

DAFTAR PUSTAKA

- Ali, B., Wabel, N dan Bluden, G. 2005. Phytochemical Pharmacological and Toxicological Aspect of *Hibiscus sabdariffa* L. Areview. *Phytother Res* vol. 19 no.5 pp: 365 – 375
- American Diabetes Association. 2004. Diagnosis and Classification of Diabetes Mellitus. *Diabetes Care*, 27 Suppl 1, pp: 55-60.
- American Diabetes Association. 2011. Diagnosis and Classification of Diabetes Mellitus. *Diabetes Care*, 34 Supplement 1, pp: 562-569.
- American Diabetes Association. 2013. Standards of Medical Care in Diabetes – 2013. *Diabetes Care*, volume 36, Supplement 1, pp: S11 – S66
- Amic D and D Beslo. 2003. Structureradical scavenging activity relationships of flavonoids. *CCACCA* 76(1), pp:55-61
- Arisman. 2013. *Obesitas, Diabetes Mellitus, & Dislipidemia*. Jakarta : Penerbit Buku Kedokteran EGC.
- Asdie, Ahmad H. 2000. *Patogenesis dan Terapi Diabetes Mellitus Tipe II*. Yogyakarta: Penerbit Medika FK UGM.
- Asdie, Ahmad. 1995. *Harrison Prinsip-prinsip Ilmu Penyakit Dalam*. Jakarta : Penerbit Buku Kedokteran EGC.
- Astawan, Made dan Andreas, L. 2008. *Khasiat Warna-Warni Makanan*. Jakarta: Gramedia Pustaka Utama
- Baradero, M., Mary, W., Yakobus, S. 2005. *Klien Gangguan Endokrin : Seri Asuhan Keperawatan*. Jakarta: Penerbit Buku Kedokteran EGC.
- Barrett, Kim E., Susan M. Barman., Scott Boitano., Heddwen L. Brooks. 2010. *Ganong's Review of Medical Physiology 23rd Edition*. United States: Mc Graw Hill Lange.
- Belfiore, F. & C. E. Mogensen. ed. 2000. *New Concepts in Diabetes and Its Treatment*. Basel, Switserand: Karger.
- Brashers, V. 2001. *Aplikasi Klinis Patofisiologi: Pemeriksaan & Manajemen, Ed.2*. Jakarta: Penerbit Buku Kedokteran EGC
- Burta, O., Trilia, F., Ligia, O., Qadri, S. 2008. Phytotherapy in Cardiovascular: from Ethnomedicine to Avidence Based Medicine. *Journal of Biological Sciences*, 8 (2), pp.242-7.
- Carvajal-zarrabal, O *et al.* 2005. The hibiscus sabdariffa dried calyx ethanolic extract reduced lipid profile in rats. *Plant Foods for Human Nutrition*, 60 pp: 153-159.

- Carlsen, M., Bente, L., Kari, H., Steinar, D., Laura, S., et al. 2010. The Total Antioxidant Content of More Than 3100 Foods, Beverages, Spices, Herbs and Supplements Used Worldwide. *Nutritional Journal*, 9 (3).
- Christian and Jackson. 2009. Changes in Total Phenolic and Monomeric Anthocyanin Composition Antioxidant Activity of Three Varieties of Sorrel (*Hibiscus sabdariffa*) Maturity. *Journal of Food Composition and Analysis*, 22, pp: 663 – 667.
- Davidson, M. H. 2003. Niacin: A Powerful Adjunct to other Lipid-lowering Drugs in Reducing Plaque Progression and Acute Coronary Events. *Current Atherosclerosis Report*, 5, pp: 418-422.
- Dalimartha. 2007. *Diabetes Melitus Kadar Glukosa Darah*. Jakarta : Swadaya
- DeFronzo and Ferrannini. 1991. Insulin Resistance. A Multifaceted Syndrome Responsible for NIDDM, Obesity, Hypertension, Dyslipidemia, and Atherosclerotic Cardiovascular Disease. *Diabetes Care*, 14, pp: 173 – 94.
- Departemen Kesehatan R.I. 2013. *Riset Kesehatan Dasar 2013*. Jakarta: Badan Litbangkes.
