

DAFTAR PUSTAKA

- Adams, J.B. 1973. Thermal Degradation of Anthocyanins With Particular Reference to the 3-Glycosides Of Cyanidin. I. In Acidified Aqueous Solution at 100. *J Sci Food Agric.* 24: 747-762.
- Ahmed, J., U.S. Shivhare, dan G.S.V. Raghavan. 2004. Thermal Degradation Kinetics of Anthocyanin and Visual Colour of Plum Puree. *Eur Food Res Tech.* 218: 525-528.
- AOAC. 1970. Official Methods of Analysis 11th Edition. *Association of official analytical chemist Inc.* Washington, D.C.
- Asen, S. dan L. Jurd. 1967. The Constitution of a Crystalline Blue Cornflower Pigment. *Phytochemistry.* 6: 577-584.
- Asen, S., R.N. Stewart, dan K.H. Norris. 1972. Copigmentation of Anthocyanins in Plant Tissues and its Effect on Color. *Phytochemistry.* 11: 1139-1144.
- Aulia, M. 2002. Stabilitas Zat Warna Alami Kayu Secang Terhadap Suhu dan pH. (Skripsi) Fakultas Teknologi Pertanian. Institut Pertanian Bogor. Bogor. 45 hlm.
- Bakowska, A., A.Z. Kucharska, dan J. Oszmianski. 2003. The Effects of Heating, UV Irradiation, and Storage on Stability of the Anthocyanin-Polyphenol Copigment Complex. *J. Food Chemistry.* 81 (3), 349-355.
- Baublis, A., A. Spomer, dan M.D. Jimenez. 1994. Anthocyanin Pigments : Comparison of Extract Stability. *J. Food Science.* 59: 1219 – 1221.
- Boulton, R. 2001. The Copigmentation of Anthocyanins and Its Role in the Color of Red Wine: A Critical Review. *J. Enol. Vitic. Amerika.* 52:2 67-81 hlm.
- Brouillard, R. 1982. *Chemical Structure of Anthocyanin.* Academic Press. New York. 293 pp.
- Castaneda, A., Hernandez, J.A. Rodríguez, dan C.A. Galan. 2009. Chemical Studies of Anthocyanins: A review. *J. Food Chemistry.* 113. 859–871.

- Cemeroglu, B., S. Vilioglu, dan S. Isik. 1994. Degradation Kinetics of Anthocyanins in Sour Chery Juice Adan Concentrate. *J. Food Science*. 59: 1216-1218.
- Darias-Martín J., B. Martin-Luis, M. Carrillo-Lopez, R. Lamuela-Raventos, C. Diaz-Romero, dan R. Boulton. 2002. Effect of caffeic acid on the color of red wine. Di dalam Rein. Copigmentation Reaction and Color Stability of Berry Anthocyanin (Dissertation). University of Helsinki, Department of Applied Chemistry and Microbiology. 10 pp.
- Francis, F. J. 1982. Analysis of Anthocyanin. Di dalam Markakis, P. Anthocyanin as Food Colors. Academic Press. New York. 293 hlm.
- Francis, F. J. 1985. Pigments and Other Colorants. Di dalam Fennema. Food Chemistry. New York. 991 hlm.
- Francis, F.J. dan Bassa. 1987. Stability of Anthocyanins from Sweet Potatoes in a Model Beverage. *J. Food Science*. 1753–1754.
- Francis, F.J. 1992. A New Group of Food Colorants. *Trends in Food Sci. & Technol.* 3(2): 27-30.
- Furtado, P., P. Figueiredo, H. Chaves, dan F. Pina. 1993. Photochemical and Thermal Degradation of Anthocyanidins. *J Photochem Photobiol.* 75: 113-118.
- Gao, L. dan G. Mazza. 1996. Extraction of Anthocyanin Pigments from Purple Sunflower Hulls. *J. Food Science*. 61: 600-603.
- Giusti, M.M. dan R.E. Wrolstad. 2001. Characterization and Measurement of Anthocyanins by UV-Visible Spectroscopy. *Current Protocols in Food Analytical Chemistry*. New York: John Wiley and Sons, Inc.
- Gross, J. 1987. Pigments in Fruits. Academic Press. London. 1-55 hlm.
- Hanum, T. 2000. Ekstraksi dan Stabilitas Zat Pewarna Alam dari katul Beras Ketan Hitam (*Oryza sativa glutinosa*). *Bulentin Teknologi dan Industri Pangan*. 11: 17-23.
- Harborne, J. B. 1967. Di dalam Markakis, P. Anthocyanins as Food Colors. Academic Press. New York.
- Hayati, E.K., U.S. Budi, dan R. Hermawan. 2012. Konsentrasi Total Senyawa Antosianin Ekstrak Kelopak Bunga Rosella (*Hibiscus Sabdariffa* L.) : Pengaruh Temperatur Dan pH. (Skripsi) Jurusan Kimia UIN Maulana Malik Ibrahim. Malang. 145 hlm.

