

## DAFTAR PUSTAKA

- Agbor, G. A., Vinson, J. A., & Donnelly, P. E. 2014. Folin-Ciocalteu reagent for polyphenolic assay. *Int. J. Food Sci. Nutr. Diet*, 3 (8), 147-156.
- Agustina, R., Andayani R., & Dachriyanus. 2014. Development and validation of thin-layer chromatographic method for determination of alfa mangostin in young pericarp, ripe pericarp, and bark extract of *Garcinia mangostana* L. using TLC-densitometry. *Int. J. Res. Pharm. Sci.*, 5 (4), 294-298.
- Andayani, R., Maimunah & Lisawati Y. 2008. Penentuan aktivitas antioksidan, kadar fenolat total dan likopen pada buah tomat (*Solanum lycopersicum* L). *Jurnal Sains dan Teknologi Farmasi*, 13 (1), 31-37.
- Benzie, I. F. F & Strain, J. J. 1999. Ferric reducing/antioxidant power assay: direct measure of total antioxidant activity of biological fluids and modified version for stimulanous measurement of total antioxidant power and ascorbic acid concentration. *Method in Enzymology*, 299, 15-27.
- Biskup, I., Golonka, I., Gamian, A., & Sroka, Z. 2013. Antioxidant activity of selected phenols estimated by ABTS and FRAP methods. *Postepy Hig Med Dosw (online)*, 67, 958-963.
- Budiana, N.S. 2013. *Buah Ajaib Tumpas Penyakit*. Jakarta : Penebar Swadaya.
- Chaverri, J. P., Rodringuez, N. C, Ibarra, M. O., & Rojas, J. M. P. 2008. Medicinal properties of mangosteen (*Garcinia mangostana* L.). *Food and Chemical Toxicology*, 46, 3227-3239.
- Dachriyanus, Katrin D.O, Rika O., Suhatri, & Mukhtar M.H. 2007. Uji efek  $\alpha$ -mangostin terhadap kadar kolesterol total, trigliserida, HDL dan LDL darah mencit putih jantan serta penentuan lethal dosis 50 (LD<sub>50</sub>). *J. Sains dan Tek Far.*
- Departemen Kesehatan RI. 1995. *Farmakope Indonesia Edisi IV*. Jakarta: Departemen Kesehatan RI.
- Departemen Kesehatan RI. 2000. *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Departemen Kesehatan RI.
- Departemen Kesehatan RI. 2008. *Farmakope Herbal Indonesia Edisi I*. Jakarta: Departemen Kesehatan RI.
- Fessenden, R. J. & J. S. Fessenden. 1992. *Kimia Organik*. Jilid II. Jakarta : Erlangga.
- Harborne, J.B. 1987. *Metode Fitokimia*. Bandung : Penerbit ITB.

- Harmita. 2004. Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya. *Majalah Ilmu Kefarmasian*, 1 (3), 117-135.
- Harris, D.C. 2007. *Quantitative Chemical Analysis*. 7<sup>th</sup> ed. New York: W.H. Freeman and Company.
- Heyne, K. 1987. *Tumbuhan Berguna Indonesia jilid III*. Jakarta : Badan Litbang Kehutanan dan Yayasan Sarana Wana Jaya.
- Hidayat, S. & Rodame M.N. 2015. *Kitab Tumbuhan Obat*. Jakarta : Agriflo.
- Huang, D., Ou, B., & Prior, R. L. 2005. The chemistry behind antioxidant capacity assays. *J. Agricultural and Food Chemistry*, 53, 1841-1856.
- Isnawati, A., & Indri R. 2013. Penetapan kadar artemisinin dalam ekstrakheksan tanaman *Artemisia annua L.* menggunakan metode densitometri. *Pusat Biomedis dan Teknologi Dasar Kesehatan*. Badan Penelitian dan Pengembangan Kesehatan, Kementerian Kesehatan RI. Jakarta.
- Jeffery, G.H., J. Basset, J. Mendham, & R.C. Denney. 1989. *Vogel's Textbook Of Quantitative Chemical Analysis*. 5<sup>th</sup>. New York: Longman Group UK.
- Lee, K. W., Kim, Y. J., Lee, H. J., & Lee, C. Y. 2003. Cocoa has more phenolic phytochemicals and a higher antioxidant capacity than teas and red wine. *J. Agric. Food Chem.*, 51, 7292-7295.
- Mahabusarakam, W., Iriyachitra, P., & Taylor, W. C. 1987. Chemical constituents of *Garcinia mangostana*. *J. Nat. Prod.*, 50, 474-478.
- Mardawati, E., Filianty, F., & Marta, H. 2008. Kajian aktivitas antioksidan ekstrak kulit manggis (*Garcinia mangostana L*) dalam rangka pemanfaatan limbah kulit manggis di Kecamatan Puspahiang Kabupaten Tasikmalaya. *Staf Pengajar Jurusan Teknologi Industri Pangan*. Fakultas Teknologi Industri Pertanian Universitas Padjadjaran.
- Marinova, G., & Batchvarov, V. 2011. Evaluation of the methods for determination of the free radical scavenging activity by DPPH. *Bulgarian Journal of Agricultural Science*, 17 (1), 11-24.
- Paramawati, R. 2010. *Dahsyatnya Manggis Untuk Menumpas Penyakit*. Jakarta : PT. Agro Media Pustaka.
- Pietta, P.G. 1999. Flavonoids as antioxidants. Reviews. *J. Nat. Prod*, 63.
- Pothitirat, W., & Gritsanapan, W. 2009. HPLC quantitative analysis method for determination  $\alpha$ -mangostin in mangosteen fruit rind extract. *Thai Journal of Agricultural Science* 2009, 42.