- Dewi. 2007. *Komposisi Kimia Ubi Jalar Segar*. Bali : Fakultas Pertanian Unud Bali
- Fardiaz, D., Andarwulan, D., Wijaya, H., & Puspitasari, N.L. 1992. *Petunjuk Praktikum Teknik Analisis Sifat Kimia dan Fungsional Komponen Pangan* . Bogor: IPB Press.
- Fowler, M.J. 2008. Microvascular and Macrovascular Complications of Diabetes. *Clinical Diabetes* (26), pp: 77 – 82.
- Gardner, D and Dolores, S. 2007. *Greenspan's Basic & Clinical Endocrinology*. USA: McGraw-Hill.
- Gayathri, T., V, Renjima., K, Murugan., dan T, C, Kishor. 2006. Changes in The Nutritional, Antinutritional and Antioxidant Characteristics During Development and Ripening of Jamaica Cherry (*Muntingia calabura l.*). *J. Phytol. Res*, 19 (2), pp: 157 – 164.
- Giacco, F., Brownle, M. 2010. Oxidative Stress and Metabolic Complications. *J Am Ass* (107), pp. 1058 – 1070.
- Giugliano D, Ceriello A, Paolisso G. 1996. Oxidative Stress and Diabetic Vascular Complications. *Diabetes Care*, (19), pp: 257-267.
- Guariguata, L., Whiting, I. Hambleton, J. Beagley, U. Linnenkamp, J.E. Shaw. 2014. Global estimates of diabetes prevalence for 2013 and projections for 2035. *Diabetes Research and Clinical Practice*, (103), pp: 137 – 149.

- Gutteridge. 1995. Lipid peroxidation and antioxidants as biomarkers of tissue damage. *Clin Chem* (41), pp: 1819–1828.
- Hansawasdi C, Kawabata J, Kasai T, 2000. α -Amylase Inhibitors from Roselle (*Hibiscus sabdariffa* Linn.) Tea. *Bioscience. Biotechnology. Biochemistry*, 64(5), pp: 1041-43.
- Hartiati, Amna dan Sri Mulyani. 2009. Pengaruh Preparasi Bahan Baku Rosella dan Waktu Pemasakan terhadap Aktivitas Antioksidan Sirup Bunga Rosella (*Hibiscus sabdariffa* L.). *Agrotekno* (15) 1, pp: 20 – 24
- Hasnawati, R, A. 2013. *Pengaruh Pemberian Jus Buah Kersen (Muntingia calabura) pada Kadar LDL (Low Density Lipoprotein) dan HDL (High Density Lipoprotein) Tikus Sprague Dawley yang Diberi Diet Tinggi Lemak*. Skripsi. Yogyakarta: Universitas Gadjah Mada
- Herunsalee, J dan Suthisisang C. 2005. Antioxidant Effect Aqueous Extracts from Dried Calyx of *Hibiscus sabdariffa* Linn. (Rosele) In Vitro Using Rat Low-Density Lipoprotein (LDL). *Bio. Pharm*, 28 (3), pp: 481 – 484
- Hirunpanich V, Anocha U, Morales NP, Bunyahpraphatsara N, Sato H, Herunsalee A, Suthisisangt C. 2006. Hypocholesterolemic and Antioxidant Effect of Aqueous Effects from the Dried Calyx of *Hibiscus sabdariffa* L in Hypercholesteremic rat. *J Ethnopharmacol*, 103, pp:252-260.
- Hirunpanich, V., Anocha, U., Noppawan, P., Nunvatan, B., Hitoshi, S., Angkana, H., dan Chuthamane, S. 2005. Antioxidant Effects of Aqueous Extracts from Dried Calyx of *Hibiscus sabdariffa* Linn. (Roselle) in Vitro Using Rat Low-Density Lipoprotein (LDL). *Biol. Pharm. Bull*, (28), pp: 481 – 484.
- Hutapea, J.R. 1994. *Inventaris Tanaman Obat Indonesia*. Departemen Kesehatan RI dan Badan Penelitian dan Pengembangan Kesehatan.
