

DAFTAR PUSTAKA

- AACE. 2007. *Medical Guidelines for Clinical Practice for the Management of Diabetes Mellitus*. 13. America. American Assosiation of Clinical Endocrinologists.
- Abdi Redha. 2010. *Flavonoid: Struktur, Sifat Antioksidatif dan Peranannya dalam Sistem Biologis*. <http://repository.polnep.ac.id>. 28 Mei 2015.
- Alonso AM, Dominguez C, Guillen DA, Barroso CG. 2002. *Determination of Antioxidant Power of Red and White Wines by A New Electrochemical Method and Its Correlation with Polyphenolic Content*. J Agric Food Chem, 50:3112–3115.
- Ariadi, H. P. 2013. *'Ekstraksi Senyawa Antioksidan Kulit Buah Kopi: Kajian Jenis Kopi Dan Lama Maserasi'*, skripsi. Jember, pp. 1–46.
- Arnelia. 2002. *Fitokimia, Komponen Ajaib Cegah PJK, Diabetes Melitus & Kanker*.
- Aronson, D. 2008. *Hyperglycemia and The Pathobiology Diabetic Complications*. Cardiol. Adv. Cardiol. 45: 1-16.
- Badarinath A, Rao K, Chetty CS, Ramkanth S, Rajan T, & Gnanaprakash K. A. 2010. *Review on In-vitro Antioxidant Methods: Comparisons, Correlations, and Considerations*. International Journal of PharmTech Research: 1276-1285.
- Bennett, P. 2008. *Epidemiology of Type2 Diabetes Millitus*. In LeRoith et.al, *Diabetes Millitus a Fundamental and Clinical Text*. Philadelphia: Lippincott William&Wilkin s, 43(1): 544-7.
- Benzie IF, Strain JJ. 1996. *The Ferric Reducing Ability of Plasma (FRAP) As a Measure of "Antioxidant Power" The FRAP Assay*. Anal Biochem, 239: 70-6.
- Bhullar KS, Rupasinghe H. 2013. *Polyphenols: Multipotent Therapeutic Agents in Neurodegenerative Diseases*. Oxidative medicine and cellular longevity.
- Blois MS. 1958. *Antioxidant Determinations by The Use of a Stable Free Radical*. Nature, 181: 1199-200.

- Bonita, J.S., Mandarano, M., Shuta, D. and Vinson, J., 2007. *Coffee and Cardiovascular Disease: In Vitro, Cellular, Animal, and Human Studies*. Pharmacological research, 55(3), pp.187-198
- C. Yang, H. Wang, G.X. Li, Z. Yang, F. Guan, H. Jin. 2011. *Cancer Prevention by Tea: Evidence from Laboratory Studies Pharmacol Res.* 64. pp. 113-122.
- Cahyono, Bambang. 2012. Sukses Berkebun Kopi. Penerbit Mina: Jakarta.
- Chang C, Yang M, Wen H, Chern J. 2002. *Estimation of Total Flavonoid Content Inpropolis by Two Complementary Colorimetric Methods*. J Food Drug Anal, 10: 178-82.
- Departemen Kesehatan. *Pharmaceutical Care untuk Penyakit Diabetes Melitus*. 2005.
- Dhianawaty D, Panigoro R. 2013. *Antioxidant activity of the waste water of boiled Zea mays (swett corn) on the cob*. Int J Res Pharm Sci, 4(2):266–9.
- Direktorat Jenderal Perkebunan. 2015. *Statistik Perkebunan Indonesia: Kopi 2014-2016*. Kementerian Pertanian. Jakarta.
- Dris, R dan Jain, S.M., 2004. *Production Practices and Quality Assesment of Food Crops: Quality Handling and Evaluation*. Kluwer Academic Publisher. New York, pp. 58-60.
- Esquivel, P. and Jimenez V.M. 2012. *Functional Properties of Coffee and Coffee by Products*. Food Research International 46: 2, 488-495.
- Hall S, Desbrow B, Dukie SA dkk. 2015. *A Review of The Bioactivity of Coffee, Caffeine and Key Coffee Constituents on Inflammatory Responses Linked to Depression*. Food Research International. 76(3): 626–636.
- Halliwel, B. and Gutteridge, J. M. C. (2007). *Free Radicals in Biology and Medicine*. Oxford: Oxford University Press dalam Henry, J. 2014. *Advances in Food and Nutrition Research*. Volume 71-Academic Press.
- Halvorsen, B.L., Holte,Kari., Myhrstad, Mari C. W., Barikmo, I.,Hvattum Erlend, Remberg Siv Fagertun, Wold Anne-Brit, Haffner Karin, Baugerød Halvard , Andersen Lene Frost , Moskaug Jan, Jacobs David R , Blomhoff Rune. 2002. *A Systematic Screening of Total Antioxidant in Dietary Plants*. Journal of Nutrition.

