



## DAFTAR PUSTAKA

- Anbudhasan, P., Surendraraj, A., Karkuzhali, S., Sathishkumaran, P., 2014, Natural antioxidants and its benefits, *International Journal of food and nutritional sciences*, **3** (6), 225-232.
- Andarwulan, N., Kurniasih, D., Apriady, R.A., Rahmat, H., Roto, A.V., Bolling, B.W., 2012, Polyphenols, carotenoids, and ascorbic acid in underutilized medicinal vegetables, *Journal of Functional Foods*, **4**, 339-347.
- Bunawan, H., Baharum, S.N., Bunawan, S.N., Amin, N.M., & Noor, N.M., 2014, *Cosmos Caudatus Kunth: A Traditional Medicinal Herb*, *Global Journal of Pharmacology*, **8** (3), 420-426..
- Cadenas, E. & Packer, L., 2002, *Handbook of Antioxidants*, Marcel Dekker Inc., New York.
- Carocho, M., Morales, P., Ferreira, I.C.F.R., 2018, Antioxidants: Reviewing the chemistry, food applications, legislation and role as preservatives, *Trends in Food Science & Technology*, **71**, 107-120.
- Dehpour, A.A., Ebrahimzadeh, M.A., Fazel, N.S., dan Mohammad, N.S., 2009, Antioxidant Activity of Methanol Extract of Ferula assafoetida and Its Essential Oil Composition, *Grasas Aceites*, **60** (4), 405-412.
- Departemen Kesehatan Republik Indonesia, 2000, *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Departemen Kesehatan RI, Jakarta.
- Dinis, T.C., Maderia, V.M., dan Almeida, L.M., 1994, Action of Phenolic Derivates (Acetoaminophen, Salicylate and 5-Aminosalicylate) as Inhibitors of Membrane Lipid Peroxidation and as Peroxyl Radical Scavengers, *Archives of Biochemistry and Biophysics*, **315**, 161–169.
- Direktorat Jenderal Pengawasan Obat dan Makanan RI, 1986, *Sediaan Galenik*, Jilid 2, Departemen Kesehatan RI, Jakarta.
- Direktorat Jenderal Pengawasan Obat dan Makanan RI, 1995, *Farmakope Indonesia*, Edisi IV, Departemen Kesehatan Republik Indonesia, Jakarta.
- Gandjar, I.G. & Rohman, A., 2010, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta
- Gao, L., & Mazza, G., 1994, A Rapid Method for Complete Characterization of Simple and Acylated Anthocyanins by High Performance Liquid Chromatography and Capillary Gas Liquid Chromatography, *J. Agric. Food Chem.*, **42**, 118-125.



Harborne, J.B., 1987, *Metode Fitokimia: Penentuan Cara Modern Menganalisis Tumbuhan*, Ed. 2, diterjemahkan oleh Padmawinata K. dan Sudiro I., Penerbit ITB, Bandung.

Harborne, J.B. & Williams, C.A., 2000, Advances in Flavonoid Research Since 1992, *Phytochemistry*, **55**, 481-504.

Hirose, Y., Fujita, T., Ishii, T., Ueno, N., 2010, Antioxidative properties and flavonoid composition of *Chenopodium quinoa* seeds cultivated in Japan, *Food Chemistry*, **119**, 1300-1306.

Hur, S.J., Lee, S.Y., Kim, Y.C., Choi, I., Kim, G.B, 2014, Effect of fermentation on the antioxidant activity in plant-based foods, *Food Chemistry*, **160**, 346-356.

Irianti, T., Puspitasari, A., L., Machwiyyah., HR, Rabbani., 2015, The Activity of Radical Scavenging of 2,2-Diphenyl-1-Pycrilhydrazil (DPPH) by Ethanolic Extracts of Mengkudu Leaves (*Morinda citrifolia* L.), Brotowali Stem (*Tinospora crispa* L.), its Water Fraction and its Hydrolized Fraction, *Trad. Med. J.*, **20** (3), 140-148.

Koleva, I.I., van Beek, T.A., Linssen, J.P.H., de Groot, A., dan Evstatieva, L.N., 2002, Screening of Plant Extracts For Antioxidant Activity: A Comparative Study on Three Testing Methods, *Phytochemical Analysis*, **13**, 8-17.