- Indriawati, Ratna. 2013. Pengaruh Seduhan The Rosela Merah (*Hibiscus sabdariffa* L) terhadap Kadar Glukosa Puasa, Dua Jam Post Prandial dan Trigliserida Darah. *Majalah Ilmu Faal Indonesia*, Vol 10/2/2013
- International Diabetes Federation. 2013. *IDF Diabetes Atlas Sixth Edition*. Diakses dari http://www.idf.org/sites/default/files/EN_6E_Ch1_What_is_diabetes.pdf pada tanggal 7 Mei 2013
- Ivorra, M.D. 2008. *A Review of Natural Product and Plants as Potential Antidiabetic*. Diakses dari <http://www.ncbi.nlm.nih.gov/pubmed/2693840>, pada tanggal 1 April 2015.
- Jameson, J. 2010. *Harrison's Endocrinology*. United States: McGraw-Hill.

- Kim, Ji-Hye., Min-Jung, K., Ha-Neul., et al. 2011. Quercetin attenuates fasting and postprandial hyperglycemia in animal models of diabetes mellitus. *Nutr Res Pract*, 5(2), pp: 107-111.
- Kolar, F., Vaishali, S., Ghansham B. 2011. Phytochemical Constituent and Antioxidant Potential of some Underused Fruits. *Afr J Pharm Pharmacol*, Vol 5(18), pp: 2067 – 2072.
- Kubola, J., Sirithon S. and Naret, M. 2011. Phytochemicals , Vitamin C and sugar content of Hai Wild Fruits. *Elsevier : Food Chemistry*,126, pp: 972-981.
- Kuzmavova, S., Valcheva, K., Kuzmanov, V., Mihova, I., Krasnaliev, P., Borisova and Belcheva, A. (2007) Antihyperlipidemic Effect of Aronia Melanocarpa Fruit Juice in Rats Fed High-Cholesterol Diet. *Plants Foods for Human Nutrition*, 62 (1), pp: 19-24.
- Lamson, Davis W, MS, ND, and Brignall, Matthew S. ND. 2000. Antioxidants and cancerIII: Quercetin. *Alternative Medicine Review*, Volume 5 Number 3
- Langseth, L. 1995. *Oxidants, Antioxidants and Disease Prevention*. Belgium: ILSI Europe.
- LeDoux, S. P., Hall, C. R., Forbes, P. M., Patton, N. J., & Wilson, G. L. (1988). Mechanisms of nicotinamide and thymidine protection from alloxan and streptozocin toxicity. *Diabetes*, 37(8), pp: 1015-1019.
- Maghribi, R. 2013. *Pengaruh Pemberian Jus Buah Kersen (Muntingia calabura) terhadap Kadar Trigliserida pada Tikus Sprague Dawley Dislipidemia*. Skripsi. Yogyakarta: Universitas Gadjah Mada.
- Maknunah, Laila. 2013. *Pengaruh Pemberian Jus Buah Kersen (Muntingia caabura) terhadap Kadar Kolesterol Total pada Tikus Sprague Dawley Dislipidemia*. Skripsi. Yogyakarta: Universitas Gadjah Mada.
- Mancini, John and Robert, A. H. 2013. Dyslipidemia, Clinical Practice Guidelines. *Canadian Journal of Diabetes*, 37, pp: S110 – S116.
- Mangan, Yellia. 2009. *Solusi Sehat Mencegah dan Mengatasi Kanker*. Jakarta : PT AgroMedia Pustaka
- Mardiah., Sawarni, H., R. W. Ashadi., A. Rahayu. 2009. *Budi Daya dan Pengolahan Rosela si Merah Segudang Manfaat*. Jakarta: Agromedia Pustaka
- Marianne, Yuandani, dan Rosnani. 2011. Antidiabetic Activity from Ethanol Extract of Kluwih's Leaf (Artocarpus camansi). *Jurnal Natural*. 11, pp: 64-68.

- Maryani, H dan Lusi, K. 2008. *Khasiat dan Manfaat Rosela*. Jakarta: PT AgroMedia Pustaka
- McNeal, C., dan Wilson, D. 2008. Metabolic Syndrome and Dyslipidemia in Youth. *Journal of Clinical Lipidology*; 2, pp:147–55
- Miller, H., Rigelhof, F., Marquart, L., Prakash, A., Kanter, M. 2000. Antioxidant Content of Whole Grain Breakfast Cereals, Fruit and Vegetables. *J am Coll Nutr* (19), pp: 312-319S.
