

DAFTAR PUSTAKA

- Adeghate E, Ponery A. 2004. *Diabetes mellitus influences the degree of colocalization of calcitonin gene-related peptide with insulin and somatostatin in the rat pancreas.* J Pancreas 29(4): 311- 319.
- Arisman, 2011. *Diabetes Mellitus.* Dalam: Arisman, ed. Buku Ajar Ilmu Gizi Obesitas, Diabetes Mellitus dan Dislipidemia. Jakarta: EGC, 44-54.
- Boorman GA, Beth WG. 1999. *Pathology of the Mouse.* USA : Cache River Press. pp 191-193.
- Bender DA. *Free Radicals an Antioxidant Nutrients.* In: Murray K, Bender DA, Botham KM, et al. Eds. Harper's Illustrated Biochemistry, Ed 28th Mc Graw Hill Lange 2009;482 – 86
- Breinholt V, Lauridsen ST, Daneshvar B, Jakobsen J. Dose-response effects of lycopene on selected drug-metabolizing and antioxidant enzymes in the rat. Cancer Lett. 2000;154:201–210.
- Buoyaed, J dan Bohn, T. 2010. Oxidative Medicine and Cellular Longevity. Exogenous Antioxidants Double-Edged Swords in Cellular Redox State. NCBI, 3,228-237
- Eguchi K, Manabe I, Oishi-Tanaka Y, Ohsugi M, Kono N, Ogata F, Yagi N, Ohto U, Kimoto M, Miyake K, Tobe K, Arai H, Kadokawa T, Nagai R. *Saturated fatty acid and TLR signaling link beta cell dysfunction and islet inflammation.* Cell Metabolism. 2012;15(4):518–533.
- Elayat, A.A., Nanggar, M.M., and Tahir, M. 1995. An Immunocytochemical and Morphometric Study of Rat Pancreatic Islet. *Journal of Analytical Chemistry;* 186, 629-637.

Eleazu CO, Iroaganachi M, Eleazu KC. Ameliorative Potentials of Cocoyam (*Colocasia esculenta L.*) and Unripe Plantain (*Musa paradisiaca L.*) on the Relative Tissue Weights of Streptozotocin-Induced Diabetic Rats. J Diabetes Res 2013a. 2013;12(160964):8. doi:10.1155/2013/1609640.

Enrico, 2006. *Resistensi insulin pada Diabetes Mellitus tipe 2*. Feillet-Coudray C, Sutra T, Fouret G, Ramos J, Wrutniak-Cabello C, Cabello G, et al. *Oxidative stress in rats fed a high-fat high-sucrose diet and preventive effect of polyphenols: Involvement of mitochondrial and NAD(P)H oxidase systems*. Free Radic Biol Med. 2009; 46(5): 624-32.

Febrinda A. E., Astawan M., Wresdiyati T., dan Yuliana N. D. Kapasitas Antioksidan dan Inhibitor Alfa Glukosidase Ekstrak Umbi Bawang Dayak. *Jurnal Teknologi dan Industri Pangan*. 2013, 24 (2):161-167

Feillet-Coudray C, Rock E, Grzelkowska K, Azais-Braesco V, Dardevet D, Mazur A. 1999. *Lipid peroxidation and antioxidant status in experimental diabetes*.

Franson RD. 1992. *Anatomi dan Fisiologi Ternak*. Ed ke-4. Gadjah Mada University Press: Yogyakarta. pp 864-867.

Ganong w.f. 1995. *Buku Ajar Fisiologi Kedokteran*. 14th ed. Jakarta: EGC, pp: 313-4

Grolier P, Bartholin G, Broers L, Caris-Veyrat C, Dadomo M, DiLucca G. *Composition of tomatoes and tomato products in antioxidants The white book on antioxidants in tomatoes and tomato products and their health benefits*. Final Report of the Concerted Action FAIR (CT97-3233) In: Bilton R, editor; Gerber M, editor; Grolier P, editor; Leoni C, editor. Avignon, France: CMITI Sarl; 2001.

