

DAFTAR PUSTAKA

- Adnan, M. (1997). Teknik Kromatografi Untuk Analisis Bahan Makanan. 1st, Andy Offset, Yogyakarta.
- Anonim. (2013^a). <http://www.chemguide.co.uk/inorganik/redox/definition.html>
- Anonim. (2013^b). <http://www.chemicool.com/definition>. [15 Januari 2013].
- Anonim. (2014). en.wikipedia.org/wiki/Folin-Ciocalteu_reagent
- Ahsan, N., Paul, N., Islam, N dan Akhan, A.A. (2012). Leaf Extract of *Syzygium cumini* Shows Anti-Vibrio Activity Involving DNA Damage. *Journal Pharmaceutical Science* 11(1): 25-25.
- Ayyanar, M. dan Subash-Babu, P. (2012). *Syzygium cumini* (L.): A review of its phytochemical constituents and traditional uses. *Asian Pacific Journal of Tropical Biomedicine* 2(3): 240-246.
- Azman, N.A.M., Gallego, M.G., Segovia, F., Abdullah, S., Shaarani, S.M. dan Pablos, M.P.A. (2016). Study of the properties of Bearberry leaf extract as a natural antioxidant in model food. *Antioxidants* 5(11):1-11.
- Backer, C.A. dan Bakhuizen van Den Brink Jr., R.C. (1963). *Flora of Java* (Spermatophytes Only) Vol.1. N.V. Wolters-Noordhoff, Groningen, N.L.
- Baliga, M.S., Baht, H.P., Baliga, B.R.V., Wilson, R. dan Palatty, P.L. (2011). Phytochemistry, tradisional uses and pharmacology of *Eugenia jambolana* Lam. (black plum). Review: *Food Research International* 44:1776-1789.
- Barh, D. dan Visvanathan, G. (2008). *Syzygium cumini* Inhibits Growth and Induces Apoptosis in Cervical Cancer Cell Lines: A Primary study. *Journal Ecancermedicalscience* 2:83.
- Baydar, N.G., Ozkan, G. dan Yasar, S. (2007). Evaluation of the antiradical and antioxidant potential of grape extract. *Food Control* 18: 1131-1136.
- Benherial dan Arumughan. (2007). Chemical composition and in vitro antioxidant studies on *Syzygium cumini* fruit. *Journal of the Science of Food and Agriculture* 87:2560-2569.
- Bligh, E.G. dan Dyer, W.J. (1959). A rapid method of total lipid extraction and purification. *Canada Journal of Biochemistry and Physiology*, 37: 911-917.

- Borneo, R., Leon, A.E., Aquirre, A., Ribotta, P. dan Cantero, J.J. (2009). Antioxidant capacity of medicinal plants from the province of Cordoba (Argentina) and their in vitro testing in a model food system. *Food Chemistry* 112:664-670.
- Botterweck, A.A.M., Verhagen, H., Goldbohm, R.A., Kleinjans, J. dan van Den Brant, P.A. (2000). Intake of butylated hydroxyanisole and butylated hydroxytoluene and Stomach Cancer Risk: Results from Analyses in the Netherland Cohort Study. *Food and Chemical Toxicology*, 38:599-605.
- Brewer, M.S. (2011). Natural Antioxidant: Source, Compounds, Mechanisms of Action, and Potential Application. Comprehensive Reviews. *Food Science and Food Safety* 10: 221-247.
- Bulkpowders. (2015). Grape seed extract contains a minimum 95% OPC. Retrieved on May 12, 2015 from bulkpowders Website: <http://www.bulkpowders.co.uk/grape-seed-extract.html>. [12 Mei 2015].
- Buxiang, S., dan Fukuhara, M. (1997). Effect of co-administration of butylated hydroxytoluene, butylated hydroxyanisole and flavonoids on the activation of mutagens and drugs-metabolizing enzymes in mice. *Journal Toxicology* 122 (2-4): 61-72.
- Chaudhary, B. dan Mukhopadhyay, K. (2012). *Syzygium cumini* (L.): A Potential Source of Nutraceuticals. *International Journal of Pharm. And Biological Sciences* 2(1): 46-53. www.ijpbs.com.
- Cortes. (2016). Infrared Spectroscopy: Theory and interpretation of Infrared Spectra. <http://utdallas.edu/~scortes/ochem>. [15 Mei 2016].
- Dai, J. dan Mumper, R.J. (2010). Plant Phenolic: Extraction, Analysis and Their antioxidant and Anticancer Properties (Review). *Molecules* 15:7313-7352. ISSN 1420-3049. www.mdpi.com/journal/molecules.
- David, E., Therasa, S.V., Hemachandran, J., Elumalai, E.K. dan Thirumalai, T. (2010). *Eugenia jambolana* Seed Extract Inhibit uptake of Glucose across Rat Everted Gut Sacs in Vitro. *International Journal of Pharmacy. Research & Development On Line (IJPRD)*. Pub. Ref. No: IJPRD/2010/PUB/ARTI/VOV-2/ISSUE-9/NOV/016.<http://www.ijprd.com>.
- De Bona, K.S., Belle, L.P., Bittencourt, P.E.R., Bonfanti, G., Cargnelluti, L.O., Pimentel, V.C., Ruviano, A.R., Schetinger, M.R.Ch., Emanuelli, T., dan Moretto, M.B. (2012). Erythrocytic enzymes and antioxidant status in people with type 2 diabetes: Beneficial effect of *Syzygium cumini* leaf extract in vitro. *Diabetes Research and Clinical Practice* 94: 84-90.