- Mohammed, A., Bierhaus, A., Schiekofer, S., Tritschler, H., Ziegler, R., Nawroth, P. 1999. The Role of Oxidative Stress and NF-Kappa B Activation in Late Diabetic Complications. *Biofactor*, (10), pp. 157 – 167.
- Morton, J.F. 1987. *Fruits of Warm Climate*. Miami : Creative Resource System
- Murray, R., Granner, D., Mayes, P., dan Rodwell, V. 2003. *Harper's Illustrated Biochemistry*. United States : McGraw-Hill.
- Murugan, Pidan dan Leelavinothan, Pari. 2006. Antioxidant Effect of Tetrahydrocurcumin in Streptozotocin–Nicotinamide Induced Diabetic Rats. *Life Sciences* 79 (2006), pp: 1720–172.
- Nugroho, Agung. 2006. Hewan Percobaan Diabetes Mellitus: Patologi dan Mekanisme Aksi Diabetogenik. *Biodiversitas*, 7(4), pp: 378-382.
- Onggang, F.S. 2009. *Pencegahan Dislipidemia dengan Pemberian Rosela (Hibiscus sabdariffa)*. Tesis. Yogyakarta: Program Pasca Sarjana Universitas Gadjah Mada Yogyakarta.
- Peng, C.H., et al. 2011. *Hibiscus sabdariffa* Polyphenolic Extract Inhibits Hyperglycemia, Hyperlipidemia, and Glycation-Oxidative Stress while Improving Insulin Resistance. *J. Agric. Food Chem.*, 59 (18), pp: 9901–9909.
- PERKENI. 2011. *Konsensus Pengendalian dan Pencegahan Diabetes Mellitus Tipe 2 di Indonesia 2011*. Jakarta : PERKENI.
- Prentki, Marc and Christopher, J, N. 2006. Islet β Cell Failure in Type 2 Diabetes. *The Journal of Clinical Investigation*. Volume 116, Number 7, pp:1802 – 1812.
- Rekha, Poornima, Manasa, Abhipsa, Pavithra, Vijay, Prashith. 2012. Ascorbic Acid, Total Phenol Content and Antioxidant Activity of Fresh Juices of Four Ripe and Unripe Citrus Fruits. *Chemical Science Transaction*: 1 (2), pp. 303-310.
- Shankar, P. K., Vasanth, K., Namita, R.2005. Evaluation of Antidiabetic Activity of Ginkgo Biloba in Streptozotocin Induced Diabetic Rats. *Iranian Journal of Pharmacology & Therapeutics*, 4, pp: 16-19.

- Shaw JE, Sicree RA, Zimmet PZ. Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Res Clin Pract* 2010; 87, pp: 4–14.
- Shirwaikar, K, Rajendran., Rakesh, B. 2006. Effect of Aqueous Bark Extract of *Garuga pinnata* Roxb. in Streptozotocin-nicotinamide Induced Type-II Diabetes Mellitus. *Journal of Ethnopharmacology*, volume 107, issue 2, pp: 285 – 290.
- Siddiqua, A., K. B. Premakumari., Roukiya, S., Vithya dan Savitha. 2010. Antioxidant Activity and Estimation of Total Phenolic Content of *Muntingia Calabura* by Colorimetry. *Int.J. ChemTech Res.* 2 (1), pp: 205-208.
- Smith, J. B. dan Soesanto M. 1988. *Pemeliharaan, Pembiakan dan Penggunaan Hewan Percobaan di Daerah Tropis*. Jakarta : Universitas Indonesia.
- Soeharto, I. 2000. *Penyakit Jantung Koroner dan Serangan Jantung. Pencegahan, Penyembuhan, Rehabilitasi*. Jakarta : Gramedia Pustaka Utama
- Stang, J dan Story, M. 2005. *Guidelines for Adolescent Nutrition Services*. Diakses dari http://www.epi.umn.edu/let/pubs/adol_book.shtm , pada tanggal 28 Maret 2015.
