

DAFTAR PUSTAKA

- Agarwall, A., dan Allmaneni, S.S.R., 2004. Oxidants and Antioxidants in Human Fertility. *Middle East Fertil, Soc, Journal*, 9 : 3.
- Bendary, E, Francis, R.R., Ali, H.M.G. , Sarwat, M.I. & Hady, El, 2013. Antioxidant and Structure-Activity Relationship (SARs) of Some Phenolic and Anilines Compound. *Annals of Agricultural Science*, 58 : 173-181.
- Blois, M.S., 1958. Antioxidant Determinations by the Use of a Stable Free Radical. *Nature*, 181 : 1199-1200.
- Bondet V., *et al*, 1997. Kinetics and Mechanisms of Antioxidant Activity Using The DPPH• Free Radical Method. *Lebensm.-Wiss. u.-Technol*, 30 : 609–615.
- Brand-Williams, W., Cuvveler, M.F., Berset, C., 1997. Use of a Free Radical Method to Evaluate Activity. *Lebensm.-Wiss. u.-Technol*, 28 : 25-30.
- Casagrande, R.,Georgetti, S.R., Jr., W.A.V., Borin, M.F., Lopez, R.F.V., dan Fonseca, M.J.V., 2006. In vitro evaluation of quercetin cutaneous absorption from topical formulations and its functional stability by antioxidant activity. *International Journal of Pharmaceutics*, 328: 183-190.
- Connors, K.A., G.L., Amidon, dan V.J., Stella, 1986, *Stabilitas Kimiawi Sediaan Farmasi*, Edisi II, terjemahan Drs. Didik Gunawan, 180-201 IKIP Semarang Press, Semarang.
- Dalimartha, S. dan Soedibyo, M., 1999, *Awet Muda dengan Tumbuhan Obat dan Diet Suplemen*, 36-40, Trubus Agriwidya, Jakarta.
- Dhawan, Vena, 2014, *Reactive Oxygen and Nitrogen Species: General Considerations In Studies on Respiratory Disease*, 183-186, Humana Press, New York.
- Dorman, H.J.D dan Hiltunen, R., 2004. Fe(II) Reductive and Free Radical-Scavenging Properties of Sumer Savory (*Satureja hortensis* L) Extract and Subfractions. *Journal Food Chemistry*, 93 : 633-639.
- El-Hajji H, Nikhili E, Tomao V.O, Dangles O., 2006. Interactions of quercetin with iron and copper ions: complexation and autooxidation. *Free Radic Res.*, 40 : 303–320.
- Fox, Shelley Chambers, 2014, *Remington Education Pharmaceuticals*, Pharmaceutical Press, United Kingdom.