- Devasagayam, T.P.A., Boloor, K.K. dan Ramasarma, T. (2003). Methods for estimating lipid peroxidation: An analysis of merits and demerits. *Indian Journal of Biochemistry and Biophysics*, 40: 300-308.
- de Oliveira, G.F., Furtado, N.A.J.C., da Silva-Filho A.A., Martin, C.H.G., Bastos, J.K., dan Cunha, W.R. (2007). Antimicrobial activity of *Syzygium cumini* (Myrtaceae) leaves extract. *Brazilian Journal of Microbiology* 38: 381-384.
- Durackova, Z. (2008). *Oxidants, Antioxidants and Oxidative Stress*. Dalam: Anna Gvozdzakova (Ed.) *Mitochondrial Medicine: Mitochondrial Metabolism, Diseases, Diagnosis and Therapy*. Springer-Verlag New York, LLC.
- Ebrahimzadeh, M A., Pourmorad, F. dan Hafezi, S. (2008). Antioxidant activities of Iranian Corn Silk. *Turk Journal Biology* 32: 43-49.
- Erickson, M.C. (2008). *Lipid Oxidation of Muscle Foods*. Dalam: Akoh, C.C dan Min, D.B. (Eds.). *Foods Lipid: Chemistry, Nutrition and Biotechnology*. CRC Press, NY.
- Faria, A.F., Marques, M.C. dan Mercadante, A.Z. (2011). Identification of bioactive compounds from jambolao (*Syzygium cumini*) and antioxidant capacity evaluation in different pH conditions. *Journal Food Chemistry* 126:1571-1579.
- Frankel, E.N. (1996). Antioxidants in lipid foods and their impact on food quality. *Food Chemistry*, 57(1):51-55.
- Geesin, C.J., Gordon, J.S. dan Berg, R.A. (1990). Retinoid Affect Collagen synthesis through inhibition of ascorbic-induced lipid peroxidation in cultured human dermal fibroblast. *Arch Biochem Biophys*, 278:350-352.
- Gowri, S.S. dan Vasantha, K. (2010). Phytochemical Screening and Antibacterial activity of *Syzygium cumini* Linn. (Myrtaceae) leaf extract. *International Journal of Pharm Tech Research*, 2:1569-157.
- Harborne, J.B. (2006). *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan*. Cetakan ke-4. Institut Teknologi Bandung, Bandung.
- Hardinger, S. (2016). Get In the Zone: *The basics of reading Infrared Spectrometry*. http://www.chem.ucla.edu/~harding/ec_tutorials/tutorial33.pdf. [22 Juni 2016].
- Helmenstine, A. M. (2013). <http://www.chemistry.about.com/od/chemistryglossary/>[23/7/2014].