Halliwell B (1999) Establishing the significance and optimal intake of dietary antioxidants: the biomarker concept. Nutr Rev 57: 104–113

- Hyun B, Shin S, Lee A, Lee S, Song Y, Ha NJ, Cho KH, Kim K. *Metformin down-regulates TNF-alpha secretion via suppression of scavenger receptors in macrophages*. Immune Network. 2013;13(4):123–132.
- Indra, Rasyad. 1999. *Penelitian Eksperimental dalam Buku Ajar Metodologi Seri 1*. Fakultas Kedokteran Universitas Brawijaya Malang.
- Junqueira, L.C. and Carneiro, J. 2007. Histologi Dasar Teks & Atlas. Edisi 10. Alih Bahasa: Jan Tambayong. Editor: Frans Dany. Jakarta: Penerbit Buku Kedokteran EGC
- Kailaku SI, Sunarmi. Potensi Likopen dalam Tomat untuk Kesehatan. Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian: Buletin Pacapanen Pertanian 2007 Vol.3
- Kaneto H, Kajimoto Y, Miyagawa J, Matsuoka T, Fujitani Y, Umayahara Y, Hanafusa T, Matsuzawa Y, Yamasaki Y, Hori M. Beneficial effects of antioxidants in diabetes: Possible protection of pancreatic β -Cells against glucose toxicity. Diabetes. 1999; 48: 2398-2406.
- Kefer JC, Agarwal A, Sabanegh E. *Role of antioxidants in the treatment of male infertility*. International Journal of Urology 2009; 16: 449 – 57
- Khachik F, Moura FF, Zhao DY, Aebischer CP, Bernstein PS (2002) Transformations of selected carotenoids in plasma, liver, and ocular tissues of humans and in non-primate animal models. *J Invest Ophthalmol & Vis Sci* **43**: 3383–3392.
- Kumalaningsih, Sri, 2006. *Antioksidan Alami-Penangkal Radikal Bebas, Sumber, Manfaat, Cara Penyediaan dan Pengolahan*. Surabaya: Trubus Agrisarana.
- Kohei., 2010. *Pathophysiology of Type 2 Diabetes and Its Treatment Policy*. JMAJ, January / February 2010 — Vol. 53, No.1

- Lee G, Luna, HT (ASCP), 1991, Manual of Histologic Staining Methods of the Armed Forces institute of pathologi, Sydney.
- Leeson, C.R., Leeson T.S. and Paparo, A.A. 1996. Buku Ajar Histologi. Edisi 5. Alih Bahasa: Jan Tambayong. Jakarta: Penerbit Buku Kedokteran EGC.
- Makker K, Agarwal A, Sharma R. *Oxidative stress and male infertility*. Indian J Med Res 2009; 129: 357 – 67
- Marks, Dawn B, Allan D Marks and Collen M. Smith. 2000. *Biokimia Kedokteran Dasar Sebuah Pendekatan Klinis*. Jakarta : EGC.
- McClung JP, Roneker CA, Mu W, Lisk JD, Langlais P, Liu F, Lei XG. 2004. *Development of insulin resistance and obesity in mice overexpressing cellular glutathione peroxidase*. Proc Natl Acad Sci USA 101(24):8852-8857.
- Milczarek R, Hallmann A, Sokołowska E, Kaletha K, Klimek J. *Melatonin enhances antioxidant action of α-tocopherol and ascorbate against NADPH- and iron dependent lipid peroxidation in human placental mitochondria*. J Pineal Res 2010; 49, 149 - 53
- Miyaki, T., Nakama, K., Akimoto, T., Kitoh, J.,and Ito, H. 1994. Goss Morfology of the Pancreas and Distribution of Pancreas Duct in Rat. *Jikken Dobutsu*; 43, 257-260.
- Ndraha, S., 2014. *Diabetes Mellitus Tipe 2 dan Tata Laksana Terkini*. Departemen Penyakit Dalam, FK. Universitas Krida Wacana. Jakarta.
- Neal, M.J. 2006. *At a Glance Farmakologi Medis Edisi Kelima*. Jakarta : Penerbit Erlangga. pp. 85.
- Nugent DA, Smith DM, Jones HB. A review of islet of Langerhans degeneration in rodent models of type 2 diabetes. Toxicol Pathol. 2008; (36): 529-51.

Nugroho, A.E., 2006, Hewan Percobaan Diabetes Mellitus : Patologi Dan Mekanisme Aksi Diabetogenik, (Review), Biodiversitas volume 7, Nomor 4; 367-391.