- Galvez, M., Cardero, C.M., Houghton, P.J., dan Ayuso, M.J., 2005. Antioxidants Activity of Methanol Extracts Obtained From *Plantago* Species. *Journal Agricultural Food Chemistry*, 53 : 1927-1933.
- Gülçin, İlhami, 2009. Antioxidant Properties of Resveratrol: A Structure–Activity Insight. *Innovative Food Science and Emerging Technologies*, 11 : 210–218.
- Halliwell, B dan Gutteridge, J. M.C., 1999, *Free Radical in Biology and Medicine*, Oxford University Press, New York.
- Halliwell, B. dan Whiteman, M., 2004. Measuring Reactive Species And Oxidative Damage In Vivo And In Cell Culture: How Should You Do It And What Do The Results Mean? *Br J Pharmacol*, 142 : 231-55.
- Hanasaki, Y., Ogawa, S., Fukui, S., 1994. The correlation between active oxygens scavenging and antioxidative effects of flavonoids. *Free Radic. Biol. Med.* 16 : 845–850.
- Heijnen, C.G., Haenen, G.R.M.M., Oostveen, R.M., Stalpers, E.M., Bast, A., 2002. Protection of flavonoids against lipid peroxidation: the structure activity relationship revisited. *Free Radic. Res.* 36 : 575–581.
- Heijnen, C.G., Haenen, G.R.M.M., van Acker, F.A., van der Vijgh, W.J., Bast, A., 2001. Flavonoids as peroxynitrite scavengers: the role of the hydroxyl groups. *Toxicol. In Vitro* 15 : 3–6.
- Hertiani, T., 2000, Isolasi dan Identifikasi Senyawa Flavonoid Antioksidan dari Daun *Plantago Mayor L.*, *Tesis*, Program Pascasarjana UGM, Yogyakarta.
- Hussein, Mohammed A., 2011. A Convenient Mechanism For The Free Radical Scavenging Activity of Resveratrol. *International Journal of Phytomedicine.*, 3 : 459-469.
- Kedare, S.B., Singh, R. P., 2011. Genesis and Development of DPPH method of Antioxidant Assay. *J. Food Sci. Technol.* 48 : 412-422.
- Kikuzaki, H., Hisamoto, M., Hirose, K., Akiyama, K dan Taniguchi., H, 2002. Antioxidants Properties of Ferulic Acid and Its Related Compounds. *J. Agric. Food Chem.*, 50 : 2161-2168.
- Kirugawa, K., Kunugi, A, Kurechi, T., 1980, *Chemistry and Implication of Degradation of Phenolic Antioxidant, Food Antioxidant*, Tokyo College of Pharmacy, Japan.
- Kuntic, V., Pejic, N., Micic, S., Malesev, D., Vuzic, Z., 2002. Determination of Dissociation Constants of Quercetin. *Faculty of Pharmacy*, 439 – 440.

- Lankhanpal, P., Rai, D.K., 2007. Quercetin : A Versatile Flavonoid. *Internet Journal of Medical Update*, 22-27.
- Lautan, J., 1997, Radikal Bebas pada Nitrosit dan Leukosit, *Cermin Dunia Kedokteran*, 116 : 49-52
- Lestariana, W., 2003, Peran Antioksidan pada Proses Penuaan, *Berkala Neurosains*, 5 : 1-2.
- Makris, Dimitri P., dan Rossiter, John T., 2000. Heat-Induced, Metal-Catalyzed Oxidative Degradation of Quercetin and Rutin (Quercetin 3-O-Rhamnosylglucoside) In Aqueous Model Systems. *Journal Agricultural Food Chemistry*, 48 : 3830-3838.
- Makris, D. P., dan Rossiter, J. T., 2000. Quercetin and rutin (quercetin 3-O-rhamnosylglucoside) thermal degradation in aqueous media under alkaline conditions. *Royal Society of Chemistry Press*, 216-238.
- Meyer, L.H., 1973, *Food Chemistry*, Affiliated East-West Press PVT Ltd., New Delhi.
- Milbury, Paul. E., dan Ritcher, Alice. C., 2008, *Understanding The Antioxidants Controversy : Scrutinizing the "Fountain of Youth"*, Praeger Publishers, Westport, Connecticut.
- Mishra, Krishanand, Ojha, Himanshu., Chaudhury, Nabo Kumar., 2011. Estimation of Antiradical Properties of Antioxidant using DPPH Assays : A Critical review and results. *Food Chemistry*., 130 : 1036-1043
- Mochizuki, Manabu., Yamazaki, Shin-ichi., Kano, Kenji., Ikeda, Tokuji, 2002. Kinetic Analysis and Mechanistic Aspect of Autooxidation of Cathecins. *Biochimica et Biophysica Acta*, 1569 : 35-44
- Molyneux, P., 2004. The Use of The Stable Free Radical Diphenylpicryl-Hydrazyl (DPPH) For Estimating Antioxidant Activit., *Journal Science Technol*, 26 : 211-219.
- Moon, Young J., Wang, Liang, E. Morris, Marlyn, 2008. Quercetin Pharmacokinetics in Human. *Biopharm. Drug Dispos.*, 29: 205-217.
- Morikawa, K., Nonaka, M., Narahara, M, Torii, I., Kawaguchi, K., and Yoshikawa, T., Kumazawa, Y., dan Morikawa, S., 2003. Inhibitory effect of quercetin on carrageenan-induced inflammation in rats. *Life Science*, 26 : 709-21.