- Heim, K.E., Tagliaferro, A.R., dan Bobilya, D.J. (2002). Flavonoid antioxidants: chemistry, metabolism and structure-activity relationships. Review. *Journal of Nutritional Biochemistry*, 13: 572–584.
- Ho, B. T. dan Paul, D. R. (2009). Fatty acid profile of Tra Catfish (*Pangasius hypophthalmus*) compared to Atlantic Salmon (*Salmo solar*) and Asian Seabass (*Lates calcarifer*). *International Food Research Journal*, 16: 501-506.
- Hocman, G. (1988). Chemopreventive of cancer: phenolic antioxidants (BHT, BHA). *International Journal of Biochemistry and Cell Biology*, 20: 639-651.
- Hwang, K.E., Choi, Y.S., Choi, S.M., Kim, H.W., Choi, J.H., Lee, M.A., dan Kim, C.J. (2013). Antioxidant action of ganghwayakssuk (*Artemisia princeps* Pamp.) in combination with ascorbic acid to increase the shelf life in raw and deep fried chicken nuggets. *Journal of Meat Science* 95:593–602.
- Islam, S., Nasrin, S., Khan, M.A., Hossain, A.S.M.S., Islam, F., Khandokhar, P., M.Nurul Haque M., Rashid, M., Sadik, G., Rahman, M.A.A dan Alam, AHM.K. (2013). Evaluation of antioxidant and anticancer properties of the seed extract of *Syzygium fruticosum* Roxb. Growing in Rajshahi, Bangladesh. *Journal Islam et.al. BioMed Central. Complementary & Alternative Medicine* 13:142.
- Ito, N., Fukushima, S., Hagiwara, A., Shibata, M. dan Ogiso, T. (1983). Carcinogenicity of butylated hydroxyanisole in F344 rats. *Journal of the National Cancer Institute*, 70: 343-352.
- Jayaprakasha, G.K., Singh, R.P. dan Sakariah, K.K. (2001). Antioxidant activity of grape seed (*Vitis vinifera*) extracts on peroxidation models in vitro. *Food Chemistry*, 73: 285-290.
- Jagetia, G. dan Baliga, M. (2002). *Syzygium cumini* (Jamun) Reduces the Radiation-Induces DNA Damage in the Cultured Human Peripheral Blood Lymphocytes; a Preliminary Study. *Journal Toxicology Letters*, 32 (1):19-25.
- Jagetia, G., Baliga, M., dan Venkatesh, P. (2003). Influences of seed Extract of *Syzygium cumini* (Jamun) on Mice Exposed to Different Doses of Gamma-Irradiation. *Journal of Radiation Research*, 46(1):59-65.
- Khanbabaee, K. dan van Ree, T. (2001). Tannin: Classification and Definition. *The Royal Society of Chemistry. Nat. Prod. Rep. (NPR)*, 18: 641-649.

- Kris-Etherton, P.M., Hecker, K.D., Bonanome, A., Coval, S.M., Binkoski, A.E., Griel, A.E. dan Etherton, T.D. (2002). Bioactive compound in Food: Their role in prevention of cardiovascular disease and cancer. *The American Journal Medicine*, 113: 715-885.
- Koley, T.K., Barman, K. dan Asrey, R. (2011). Nutraceutical Propertis of Jamun (*Syzygium cumini* L.) and its Processed Products. *Journal Indian Food Industry*, 30(3):43-46.
- Kumar, A., Lakshman, K., Jayaveera, K.N., Tripathi, S.N.M. dan Satish, K.V. (2010). Estimation of Gallic Acid, Rutin and Quercetin in *Terminalia chebula* by HPTLC. *Jordan Journal of Pharmaceutical Sciences*, 3(1): 63-67.
- Laguerre, M., Lecomte, J. dan Villeneuve, P. (2007). Evaluation of the ability of antioxidant to counteract lipid oxidation: Existing methods, new trends and challenges (Review). *Progress in Lipid Research*, 46: 244-282.
- Latimer, G.W, Jr. (2005). AOAC Official Methods of Analysis. 18th ed. Maryland: AOAC International.
- Lestario, L. N. (2006). Potensi Buah Duwet (*Syzygium cumini* Linn.) Sebagai Sumber Antioksidan Alami. Disertasi Fak.Teknologi Pertanian, UGM, Yogyakarta.
- Li, C., Du, H., Wang, L., Shu, Q., Zheng, Y., Xu, Y., Zhang, J., Yang, R., dan Ge, Y., (2009). Flavonoid composition and antioxidant activity of tree peony (*Paeonia section moutan*) yellow flowers. *Journal Agricultural and Food Chemistry*, 57: 8496-8503.
- Li, X., Wu, X., dan Huang, L. (2009). Correlation between Antioxidant Activities and Phenolic Content of *Radix Angelicae sinensis* (Danggui). *Molecules*, 14:5349-5361. ISSN 1420-3049.
- Lock, K., Stuckler, D., Charlesworth, K., dan McKee, M. (2009). Potential Uses and Health Effect of Indian Raspberry. *British Homeopathic Journal* 339: 452-459
- Madavi, D.L. dan Salunkhe, D.K., (1995). *Toxicological aspect of food antioxidant*. Dalam: Madavi, D.L., S.S. Despanthe dan D.K. Salunkhe (Eds). *Food Antioxidant*. Mercel Decker Inc., NY.
- Maqsood, S. (2010^a). Maximized uses of Phenolic compound in retardation of Lipid Oxidation and Shelf-life Extension of Fish and Fish Product. A thesis submitted in Fulfillment of the Requirements of Degree of Doctor of Philosophy in Food Science and Technology Prince of Songkla University.