- Heinonen, A.S. Meyer, dan E.N. Frankel. 1998. Antioxidant Activity of Berry Phenolics on Human Low-Density Lipoprotein and Liposome Oxidation. *J Agric Food Chemistry*. 46: 4107-4112.
- IARC. 1977. Some Fumigants, the Herbicides 2,4-D and 2,4,5-T, Chlorinated Dibenzodioxins and Miscellaneous Industrial Chemicals, Lyon. IARC *Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man*, Vol. 15. 155–173 pp.
- Jackman, R.L. dan J.L. Smith. 1996. Anthocyanins and Betalainins. *Natural Food Colorants*. Blackie Academic & Professional. London.
- Jackman, R.L., R.Y. Yada, M.A. Tung, dan R.A. Speers. 1987. Anthocyanins As Food Colorants – A Review. *J. Food Biochemistry*. 11: 201–247.
- Kopjar, M. dan V. Pilizota. 2009. Copigmentation Effect of Phenolic Compounds on Red Currant Juice Anthocyanins During Storage. *Croat. J. Food Technol.* 1(2): 16-20.
- Kumalaningsih, S. dan Suprayogi. 2006. Terung Belanda (*Tamarillo*). Trubus Agrisarana. Surabaya.
- Lee, T.A., B.H. Sci, dan Counsel. 2005. The Food from Hell: Food Colouring. *The Internet Journal of Toxicology*. Vol 2: (2) China: Queens Network Research. 466-468 hlm.
- Limantara, L. dan P. Rahayu. 2008. Sains dan Teknologi Pigmen Alami. *Ma Chung Research Center for Photosyntetic Pigments*. Universitas Ma Chung. Malang. ISBN:979-1098-16-4.
- Lin, M., Z. Shi, dan F.J. Francis. 1992. A Simple Method of Analysis for *Tradescantia pallida* Anthocyanins. *Research Note. J. Food Science*. 57: 766 – 767.
- MacDougall, D.B. 2002. *Colour in Food*. Woodhead Publishing Limited. England. 378 hlm.
- Mahkamah, S. 2004. Perbandingan Stabilitas Panas Ekstrak Antosianin Katul Beras Ketan Hitam (*Oryza sativa glutinosa*) dan Tanaman Hati Ungu (*Tradescantia pallida*). (Skripsi). Fakultas Pertanian. Universitas Lampung. 32 hlm.
- Markakis, P. 1982. Anthocyanins as Food Additives. Di dalam Markakis, P. *Anthocyanin as Food Colors*. Academic Press. New York. 293 pp.
- Markham, K.R. 1988. *Cara Mengidentifikasi Flavonoid, diterjemahkan oleh Kosasih Padmawinata*. Penerbit ITB. Bandung. 1, 16, 18, 23-26, 38-39, 42-47 hlm.

- Mazza, G. dan R. Brouillard. 1990. The Mechanism of Copigmentation of Anthocyanins in Aqueous Solutions. *Phytochem.* 29: 1097–1102.
- Meschter, E.E. 1953. Effects of Carbohydrates and Other Factors On Color Loss In Strawberry Products. *J Agric Food Chemistry.* 1: 574-579.
- Metivier, R.P., F.J. Francis, dan F.M. Clydesdale. 1980. Solvent Extraction of Anthocyanins from Wine Pomace. *J. Food Science.* 45: 1099 – 1100.
- Mok, C. dan N.S. Hettiarahchy. 1991. Heat Stability of Sunflower-Hull Anthocyanin Pigment. *J. Food Science.* 56: 553-555.
- Ozela, E.F., P.C. Stringheta, dan M.C. Chauca. 2007. Stability Of Anthocyanin In Spinach Vine (*Basella Rubra*) Fruits. *Ciencia E Investigación Agrária*, V. 34, N. 2, P. Pp 115-120.
- Palamidis, N. dan T. Markakis. 1975. Structure of Anthocyanin. *J. Food Science.* 40 : 104.
- Palungkun, R., Y. H. Indriani, dan Y.E. Widyastuti. 1999. Menghijaukan Ruang. *Penebar Swadaya.* Jakarta. 125 hlm.
- Pudjaatmaka, A.H. 2002. Kamus Kimia. Balai Pustaka. Jakarta. 375 hlm.
- Rahmawati. 2011. Pembuatan dan Karakterisasi Sel Surya Titanium Dioksida Sensitisasi Dye Antosianin dari Ekstrak Buah Strawberry. (Skripsi). Jurusan Fisika IPB. Bogor.
- Rein, M.J. dan M. Heinonen. 2004. Stability and Enhancement of Berry Juice Color. *J. Agric. Food Chemistry.* 52 (25), 3106-3114.
- Rein, M. 2005. Copigmentation Reaction and Color Stability of Berry Anthocyanin. (Dissertation). EKT series 1331. University of Helsinki, Department of Applied Chemistry and Microbiology. Pp 34-88 .
- Rey, J.P., J.L. Pousset, J. Levesque, dan P. Wanty. 1993. Isolation and Composition of a Natural Dye from the Stems of *Sorghum bicolor* (L.) *Moench subsp. americanum caudatum*, *Cereal Chem.* 70: 759 - 760.
- Rita, R. 2010. Kopigmen. http://ritariata.blogspot.com/2010/03/diskusi_kopigmen.html. Tanggal akses : 4 Maret 2014.
- Saati, E.A. 2006. Optimalisasi Fungsi Ekstrak Bunga Kana (*Canna coccinea Mill*) sebagai Zat Pewarna dan Antioksidan Alami melalui Metode Isolasi dan Karakterisasi Pigmen. (Skripsi). Universitas Muhammadiyah. Malang. 50 hlm.

