

DAFTAR PUSTAKA

- Alam, M. N., Bristi, N. J., dan Rafiquzzaman, M., 2012, Review on In Vivo And In Vitro Methods Evaluation Of Antioxidant Activity, *Saudi Pharmaceutical Journal*, 21, 143–152.
- Ani, M., Moshtaghie, A. A., Ahmadvadn, H., 2007, Comparative Effects of Copper, Iron, Vanadium and Titanium on Low Density Lipoprotein Oxidation in vitro, *Iranian Biomedical Journal*, 11(2), 113-118.
- Anief, M., 2000, *Ilmu Meracik Obat Teori dan Praktek*, Gadjah Mada University Press, Yogyakarta.
- Astadi, I.R., Astuti, M., Santoso, U., Nugraheni, P. S., 2009, In Vitro Antioxidant Activity of Anthocyanins of Black Soybean Seed Coat In Human Low Density Lipoprotein (LDL), *Food Chemistry*, 112, 659–663.
- Ayala, A., Muñoz, M. F., Argüelles, S., 2014, Lipid Peroxidation: Production, Metabolism, and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal, *Oxidative Medicine and Cellular Longevity*, ID 360438.
- Azzahra, A., 2015, Aktivitas Antioksidan Ekstrak Daun Sukun (*Artocarpus Altilis* (Park.) Fosberg) Dengan Metode FRAP Serta Penetapan Kandungan Fenolik Dan Flavonoid Totalnya, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Bathyany, C., Santos, C. X. C., Botti, H., Cervenansky, C., Radi, R., Augusto, O., Rubbo, H., 2000, Direct Evidence for apo B-100-Mediated Copper Reduction: Studies with Purified apo B-100 and Detection of Tryptophanyl Radicals, *Biochemistry and Biophysics*, 384(2), 335-340.
- Beyer, C., Steketee, J., Saphier, D., 1998, Antioxidant Properties of Melatonin in an Emerging Mystery, *Biochemical Pharmacology*, 56, 1265-1272.
- Bishop, Michael L., Fody, Edward P., Schoeff, Larry E., 2013, *Clinical Chemistry: Principles, Procedures, Correlations*, Lippincott, Philadelphia, 313-318.
- Chang, Y., Huang, K., Huang, A., Ho, Y., Wang, C., 2006, *Hibiscus* Anthocyanins-Rich Extract Inhibited LDL Oxidation And Oxldl-Mediated Macrophages Apoptosis, *Food and Chemical Toxicology*, 44, 1015–1023.
- Cobbold, C. A., Sherratt, J. A., and Maxwell, S. R. J., 2002, Lipoprotein Oxidation and Its Significance for Atherosclerosis : a Mathematical Approach, *Bulletin of Mathematical Biology*, 64, 65-95.
- Corocho, Marcio., Ferreira, Isabel., 2013, A Review on Antioxidant, Prooxidant, and Related Controversy : Natural and Synthetic Compounds, Screening, and Analysis Methodologist and Future Perspective, *Food and Chemical Technology*, 51, 15-25.
- Coronel, R. E., 1983, *Rimas and Kamansi Promising Fruits of the Philippines*, 379-396, *College of Agriculture*, University of the Philippines, Los Banos.
- Departemen Kesehatan Republik Indonesia, 1985, *Cara Pembuatan Simplisia*, Direktorat Jenderal Pengawasan Obat dan Makanan, Jakarta.

- Departemen Kesehatan Republik Indonesia, 1986, *Sediaan Galenik*, Direktorat Jenderal Pengawasan Obat dan Makanan, Jakarta.
- Departemen Kesehatan Republik Indonesia, 1993, *Inventaris Tanaman Obat Indonesia (II)*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 1997, *Inventaris Tanaman Obat Indonesia (IV)*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2000, *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Direktorat Jenderal Pengawasan Obat dan Makanan, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2007, *Kebijakan Obat Tradisional Nasional Tahun 2007*, Keputusan Menteri Kesehatan Republik Indonesia Nomor: 381/Menkes/SK/III/2007.
- Departemen Kesehatan Republik Indonesia, 2008, *Farmakope Herbal Indonesia*, Edisi I, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2009, *Undang-undang Republik Indonesia Nomor 36 Tahun 2009 tentang Kesehatan*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Devasagayam, T. P. A., Tilak, J. C., Bloor, K. K., Sane, K. S., Ghaskadbi, S. S., Lele, R. D., 2004, Free Radicals and Antioxidants in Human Health: Current Status and Future Prospects, *J Assoc Physicians India*, 52, 794-804.
- Esra, B., Umit, M. S., Cansin, S., Serpil, E., & Omer, K., 2012, Oxidative Stress and Antioxidant Defense, *WAO Journal*, 5, 9-19.
- Fadei, B., Ahmadvand, H., Dehnoo, M. G., Mirzaei, S., 2015, Inhibitory Effects Of Myrtle (*Myrtus communis* L.) Leaves Hydroalcoholic Extract On LDL Oxidation In Vitro, *Journal of Chemical and Pharmaceutical Research*, 7(2), 42-46.
- Fidrianny, I., Rahmiyani, I., & Wirasutisna, K.R., 2013, Antioxidant Capacities from Various Leaves Extracts of Four Varieties Mangoes Using DPPH, ABTS Assays and Correlation with Total Phenolic, Flavonoid, Carotenoid, *International Journal of Pharmacy and Pharmaceutical Sciences*, 5, 193.
- Foti, M. C., 2007, Antioxidant Properties of Phenols, *J. Pharm. Pharmacol.*, 59(12), 1673-85.
- Hakim, E. H., Achmad, S. A., Juliawaty, L. D., Makmur, L., Syah, Y. M., Aimi, N., Kitajima, M., Takayama, H., & Ghisalberti, E. L., 2006, Prenylated Flavonoids and Related Compounds of the Indonesian *Artocarpus*, *J.Nat. Med.*, 60,161.
- Harborne, J. B., 1973, *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan*, Edisi II, diterjemahkan oleh Kosasih, P., & Iwang, S., 1987, 1-12, 123-154, Institut Teknologi Bandung, Bandung.
- Heim, K. E., Tagliaferro, A. R., & Bobilya, D. J., 2002, Flavonoid Antioxidants : Chemistry, Metabolism, Structure Activity Relationships, *The Journal of Nutritional Biochemistry*, Vol 13, Issue 10, 572-584.
- Heyne, K., 1987, *Tumbuhan Berguna Indonesia*, Jilid II, Badan Penelitian dan Pengembangan Kehutanan, Departemen Kehutanan RI, Jakarta.