- Maqsood, S. and Benjakul, S. (2010^b). Comparatives studies of four different phenolic compound on in vitro antioxidative activity and the preventive effect on lipid oxidation of fish oil emulsion and fish mince. *Food Chemistry* 119:123-132.
- Martinaud, A., Mercier, Y., Marinova, P., Tassy, C., Gatellier, P., dan Renerre, M. (1997). Comparison of oxidative processes on myofibrillar proteins from beef during maturation and by different model oxidation systems. *Journal of Agricultural and Food Chemistry*, 45: 2481–2487.
- Martin, S., Solange I. Mussatto, G., Martinez-Avila, J., Montanes-Saenz, C.N. Aguilar dan Jose A. Teixeira, (2011). Bioactive phenolic compounds: Production and extraction by solid-state fermentation. A review. *Journal Biotechnology Advances*, 29:365-373.
- Masui, T., Hirose, M., Imaida, K., Fukusima, S., Tamano, S. dan Ito, N. (1986). Sequential changes of the forestomach of F344 rats, Syrian golden hamsters and B6C3F1 mice treated with butylated hydroxyanisole. *Japan Journal Cancers Research*, 77(11): 1083-1090.
- McClements, D.J. dan Decker, E.A. (2000). Lipid oxidation in oil-in-water emulsions: Impact of molecular environment on chemical reactions in heterogeneous food systems. *Journal of Food Science*, 65(8):1270-1282
- Meena, R.K. dan Meena, A. (2013). Isolation and Identification of Flavonoid Quercetin from *Ocimum tenuiflorum* Linn. *World Journal of Pharmaceutical Research* 2(5): 1544-1550.
- Meena, M.C. dan Patni, V. (2008). Isolation and Identification of Flavonoid “Quercetine” from *Citrullus colocynthis* (Linn.) Schrad. *Asian of Journal Experimental Sciences*, 22(1): 137-142.
- Mercier, Y., Gattelier, P. dan Renerre, M. (2004). Lipid and protein oxidation in vitro, and Antioxidant potential in meat from Charolaise cows finished on pasture or mixed diet. *Meat Science*, 66: 467–473.
- Meshram, G.A., Yadaf, S.S., Shinde, D., Patil, B. dan Singh, D. (2011). Antibacterial Study and Effect of Ethanolic Extract of *Syzygium cumini* Seed Powder on Glucoamylase invitro. *Journal of Pharmaceutical Science and Research*, 3(2):1060-1063.
- Mielnik, M.B., Olsen, E., Vogt, G., Adeline, D. dan Skrede, G. (2005). Grape seed extract as antioxidant in cooked, cold storage turkey meat. *Elsevier, LWT* 39:191-198.