- Hamid, et all. 2010. *Antioxidants: Its Medicinal and Pharmacological Applications*. African Journal of Pure and Applied Chemistry Vol. 4(8), pp. 142-151, August.
- Harding, Anne Helen et al. 2003. *Dietary Fat and Risk of Clinic Type Diabetes*. American Journal of Epidemiology, 15(1): 150-9.
- Heeger, Andrea., Kosińska-Cagnazzo, Agnieszka., Cantergiani, Ennio., and Andlauer, Wilfried. (2017). *'Bioactives Of Coffee Cherry Pulp and Its Utilisation for Production of Cascara Beverage'*. Food Chemistry, 221. pp. 969–975. doi: 10.1016/j.foodchem.2016.11.067.
- Herdyanti, K. 2013. *Perancangan Awal dan Analisis Kelayakan Usaha Pengolahan Biji Kopi di Kabupaten Bener Meriah Provinsi Aceh*. Departemen Teknik Mesin dan Biosistem. Fakultas Teknologi Pertanian Institut Pertanian Bogor. Bogor.
- Kedare, S.B. dan Singh, R.P., 2011. *Genesis and Development of DPPH Method of Antioxidant Assay*. Journal of Food. Science and Technology, 48(4), 412-422.
- Koren E, Kohen R, Ginsburg I. 2010. *Polyphenols Enhance Total Oxidant-Scavenging Capacities of Human Blood by Binding to Red Blood Cells*. Experimental Biology and Medicine, 235(6):689-99.
- Korkina, L.G., Afanas'ev. I.B. (1997). *Antioxidant and Chelating Properties of Flavonoids*. Adv Pharmacol, 38. 15163.
- M.P. Almajano, J. Rosa Carbó, Angel López Jiménez, M.H. Gordon. 2008. *Antioxidant and Antimicrobial Activities of Tea Infusions Food Chem*. 108. pp. 55-63.
- Maryanto, Fatimah., 2004. *Pengaruh Pemberian Jambu Biji (Psidium guajava L.) pada Lipidemia Serum Tikus (Sprague dawley) Hiperkolesterolemia*. Media Medika Indonesia, 39:105-11.
- Marzouk, M.M. (2016). *Flavonoid Constituents and Cytotoxic Activity of Erucaria Hispanica (L.) Druce Growing Wild in Egypt*. Arabian Journal of Chemistry, 9: 411–415.

- McCune LM, Johns T. 2002. *Antioxidant Activity in Medicinal Plants Associated with The Symptoms of Diabetes Melitus Used by The Indigenous Peoples of The North American Boreal Forest*. J Ethnopharmacol, 82: 197-205.
- Molyneux, P. 2004. *The Use of The Stable Free Radical Diphenyl Picrylhydrazyl (DPPH) for Estimating Antioxidant Activity*.
- Murray, RK. 2003. *Biokimia Harper*. Jakarta: Penerbit Buku Kedokteran EGC.
- Najiyati dan Danarti. 2004. *Kopi Budidaya dan Penanganan Lepas Panen, Edisi Revisi*. Jakarta. Penebar Swadaya.
- Natella, F., M. Nardini, I. Giannetti, C. Dattilo and C. Scaccini. 2002. *Coffee Drinking Influence Plasma Antioxidant Capacity in Humans*. Journal of Agricultural and Food Chemistry. 50 : 6211-6216.
- Ordóñez AAL, Gómez JD, Vattuone MA, Isla MI. 2006. *Antioxidant Activities of Sechum Edule (Jacq)*. Swartz Extracts. Food Chem, 97: 452-8.
- Pandey, A., C.R. Soccol, P. Nigam, D. Brand, R. Mohan, S. Roussos. (2000). *Biotechnological potential of Coffee pulp and coffee husk for bioprocesses*. Biochemical Engineering Journal, 6 (2), pp. 153-162.
- Pisoschi AM, Negulescu GP. 2011. *Methods for Total Antioxidant Activity Determination: A Review*. Biochem & Anal Biochem, 1:106.
- Procházková, D., Bousová, I. & Wilhelmová, N., 2011. *Antioxidant and Prooxidant Properties of Flavonoids*. Fitoterapia. 82(4). pp. 513-523.
- Q.V. Vuong, C.E. Stathopoulos, M.H. Nguyen, J.B. Golding, P.D. Roach. 2011. *Isolation of green tea catechins and their utilization in the food industry* Food Rev Int. 27. pp. 227-247.
- Qinghu, W., Jinmei, J., Nayintai, D., Narenchaoketu, H., Jingjing, H., Baiyinmuqier, B. (2016). *AntiInflammatory Effects, Nuclear Magnetic Resonance Identification and HighPerformance Liquid Chromatography Isolation of The Total flavonoids From Artemisia Frigida*. Journal of Food and Drug Analysis, 24: 385-391.
- Rahardjo, P. 2012. *Panduan Budidaya dan Pengolahan Kopi Arabika dan Robusta*. Penebar Swadaya, Jakarta.