- Hseu, Y., Chang, W., Chen, C., Liao, J., Huang, C., Lu, F., Chia, Y., Hsu, H., Wu, J., Yang, H., 2008, Antioxidant Activities Of *Toona Sinensis* Leaves Extracts Using Different Antioxidant Models, *Food and Chemical Toxicology*, 46, 105–114.
- Hseu, Y., Le, C., Chen, Y., Kumar, K. J. S., Chen, C., Tsai, C., Huan, H., Wang, H., Yang, H., 2014, *Antrodia salmonea* In Submerged Culture Exhibits Antioxidant Activities In Vitro And Protects Human Erythrocytes And Low-Density Lipoproteins From Oxidative Modification, *Food and Chemical Toxicology*, 66, 150–157.
- Janero D. R., 1990, Malondialdehyde and Thiobarbituric Acid-reactivity as Diagnostic Indices of Lipid Peroxidation and Peroxidative Tissue Injury, *Free Radic Biol Med*, 9, 515-540.
- Jantan, I., Saputri, F. C., Qaisar, M. N., Buang, F., 2012, Correlation between Chemical Composition of *Curcuma domestica* and *Curcuma xanthorrhiza* and Their Antioxidant Effect on Human Low-Density Lipoprotein Oxidation, *Evidence-Based Complementary and Alternative Medicine*, ID438356, 1-10.
- Jetawattana, S., 2005, Malondialdehyde (MDA), a Lipid Oxidation Product, Free Radicals in Biology and Medicine, *Spring*, 77:222.
- Kumar, Shashank, dan Pandaey, Abhay K., 2013, Chemistry and Biological Activities of Flavonoids: An Overview, *The Scientific World Journal*, Vol 2013, Article ID 162750.
- Kunwar, A., & Priyadarsini, K. I., Free Radicals, Oxidative Stress And Importance Of Antioxidants In Human Health, *J Med Allied Sci*, 1(2), 53-60.
- Lan, W., Tzeng, C., Lin, C., Yen., F., & Ko., H., 2013, Prenylated flavonoids from *Artocarpus altilis*: Antioxidant Activities and Inhibitory Effects in Melanin Production, *Phytochemistry*, 89, 78-88.
- Lee, C. H., Yang, L., Xu, J. Z., yeung, S. Y. V., Huang, Y., Chen, Z., 2005, Relative Antioxidant Activity Of Soybean Isoflavones And Their Glycosides, *Food Chemistry*, 90, 735–741
- Lefevre, G., Bonneau, C., Rahma, S., Chanu, B., Brault, D., Couderc, R., Etienne, J., 1996, Determination of Plasma Protein-bound Malondialdehyde by Derivative Spectrophotometry, *Eur J Clin Chem Clin Biochem*, 34, 631-636.
- Lykkesfeldt, Jens, 2007, Malondialdehyde As Biomarker Of Oxidative Damage to Lipids Caused by Smoking, *Clinica Chimica Acta*, 380, 50–58.
- Marnette, L. J., 1999, Generation of Mutagens during Arachidonic Acid Metabolism, *Cancer Metastas Rev*, 13, 303-308.
- Massal, E., & Barrau, J., 1954, Pasific Subsistence Crops: Breadfruit, *South Pacific Bull*, 4(4), 24-26.
- Nair, V., Turner, G. A., 1984, The Thiobarbituric Acid Test for Lipid Peroxidation: Structure of the Adduct with Malondialdehyde, *Lipids*, 19, 804-805.