Nyamthabad, Srikanth M. Umesh. 2013. *Evaluation of antidiabetic activity of tomato (Solanum Lycopersicum) seed extract*. Indo American Journal of Pharm Research. 2014:4(1).

Pasaribu, F., P. Sitorus., dan S. Bahri. 2012. Uji Ekstrak Etanol Kulit Buah Manggis (Garcinia mangostana L.) Terhadap Penurunan Kadar Glukosa Darah. Journal of Pharmaceutics and Pharmacology.1:1-8.

Patel S, Dev, S. *Role NFKB in the Pathogenesis of Diabetes and its Associated Complications*. Pharmacological Reports. 2009;61:595-603.

Paulsen D.F.2000. *Histology and Cell Biology Examination and Board review*. 1st ed. Singapore: McGraw-Hill.pp:270-1

Pramono, S., Ajastuti, D.2004, Standardisasi Ekstrak Herba Pegagan (Centella asiatica (L.) Urban Berdasarkan Kadar Asiatikosida Secara KLT-Densitometri, Majalah Farmasi Indonesia, 15 (3), 118-123.

Ramandeep K. Toor, Geoffrey P. Savage. 2004. *Antioxidant activity in different fractions of tomatoes*. Food Research International 38 (2005) 487–494

Rao AV, Agarwal S. Role of lycopene as antioxidant carotenoid in the prevention of chronic diseases: a review. *Nutr Res* 1999;19:305-23.

Rodríguez-Bernaldo de Quirós, A., & Costa, H.S. (2006). Analysis of carotenoids in vegetable and plasma samples: A review. *Journal of Food Composition and Analysis*, 19, 97–111.

Sandberg AA, Philip DH. 2008. *Interactions of exocrine and endocrine pancreatic diseases*. *J. Pancreas* 9(4) : 541-575.

Stumvoll M Goldstein BJ, van Haeften TW. 2008. *Harrison's Principles Of Internal Medicine 17th Edition*. United State Of America: Mc-Graw Hill.

Subowo.1992.*Histologi Umum*. 2nd ed. Jakarta: bumi aksara, pp: 38-9

Sulistyorini, R., Sarjadi, Andrew J. and Kis D. 2015. Pengaruh Ekstrak Etanol Daun Kelor (*Moringa oleifera*) pada Ekspresi Insulin dan insulitis Tikus Diabetes Melius. MKB. 47 (2): 69-76.

Sumardiono S., Basri dan M., Sihombing R. P., 2007. *Anasolis sifat-sifat psiko-kimia buah tomat (Lycopersicon esculentum) jenis tomat apel, guna peningkatan nilai fungsi buah tomat sebagai komoditi pangan lokal*. Jurusan Teknik Kimia, Fakultas Teknik, Universitas Diponegoro.

Szkudelski. *The Mechanism of Alloxan and Streptozotocin Action in B Cells of the Rat Pancreas*. Department of Animal Physiology and Biochemistry, University of Agriculture, Poznan, Poland. Physiol. Res. 50: 536, 2001

Tambajong J. 1995. *Sinopsis Histologi*. 1st ed. Jakarta: EGC, pp: 138-41

Vottey,S., 2009. *Follow up Diabetes Mellitus Type 1*

Winarsi, Heri. 2010. Protein Kedelai dan Kecambah Manfaatnya bagi Kesehatan. Yogyakarta: Kanisius.

Windono,T., Budiono, R., Ivone, Valentina, S. dan Saputro, Y., 2004, Studi Hubungan Struktur- Aktivitas Kapasitas Peredaman Radikal Bebas Senyawa Flavonoid terhadap 1,1-Difenil-2- Pikrilhidrazil (DPPH), Artocarpus, Surabaya, 4 (1) : 47-51.

Yuniarti, T. 2008. *Ensiklopedia Tanaman Obat Tradisional*. Cetakan Pertama.Yogyakarta: MedPress.

Zhou J, Xu G, Yan J, Li K, Bai Z, Cheng W, Huang K. *Rehmannia glutinosa (Gaertn) DC. Polysaccharide ameliorates hyperglycemia, hyperlipemia and vascular inflammation in streptozotocin-induced diabetic mice*. Journal of Ethnopharmacology. 2015;164:229–238.