- Robertson, R.P., J. Harmon, P.O. Tran and V. Poitout. 2004. *β -Cell Glucose Toxicity, Lipotoxicity and Chronic Oxidative Stress in type 2 Diabetes*. Diabetes 53: S119- S124.
- Santoso, U. 2016. *Antioksidan Pangan*. Yogyakarta: Gadjah Mada University Press.
- Saxena M, Saxena J, Nema R, Singh D, Gupta A. 2013. *Phytochemistry of medicinal plants*. J Pharmacog Phytochem, 1(6):168–82.
- Shan, Y., Jin, X., Cheng, Y., Yan, W., 2017. *Simultaneous Determination of Chlorogenic Acids in Green Coffee Bean Extracts with Effective Relative Response Factors*. Int. J. Food Prop. 20, 2028–2040.
- Sharma N, Shukla S. 2011. *Hepatoprotective Potential of Aqueous Extract of Butea Monosperma Against CCl₄ Induced Damage in Rats*, In press: 1-11.
- Simanihuruk, Kiston, J., dan Sirait. 2010. *Silase Kulit Buah Kopi Sebagai Pakan Dasar pada Kambing Boerka Sedang Tumbuh*. Seminar Nasional Teknologi Peternakan dan Veteriner.
- Soematmaji, D.W. 1998. *Peran Stress Oksidatif dalam Patogenesis Angiopati Mikro dan Makro DM*. dalam: Medica. 5 (24): 318-325.
- Standar Nasional Indonesia. 2014. *Uji Kadar Polifenol*. Badan Standardisasi Nasional. Lampiran A.10.
- Sumihati, M., Widiyanto dan Isroli. 2011. *Utilitas Protein Pada Sapi Perah Friesian Holstein Yang Mendapat Ransum Kulit biji kopi Sebagai Sumber Serat Yang Diolah Dengan Teknologi Amoniasi Fermentasi (Amofer)*. Sintesis 15:1, 1-7.
- Surya Atmadja, M. 2003. *Pendidikan Berkesinambungan Patologi Klinik 2003*. Jakarta: Bagian Patologi Klinik Fakultas Kedokteran Universitas Indonesia.
- Szkudelski, T. 2012. *Streptozotocin-Nicotinamide-Induced Diabetes in The Rat. Characteristics of the experimental model*. J Experimental Biology and Medicine, 237: 481-490.
- Teixeria L. 2011. *Regular Physical Exercise Training Assists in Preventing Type 2 Diabetes Development: Focus on Its Antioxidant and Anti-inflammanatory Properties*. Biomed Central Cardiovascular Diabetology, 10(2): 1-15.

- Tian-yang., Wang., Qing Li., Kai-shun Bi. (2018). *Bioactive Flavonoids in Medicinal Plants: Structure, Activity and Biological Fateasian*. Journal of Pharmaceutical Sciences, 13: 12–23.
- Tiwari, A.K., J.M. Rao. 2002. *Diabetes Mellitus and Multiple Therapeutic Approaches of Phytochemicals: Present Status and Future Prospect*. Current Science; vol 83, 1 (30-38).
- Vanessa, M. Munhoza, R. L., José R.P., João, A.C., Zequic, E., Leite, M., Gisely, C., Lopesa, J.P., Melloa. (2014). *Extraction of Flavonoids from Tagetes Patula: Process Optimization and Screening for Biological Activity*. Rev Bras Farmacogn, 24: 576-583.
- Williamson, G., Dionisi, F., Renouf, M., 2011. *Flavanols from Green Tea and Phenolic Acids from Coffee: Critical Quantitative Evaluation of The Pharmacokinetic Data in Humans after Consumption of Single Doses of Beverages*. Mol. Nutr. Food Res. 55, 864–873.
- Yahmadi, Mudrig. 2007. *Rangkaian Perkembangan dan Permasalahan Budidaya & Pengolahan Kopi di Indonesia*. PT Bina Ilmu Offset: Jawa Timur.
- Yashin YI, Cheurnousova NI, Fedina PA, Levin DA, and Mironov SA. 2009. *Determination of Antioxidants in Coffee by Amperometric Method*. Beer Beverages. 2: 45-47.
- Zhang, D., dan Hamauzu, Y., 2004. *Phenolic Compounds and Theirs Antioxidant Properties in Different Tissues of Carrots (Daucus carota L.)*. Food, Agriculture and Environment, 2(1): 95-100.