- Mursyidi, Achmad, 1984, *Statistika Farmasi dan Biologi*, Ghalia Indonesia, Jakarta
- Narita, Y., & Inouye, K., 2013. Degradation Kinetics of Chlorogenic Acid At various pH Values and Effects of Ascorbic Acid and Epigallocatechin Galate On Its Stability Under Alkaline Conditions. *Journal Agricultural Food Chemistry*, 61 : 966-972.
- Niki, E., Naguchi, N., Iwatsuk, M., & Kato, Y., 1995, cit Hertiani, T., 2000, *Isolasi dan Identifikasi Senyawa Flavonoid Antioksidan dari Daun Plantago mayor L.*, Tesis, 18, Program Pasca Sarjana UGM, Yogyakarta
- Pekal, A., Biesaga, M., Pyrzynska, K., 2010. Interaction of quercetin with copper ions : complexation, oxidation and reactivity towards radicals. *Science Bussiness Media*, 24 : 41-49.
- Pokorni, J., Yanishlieva, N., and Gordon, M., 2001, *Antioxidant in Food; Practical Applications*, CRC Press, New York.
- Pratt, D.E. dan B.J.F. Hudson cit Hudson B.J.F., 1990. Food Antioxidants. *Elsevier Apllied Science*, 30 : 1921-93.
- Prior, R. L., Wu, X., dan Schaich, K., 2005. Standardized Methods for the Determination of Antioxidant Capacity and Phenolics in Food and Dietary Supplements. *Journal Agricultural Food Chemistry*, 55 : 2698.
- Pujimulyani, D., 2003. Pengaruh Bleaching Terhadap Sofat Antioksidasi Sirup Kunir Putih (Curcuma manga Val.). *Agritech.*, 23 : 137-141.
- Remington, 2006, *The Science and Practice of Pharmacy*, 21st Edition, Philadelphia: Lippincot Williams & Wilkins.
- Schmalhausen, E. V., Zhlobek, E. B., Shalova, I. N., Firuzi, O., Saso, L., and Muronetz, V. I., 2007. Antioxidant and prooxidant effects of quercetin on glyceraldehyde-3-phosphate dehydrogenase. *Food and Chemical Toxicology*, 45 : 1988-93
- Shahidi and Naczk, 1995. Food phenolics: Sources, Chemistry, Effects, Applications. *Technomic Publishing Company Inc.*, 231-245.
- Sjahbana, D., Bahalwan, R.R., 2002, *Pesona Tradisional dan Ilmiah Mengkudu (Morinda citrifolia)*, 4-11, 25, 34-38, Penerbit Samba Medika, Jakarta.
- Suyatna, D.F., 1989. Radikal Bebas dan Ishkemia. *Cermin Dunia Kedokteran*, 57 : 25-28.

Villaño, D., Fernández-Pachón, M.S., Moyá, M.L., Troncoso, A.M., García-Parrilla, M.C., 2006. Radical Scavenging Ability of Polyphenolic Compounds towards DPPH Free Radical, *Elsevier*, 230-235.

Waji, Resi Agestia, 2003, *Kimia Organik Kuersetin*, Hasanudin Press, Makassar.

Widjaya, C.H., 2003, *Peran Antioksidan Terhadap Kesehatan Tubuh*, Edisi IV, Healthy Choice, Jakarta.

Wilmsen, P.K., Spada, D.S., dan Salvador, M., 2005. Antioxidant Activity of Flavonoid Hesperidin in Chemical and Biological System. *Journal Agricultural Food Chemistry*, 53 : 4757-4761.

Yoshioka, S., Stella, V.J., 2002. *Stability of Drugs and Dosage Forms*, Kluwer Academic Publishers, New York.