Lee, T.K., & Vairappan, S., 2011, Antioxidant, antibacterial and cytotoxic activities of essential oils and ethanol extracts of selected South East Asian herbs, *Journal of Medicinal Plants Research*, **5** (21), 5284-5290.

Lestari, F., 2007, *Bahaya Kimia: Sampling dan Pengukuran Kontaminan Kimia di Udara*, Penerbit EGC, Jakarta.

Litescu, S.C., Eremia, S. & Radu, G. L., 2010, Methods for the Determination of Antioxidant Capacity in Food and Raw Materials, *Adv. Exp. Med. Biol.*, **698**, 241-249.

McDonald, M.S., Hughes, M., Burns, J., Lean, M.E.J., Matthews, D. & Crozier, A., 1998, Survey of The Free and Conjugated Myricetin and Quercetin Content of Red Wines of Different Geographical Origins, *J. Agric. Food Chem.*, **46**, 368-375.

Moshawih, S., Cheema, M.S., Ahmad, Z., Zakaria, Z.A., & Hakim, M.N., 2017, A Comprehensive Review on *Cosmos caudatus* (Ulam Raja): Pharmacology, Ethnopharmacology, and Phytochemistry, *International Research Journal of Education and Sciences*, **1** (1), 14-31.

Mulja, M. & Suharman, 1995, *Analisis Instrumental*, Airlangga University Press, Surabaya.



Nimse, S.B. & Pal, D., 2015, Free radicals, natural antioxidants, and their reaction mechanisms, *Royal Society of Chemistry Advances*, **5**, 27986-28006.

Rajendran, P., 2014, Antioxidants and human diseases, *Clinica Chimica Acta*, **436**, 332-347.

Rasdi, N.H.M., Samah, O.A., Sule, A., Ahmed, Q.U., 2010, Antimicrobial studies of *Cosmos caudatus* Kunth. (Compositae), *Journal of Medicinal Plants Research*, **4** (8), 669-673.

Rohman, A., 2014, *Validasi dan Penjaminan Mutu Metode Analisis Kimia*, Gadjah Mada University Press, Yogyakarta.

Rubiyanto, D., 2013, *Teknik Dasar Kromatografi*, Penerbit Deepublish, Yogyakarta.

Sabattier S., Amiot M.J., Tacchini M., Aubert S., 1992, Identification of Flavonoids in Sunflower Honey, *J. Food Sci.*, **57**, 773 – 777.

Sani, I.M., Iqbal, S., Chan, K.W., Ismail, M., 2012, Effect of Acid and Base Catalyzed Hydrolysis on the Yield of Phenolics and Antioxidant Activity of Extracts from Germinated Brown Rice (GBR), *Molecules*, **17**, 7584-7594.

Shahidi, F., & Zhong, Y., 2015, Measurement of antioxidant activity, *Journal of Functional Foods*, **18**, 757-781.

Shui, G., Leong, L.P., Wong, S.P., 2005, Rapid screening and characterisation of antioxidants of *Cosmos caudatus* using liquid chromatography coupled with mass spectrometry, *Journal of Chromatography B*, **827**, 127-138.

Spangenberg, B., Poole, C.F. & Weins, C., 2011, *Quantitative Thin-Layer Chromatography*, Springer-Verlag, Berlin.

Stalikas, C.D., 2007, Extraction, Separation, and Detection Methods for Phenolic Acids and Flavonoids, *J. Sep. Sci.*, **30**, 3268-3295.

Wang, S.Y., Kuo, Y.H., Chang, H.N., Kang, P.L., Tsay, H.S., Lin, K.F., Yang, N.S., Shyur, N.F., 2002, Profiling And Characterization Antioxidant Activities In Anoectochilus Formosanus Hayata, *J. Agric. Food. Chem.*, **50**, 1859-1865.

Windono,T., Soediman, S., Yudawati, U., Ermawati, E., Srielita, A., dan Erowati, T.I., 2001, Uji Peredam Radikal Bebas Terhadap 1,1-Diphenyl-2-picrylhydrazyl (DPPH) dari Ekstrak Kulit Buah dan Biji Anggur (*Vitis vinifera L.*) Probolinggo Biru dan Bali, *Artocarpus*, **1** (1), 34-43.

Young, I.S., & Woodside, J.V., 2001, Antioxidants in health and disease, *J Clin Pathol.*, **54**, 176-186.