- Morton, J.F. (1987). Jambolan. In: Fruits of warm climates p.375–378. Miami, FL: <http://www.hort.purdue.edu/newcrop/morton/jambolan.html>.
- Mura, K., Shiramatsu, H. dan Tanimura, W. (2000). A Substance Inhibiting the Growth of Lactic Acid Bacteria in Duhat (*Syzygium cumini* Skeel) Bark. *Journal Biocontrol Science* 5(1): 33-38.
- Murthy, K.N.Ch., Singh, R.P dan Jayaprakasha, G.K. (2002). Antioxidant Activities of Grape (*Vitis vinifera*) Pomace Extract. *Journal of Agricultural and Food Chemistry*, 50: 5909-5914.
- Nandani, D., Verma, R.N. dan Batra, A. (2013). Isolation and identification of quercetin and emodin from *Cassia tora* L. *An International Journal Annals of Phytomedicine*, 2(2): 96-104, ISSN 2278-9839.
- Nawar, W.F. (1996). Lipids. Dalam: Fennema, O (Ed.). *Food chemistry*. 3rd ed., p. 225-320. Marcel Dekker, Inc., NY.
- Noferi, M., Masson, E., Merlin, A., Pizzi, A., dan Deglise, X. (1997). Antioxidant characteristics of Hydrolysable and polyflavonoid tannin: An ESR kinetics study. *Journal Application Polymer Science*, 63: 475-482.
- Nollet, L.M.L. dan Toldra, F. (2011). *Handbook of Analysis of Edible Animal By-Products*, p.471. Gent, Belgium: CRC Press.
- Noomrio, M.H. dan Dahoot, M.U. (1996). Nutritive value of *Eugenia jambosa* fruits. *Journal of Islamic Academy of Sciences*, 9:9-12.
- Oszmianski, J. Wojdylo, A., Lamer-Zarawska, E. dan Swiader, K. (2007). Antioxidant tannins from Rosaceae plant roots. *Food Chemistry*, 100: 579-583.
- Palici, I., Tita, B., Ursica, L. dan Tita, D. (2005). Method for Quantitative Determination of Polyphenolic Compounds and Tannins from Vegetal Products. *Acta Universitatis Cibiniensis Seria F. Chemia*, 8:21-32.
- Pandey, M., Verma, R.K. dan Saraf, S.A. (2010). Nutraceutical: New era of Medicine and Health. *Asian Journal of Pharmaceutical and Clinical Research* 1(1) ISSN 0974-2441.
- Park, E.H., Chang, H.H. dan Cha, Y.N. (1990). Induction of hepatic tumors with butylated hydroxyanisole in the self-fertilizing hermaphroditic fish *Rivulus ocellatus marmoratus*. *Japan Journal Cancers Research*, 81(8): 738-741.

- Peixoto, M.P.G dan Freitas, L.A.P. (2012). Spray-dried extracts from *Syzygium cumini* seed: physicochemical and biological evaluation. *Brazilian Journal of Pharmacognosy* 23(1): 145-152.
- Phani, Ch.R.S., Vinaykumar, Ch., Rao, K.U. dan Sindhuja, G. (2010). Quantitative Analysis of Quercetin in Natural Sources by RP-HPLC. *International Journal of Research in Pharmaceutical and Biomedical Science*, 1(1): 19-22.
- Pinelo, M., Laurie, V.F., Waterhouse, A.L. (2006). A Simple Method to separate red wine nonpolymeric and polymeric phenols by solid-phase extraction. *Journal of Agricultural and Food Chemistry* 54:2839-2844.
- Pokorny, J. (2003). *Natural Antioxidan*. Dalam: Peter Zeuthen dan Leif Bøgh-Sørensen (Eds.) *Food Preservation Techniques*, Woodhead Pub. Ltd., England.
- Prince, P.S., Kamalakkannan, M.N., Menon, V.P. (1998). Hypoglycaemic activity of *Syzygium cumini* seeds: effect on lipid peroxidation in alloxan diabetic rats. *Journal of Ethnopharmacology*, 61(1):1-7.
- Prince, P.S., Kamalakkannan, M.N., Menon, V.P. (2003). *Syzygium cumini* seed extracts reduce tissue damage in diabetic rat brain. *Journal of Ethnopharmacology*, 84 (2-3):205-209.
- Prince, P.S., Kamalakkannan, M.N., Menon, V.P. (2004). Antidiabetic and antihyperlipidaemic effect of alcoholic *Syzygium cumini* seeds in alloxan induced diabetic albino rats. *Journal of Ethnopharmacology*, 91(2-3):209-213.
- Prior, R.L., Wu, X. dan Schaich, K. (2005). Standardized methods for the determination of antioxidant capacity and phenolics in foods and dietary supplements (Review). *Journal of Agricultural and Food Chemistry*, 53(10): 4290–4302.
- Purnomo, 2014. Wawancara pribadi “Tanaman Duwet di Indonesia”. Lokasi Laboratorium Taksonomi Tumbuhan Fakultas Biologi UGM. 21 Januari 2014.
- Quisumbing, E. (1951). Medical Plant of the Philippines. Tech. Bui. Department of Agricultural and Natural Resources, Manila. Dalam: Swami, S.B., Thakor, N.S.J., Patil, M.M. dan Haldankar, P.M. (2012). Jamun (*Syzygium cumini* L.): A Review of Its Food and Medicinal Uses. *Food and Nutrition Science* 3:1100-1117.
- Raharjo, S. 2006. Kerusakan Oksidatif Pada Makanan. Gadjah Mada University Press, Yogyakarta.