- Subramanian, Sorimuthu Pillai, dan Rao. 2010. Amelioration of Diabetic Dyslipidemia by *Morinda citrifolia* Fruits on Streptozotocin Induce Diabetic Rats. *J of Phar Rsch*, 3 (1), pp: 843 – 848.
- Tanko, Y. M. A., Okasham M. I.A., Saleh, A. M., M. Yerima., A. H. Yaro., A.I. Isa. 2008. Santi-Diabetic Effect of Ethanolic Flower Extracts of *Newbouldia levis* (Bignoniaceae) on Blood Glucose Level of Straptozotocin-Induced Diabetic Wistar Rats. *Research Journal of Medical Science*, 2 (2), pp: 57-60.
- Taskinen. 2002. Diabetic Dyslipidemia. *Atheroscler Suppl*, 3 (1), Pp: 47 – 51.
- Tiwari, A.K., J.M. Rao. 2002. Diabetes Mellitus and Multiple Therapeutic Approaches of Phytochemicals: Present status and future prospect. *Current Science*, 83 (1), pp:30-38.
- Tobing, A., B, Mahendra., Diah, K., Boy, Z, A. 2008. *Care Your Self Diabetes Mellitus*. Jakarta : Penebar Plus
- Ubani CS, Joshua PE, Oraeki AN. 2010. Influence of Aqueous Extract of *Hibiscus sabdariffa* Calyces on Lipid Profile of Phenobarbitone Induces Wistar Albino Rats. *J Pharm Res*, (3), pp: 19-24.
- Ueno, Y., Kizaki, M., Nakagiri, R., Kamiya, T., Sumi, H., Osawa, T. 2002. Dietary Gluthatione Protects Rats from Diabetic Nephropathy and Neuropathy. *The Journal of Nutrition*, (132), pp: 897 – 900.
- Utami, P. 2005. *Terapi Jus untuk Diabetes Mellitus*. Jakarta: AgroMedia Pustaka

- Verdayanti, T.E. 2009. *Uji Efektifitas Jus Buah Kersen (Muntingia calabura L.) Terhadap Penurunan Kadar Glukosa Darah Pada Tikus Putih (Rattus norvegicus)*. Skripsi. Malang: Universitas Muhammadiyah Malang.
- Whishaw, I. Q., Valerie., and Bryan K. 1999. *Analysis of Behaviour in Laboratory Rats*. USA : Elsevier Academic Press.
- WHO Departement of Noncommunicable Disease Surveillance. 1999. Definition, Diagnosis and Classification of Diabetes Mellitus and Its Complications. *Report of a WHO Consultation Part 1 : Diagnosis and Classification of Diabetes Mellitus*. Geneva: WHO.
- Wibowo, Trimanto. 2009. *Pengaruh Pemberian Seduhan Kelopak Rosela (Hibiscus sabdariffa) terhadap Kadar Kadar Trigliserida Darah Tikus Putih (Rattus norvegicus)*. Skripsi. Solo: Universitas Sebelas Maret.
- Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta: Kanisius
- Winarsi, H. 2010. *Protein Kedelai dan Kecambah. Manfaatnya bagi Kesehatan*. Yogyakarta: Kanisius
- Wostmann, B.S. 1975. Nutrition and Metabolism of The Germfree Mammal. *Rev.Nutr.Diet* 22, pp: 40-92.
- Wulandari, Octaviana dan Santi, M. 2013. Perbedaan Kejadian Komplikasi Penderita Diabetes Melitus Tipe 2 Menurut Gula Darah Acak. *Jurnal Berkala Epidemiologi*, 1 (2), pp: 182 – 191.
- Yokozawa, T., T. Nakagawa dan K. Kitani. 2002. Antioxidative activity of green tea polyphenol in cholesterolfed rats. *Journal of Agricultural and Food Chemistry*, 50, pp: 3549-35.
- Zatalia, Rabiul., dan Harsinen, S. 2013. The Role of Antioxidants in the Pathophysiology, Complications, and Management of Diabetes Mellitus. *Acta Med Indones – Indones J Intern Med*, 45 (2), pp: 141 -147.