- Prakash, A. 2001. Antioxidant activity. *Medallion Laboratories Analytical Progress*, 19.
- Prior, R.L., Wu, X., & Scaich, K. 2005, Standardized methods for the determination of antioxidant capacity and phenolics in foods and dietary supplements. *J. Agric. Food Chem.*
- Rohman, A & Gandjar, I.G. 2007. *Kimia Farmasi Analisis*. Cetakan 1. Pustaka Pelajar. Yogyakarta
- Rohman, A. 2007. *Metode Kromatografi untuk Analisis Makanan*. Cetakan I. Pustaka Pelajar. Yogyakarta.
- Rohman, A. 2009. *Kromatografi Untuk Analisis*. Cetakan I. Graha Ilmu.
- Selawa, W., Runtuwene, M. R. J., & Citraningtyas, G. 2013. Kandungan flavonoid dan kapasitas antioksidan total ekstrak etanol daun binahong [*Anrederacordifolia* (Ten.) Steenis.]. *Jurnal Ilmiah Farmasi*, 2 (1), 18-22.
- Shaleha, D.N. 2010. Pengukuran kandungan skopolentin pada beberapa tingkat kematangan buah mengkudu (*Morinda citrifolia* Linn.) dengan metode KLT densitometri. *Agrovigor*, 3 (1).
- Syamsudin, F., Widowati, D., & Faizatun. 2008. Profil distribusi dan eliminasi senyawa  $\alpha$ -mangostin setelah pemberian oral pada tikus. *Jurnal Sains dan Teknologi Farmasi*, 13 (2), 53-58.
- Terry, L. A., Vicente, A., & Cools, K. 2011. Methodologies for extraction, isolation, characterization and quantification of bioactive compounds. *Health-Promoting Properties of Fruits and Vegetables*, CAB International, 375-376.
- Thaipong, K., Boonprakob, U., Crosby, K., Cisneros-Zevallos, L., & Byrne, D.H. 2006. Comparison of ABTS, DPPH, FRAP and ORAC assays for estimating antioxidant activity from guava fruit extracts. *Journal of Food Compositions and Analysis*, 19, 669-675.
- Tursiman, Puji A., & Risa N. 2012. Total fenol fraksi etil asetat dari buah asam kandis (*Garcinia dioica* Blume). *JKK*, 1 (1), 45-48.
- Umayah, E., & Amrun, M. H. 2007. Uji aktivitas antioksidan ekstrak buah naga (*Hylocereus undatus* (Haw.) Britt. & Rose). *Jurnal Ilmu Dasar*, 8 (1): 83-90.
- United States Pharmacopoeia Convention. 2007. *The United States Pharmacopoeia- National formulary 30<sup>th</sup> Edition*. United States of America.

- Vitchipan, S., Vitchipan, K., & Sirikkhansaeng, P. 2007. Flavonoid content and antioxidant activity of krachai-dum (*Kaempferia parviflora*) wine. *KMITL Sci. Tech. J.*, 7 (S2), 97-105.
- Voigt, H. 1994. *Buku Pelajaran Teknologi Farmasi*. Terjemahan Soendani Noerono. Yogyakarta: UGM Press.
- Walker, E. B., 2007. 'HPLC Analysis of Selected Xanthenes in mangosteen Fruit'. *J. Sep. Sci.*, 30: 1229-1234.
- Waterhouse, A. L. 2002. Determination of Total Phenolic. In R. E. Wrolstad. *Current Protocols in Food Analytical Chemistry* Supplement 6. Inc.: John Wiley Sons.
- Weecharangsan, W., Opanasopit, P., Sukma, M., Ngawhirunpat, T., Sotanaphun, U., & Siripong, P. 2006. Antioxidative and neuroprotective activities of extract from the fruit hull of mangosteen (*Garcinia mangostan* Linn.). *Med Princ Pract*, 15, 281–287.
- Winarsi, Herry. 2011. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta: Kanisius.
- Yoshimura, M., Ninomiya, N., Maejima, K., Yoshida, T., & Amakura, Y. 2015. Polyphenolic constituents of the pericarp of mangosteen (*Garcinia mangostana* L.). *J. Agric. Food Chem.*, 63 (35), 7670–7674.
- Yuangsoi, B., Jintasataporn, O., Areechon, N., & Tabthipwon, P. 2008. Validated TLC-densitometric analysis for determination of carotenoids in fancy carp (*Cyprinus carpio*) serum and the application for pharmacokinetic parameter assessment. *Songklanakarin J. Sci. Technol.*, 30 (6), 693-700.