- Nayeem, N., SMB, Asdaq, Salem, H., AHEI-Alfayy, 2016, Gallic Acid: A Promising Lead Molecule for Drug Development, *Journal of Applied Pharmacy*, 8, 2.
- Nemec, A., Srobnic_Kosorok, M., Skitek, M., Pavlica, Z., Galac, S. Butinar, J., 2000, Total Antioxidant Capacity (TAC) and Their Correlation with Individual Antioxidant in Serum of Healthy Beagles, *Acta Vert Brno*, 69, 297-303.
- Patil, A. D., Freyer, A. J., Killmer, L., Offen, P., Taylor, P. B., Votta, B. J., Johnson, R. K., 2002, A New Dimeric Dihydrochalcone and A New Prenylated Flavone From The Bud Covers of *Artocarpus altilis*: Potent Inhibitors of Cathepsin K., *J Nat Prod*, 65(4), 624-7.
- Ragone, D., 1997, *Breadfruit Artocarpus altilis (Parkinson) Fosberg. Promoting the Conservation and Use of Underutilized and Neglected Crops*, 10, Institute of Plant Genetics and Crop Plant Research, Gatersleben/International Plant Genetic Resources Institute, Roma.
- Reische, D. W., Lillard, D. A., dan Eitenmiller, D., 2002, *Antioxidants*. Dalam: Casimir, C., Akoh, dan David, B. Min. Food Lipids: Chemistry, Nutrition, and Biotechnology. Marcel Dekker, Inc. New York.
- Roland, A., Patterson, R. A., Leake, D. S., 2001, Measurement of Copper-Binding Sites on Low Density Lipoprotein, *Arterioscler Thromb Vasc Biol*, 21, 594-602.
- Robinson, T., 1995, *Kandungan Organik Tumbuhan Tinggi, diterjemahkan oleh Kosasih Padmawinata*, Penerbit ITB, Bandung.
- Sen, S., Chakraborty, R., Sridhar, C., Reddy, Y. S. R., De, B., 2010, Free Radicals, Antioxidants, Diseases And Phytomedicines: Current Status And Future Prospect, *International Journal of Pharmaceutical Sciences Review and Research*, 3(1), 91-100.
- Shimizu, K., Kondo, R., Sakai, K., Buabarn, S., Dilokkunanant, U., 2000, 5-Reductase inhibitory component from leaves of *Artocarpus altilis*, *J Wood Sci*, 46, 385-389.
- Siddesha, J. M., Angaswamy, N., & Vishwanath, B. S., 2011, Phytochemical Screening and Evaluation of in vitro Angiotensin-Converting Enzyme Inhibitory Activity of *Artocarpus altilis* leaf, *Natural Product Research : Formerly Natural Product Letters*, 25(20):1931-1940.
- Sikarwar, M. S., Hui, B. J., Subramaniam, K., Valeisamy, B. D., Yean, L. K., Balaji, K., 2014, A Review on *Artocarpus altilis* (Parkinson) Fosberg (breadfruit), *Journal of Applied Pharmaceutical Science*, 4(08), 091-097.
- Singh, R. P., Sharad, S., Kapur, S., 2004, Free Radicals and Oxidative Stress in Neurodegenerative Diseases: Relevance of Dietary Antioxidants, *JACM*, 5(3), 218-25.
- Suryanto, E., & Wehantouw, F., 2009, Aktivitas Penangkapan Radikal Bebas dari Ekstrak Fenolik Daun Sukun (*Artocarpus altilis* (Park.) Fosberg F.), *Journal Chemistry Progress*, 2, 1-7.
- Sushmita, & Nayem, N., 2013, *Artocarpus altilis*: Over View of a Plant which is referred to as Bread Fruit, *International Journal of Pharmaceutical Sciences Letters*, 3(5), 273-276.

- SY, Khairunnisa, 2015, Uji Aktivitas Penangkapan Radikal Bebas Ekstrak Etil Asetat, Etanolik, dan Air Daun Sukun (*Artocarpus altilis* (Park.) Fosberg) Serta Penetapan Kadar Fenolik dan Flavonoid Totalnya, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Syah, Y. M., Achmad, S. A., Bakhtiar, E., Hakim, E. H., Juliawaty, L. D., Latip, J., 2006, Dua Flavonoid Tergeranilasi dari Daun Sukun (*Artocarpus altilis*), *Jurnal Matematika Dan Sains*, 11(3), 101-104.
- Valko, M., Leibfritz, D., Moncol, J., Cronin, M. T. D., Mazur, M., Telser, J., 2007, Free Radicals And Antioxidants In Normal Physiological Functions And Human Disease, *The International Journal of Biochemistry & Cell Biology*, 39, 44-84.
- Yanez, J. A., & Davies, N. M., 2013, *Flavonoid Pharmacokinetics, Methods of Analysis, Preclinical and Pharmacokinetics, Safety, and Toxicology*, A John Willey & Sons, INC, Publication, United States of America.
- Yanishlieva, N. V., 2001, *Inhibiting Oxidation*, Antioxidant in Food, Woodhead Publishing, Cambridge.
- Yoshida, H., & Kisugi, R., 2010, Mechanisms of LDL Oxidation, *Clinica Chimica Acta*, 411, 1875–1882.