- Rahmatullah, M., Hossan, M.S., Hanif, A., Roy, P., Jahan, R., Khan, M., Chowdhury, M.H. dan Rahman, T. (2009). Ethnomedicinal Application of Plant by Traditional Healer of the Marma Tribe of Naikhongchhari, Bandarban District, Bangladesh. *Advances in Natural and Applied Sciences* 3 (3):392-401.
- Ranjan, A., Jaiswal, A. dan Raja, B. (2011). Enhancement of *Syzygium cumini* (India Jamun) Active Constituents by Ultra-Violet (UV) Irradiation Methods. *Scientific Research and Essays*, 6(12):2457-2464.
- Ravi, K., Sivagnanam, K. dan Subramanian, S. (2004). Anti-diabetic activity of *Eugenia jambolana* seed kernels on streptozotocin-induced diabetic rats. *Journal Medicinal Food*, 7(2):187-91.
- Roedig-Penman, A. and Gordon, M.H. (1997). Antioxidant properties of catechins and green tea extract in model food emulsions. *Journal of Agricultural and Food Chemistry*, 45(11): 4267-4270.
- Rohadi, Raharjo, S., Falah, I.I. and Santoso, U. (2016). Antioxidant activity of duwet (*Syzygium cumini* Linn.) seed extract *Genthong* varieties on lipid peroxidation models in vitro. *Jurnal Agritech*, 36(1): 30-37.
- Rydlewski, A.A., de Moraes, D.R., Rotta, E.M., dan Visentainer, J.V. (2013^a). Evaluation of Antioxidant Activity of Methanolic Extract of Seed, Peel, and Pulp of Jambolan (*Syzygium cumini*). Agricultural Science Center of State University of Marings, Colombo.
- Rydlewski, A. A. de Moraes, D.R., Rotta, E.M., Clause, T. and Visentainer, J.V. (2013^b). Determination of bioactive compounds, antioxidant activity and physical and chemical composition of different parts of four Brazilian fruits. Colombo, Brazil: State University of Maringa, Postgraduate Program.
- Saha, R.K., Zaman, N.M., dan Roy, P. (2013). Comparative evaluation of the medicinal activities of methanolic extract of seed, fruit pulp and fresh juice of *Syzygium cumini* in vitro. *Journal of coastal Medicine*, 1(4): 288-296.
- Sampath, M. (2013). Isolation and identification of gallic acid From *Polyalthia longifolia* (Sonn.) Thawaites. *International Journal of Pharm and Bio Sciences*, 4(2): 966 – 972. ISSN 0975-6299.
- Santagati, N.A., Salerno, L., Attaguile, G., Savoca Fr., and Ronsisvalle, G. (2008). Simultaneous Determination of Catechins, Rutin, and Gallic Acid in Cistus Species Extracts by HPLC with Diode Array Detection. *Journal of Chromatographic Science*, 46:150-156.

