., Kotani, K., Quadro, L., and Kahn, B.B. Serum Retinol Binding Protein 4 Contributes to Insulin Resistance In Obesity And Type 2 Diabetes. *Nature*, 2005, (436): 356–362.
- Zempleni J, *et al.*, 2014. Handbook of Vitamins. Fifth Edition. Boca Raton: CRC Press. p. 9-11.
- Zhang, M., Lv, X.Y., Li, J., Xu, Z.G., and Chen, L. The Characterization of High-Fat Diet and Multiple Low-Dose Streptozotocin Induced Type 2 Diabetes Rat Model. *Experimental Diabetes Research*, 2008, p.1-9.