- Santoso, U. (2016). *Antioksidan Pangan*. Gadjah Mada University Press, Yogyakarta.
- Selcuk, A.R., Demiray, E. dan Yilmaz, Y. (2011). Antioxidant Activity of Grape Seed Obtained from Molasses (Pekmez) and Winery Production. *J. Akademika Gida*, 9(5): 39-43.
- Shahidi, F., dan Zhong, Y. (2005^a). Lipid Oxidation: Measurement Methods. Bailey's Industrial Oil and Fats Products. 6th ed. 6:257-285. John Wiley and Sons Inc, Canada.
- Shahidi, F. dan Zhong, Y. (2005^b). Antioxidants: Regulatory Status. Bailey's Industrial Oil and Fats Products. 6th ed. 6:257-285. John Wiley and Sons Inc, Canada.
- Shahidi, F., dan Wanasundara, P.K. (1992). Phenolic antioxidants. Critical Review. *Food Science Nutrition*, 32(1): 67-103.
- Sharma, A., Bhot, M. Varghese, J. dan Chandra, N. (2013). Separation and Quantification of Tannic acid in *Bryophyllum pinnatum* (Lam.) Kurz. by High Performance Thin Layer Chromatography. *Asian Journal of Chemistry*, 25 (16): 9097-9100.
- Sibuea, P., Raharjo, S., Santoso, U dan Noor, Z. (2005). Mekanisme dan Kinetika Kuensing Kuersetin Terhadap Fotosensitasi Pewarna Makanan Sistetik Eritrosin Dalam Oksidasi Minyak Sawit. *Jurnal Teknologi dan Industri Pangan*, XVI (2):103-112.
- Skowrya, M., Falguera, V., Gallego, G., Peiro, S. and Almajano, M.P. (2014). Antioxidant properties of aqueous and ethanolic extracts of Tara (*Caesalpinia spinosa*) pods in vitro and in model food emulsions. *Journal of the Science of Food and Agriculture* 94: 911–918.
- Sultana, B., Anwar, F. dan Roman, P. (2007). Antioxidant activity of phenolic components present in bark of *Azadirachta indica*, *Terminalia arjuna*, *Acacia nilotica* dan *Eugenia jambolana* Lam. Trees. *Food Chemistry* 104: 1106-1114.
- Swami, S.B., Thakor, N.S.J., Patil, M.M. dan Haldankar, P.M. (2012). Jamun (*Syzygium cumini* L.): A Review of Its Food and Medicinal Uses. *Food and Nutrition Science* 3:1100-1117.
- Tavares, I.M.C., Lago-Vanzela, E.S., Rebello, L.P.G., Ramos, A.M., Gomez-Alonzo, S., Garcia-Romero, E., Da-Silva, R., and Hermosin-Gutierrez, I. (2016). Comprehensive study of the phenolic composition of the edible part of

jambolan fruits (*Syzygium cumini* (L.) Skeel). *Food Research International*, 82:1-13.

US Department of Health and Human Services, (2016). *The Fourteenth Report on Carcinogens (RoC)*: <http://ntp.niehs.nih.gov/go/roc>. [29/12/2016].

Vasi, S., dan Austin, A. (2009). Antioxidants Potential of *Eugenia jambolana* Lam. Seeds. *Journal of Biological Sciences* 9(8): 894-898.

Vayupharap, B. dan Laksanalamal, V. (2012). Recovery of Antioxidant from Grape Seeds and its Application in Fried Food. *Journal Food Process Technology* 3(4):1-6.

Velasco J., Holgado, F., Dobarganes, C. dan Gloria Marquez R. (2009). Antioxidant Activity of Added Phenolic Compounds in Freeze-Dried Microencapsulated Sunflower Oil. *Journal of American Oil Chemists Society*, 86:445–452.

Wang, S.Y., Kuo, Y.H., Chang, H.N., Kang, P.L., Tsay, H.S., dan Lin, K.F., Yang, N.S., dan Shyur, L.F. (2002). Profiling and characterization antioxidant activities in *Anoectochilus formosanus* Hayata. *Journal of Agriculture Food Chemistry*, 50 (7):1859-1865.

Williams, G.M. dan Iatropoulos, M.J. (1996). Inhibition of the hepatocarcinogenicity of aflatoxin B1 in rats by low levels of the phenolic antioxidants butylated hydroxyanisole and butylated hydroxytoluene. *Cancer Letters*, 104:49-53.

William, G.M. (1986). Epigenetic promoting effects of butylated hydroxyanisole. *Food and Chemical Toxicology*, 24: 1163-1166.

Zhang, L.L., dan Lin, Y.M. (2009). Antioxidant tannins from *Syzygium cumini* fruit. *African Journal of Biotechnology*, 8(10):2301-2309.

Zu, Y., Li, Ch., Fu, Y., dan Zhao, Chunjian. (2006). Simultaneous determination of catechin, rutin, quercetin, kaempferol and isorhamnetin in the extract of sea buckthorn (*Hippopae rhamnoides* L.) leaves by RP-HPLC with DAD. *Journal of Pharmaceutical and Biomedical Analysis*, 41: 714-719.