- Samun. 2008. Koefisien Transfer Massa Volumetriks Ekstraksi Zat Warna Alami dari Rimpang Kunit (kurkuminoid) di dalam Tanki Berpengaduk, *Jurnal Ekuilibrium*. 7: 17-21.
- Sari, P. dan Sukatiningsih. 2012. Pembuatan Sediaan Pewarna Alami Pangan Berbasis Antosianin dari Buah Duwet (*Syzigium cumini*). (Skripsi). Universitas Jember. 41 hlm.
- Scheffeldt, P. dan G. Hrazdina. 1978. Copigmentation of Anthocyanins Under Physiological Conditions. *J Food Science*. 43:517-520.
- Schwartz. 2008. Fennema's Food Chemistry. CRC Press. Boca Raton London New York. 1144 pp.
- Shi, Z., M. Lin, dan F.J. Francis. 1992a. Stability of Anthocyanins from *Tradescantia pallida*. *J. Food Science*. 57: 758 -760.
- Shi, Z., M. Lin, dan F.J. Francis. 199b. Anthocyanins of *Tradescantia pallida* Potential Food Colorants. *J. Food Science*. 57: 761 – 765.
- Shi, Z., F.J. Francis, dan H. Daun. 1992c. Quantitative Comparison of the Stability of Anthocyanins from *Brassica oleracea* and *Tradescantia pallida* in Non-Sugar Drink Model and Protein Model System. *J. Food Science*. 57: 768-770.
- Steel, R.G.D. dan J.H. Torrie. 1991. *Prinsip dan Prosedur Statistika*. PT. Gramedia. Jakarta.
- Sudarmadji, S., B. Haryono, dan Suhardi. 1997. Prosedur Analisa untuk Bahan Makanan dan Pertanian. Penerbit Liberty. Yogyakarta. 54-56 hlm.
- Sunarno, N. 1995. Perbandingan Kestabilan Antosianin Ubi Jalar dengan Antosianin Kulit Manggis dalam Model Minuman Ringan. Skripsi Fateta. IPB. Bogor. 51 hlm.
- Timberlake, C.F. dan P. Bridle. 1996. Di dalam Markakis, P. 1982. Anthocyanin as Food Colors. Academic Press. New York. 293 pp.
- Utomo, E.P. 1992. Isolasi dan Identifikasi Pigmen Antosianin dari Kulit Buah Anggur serta Mempelajari Pengaruh pH terhadap Stabilitas Warna dan Strukturnya. Tesis. Universitas Gajah Mada. Yogyakarta.
- Viguera C.G. dan P. Bridle. 1999. Influence of Structure on Color Stability of Anthocyanins and Flavylum Salts with Ascorbic Acid. *J Food Chemistry*. 64: 21-26.
- Von Elbe, J. H. dan S.J. Schwartz. 1996. Colorants. Di dalam Fennema. Marcel Dekker Inc. *Food Chemistry*. New York. Pp 651-723.

- Wijaya, A.S. 2004. Perbandingan Rendemen dan Stabilitas Antosianin Katul Beras Ketan Hitam (*Oryza sativa glutinosa*) dan Tanaman Hati Ungu (*Tradescantia pallida*) yang Diekstraksi dengan Larutan Sulfit. Skripsi. Fakultas Pertanian. Universitas Lampung. Bandar Lampung. 28 hlm.
- Williams, M. dan G. Hrazdina. 1979. Anthocyanins as Food Colorants Effect of pH on the Formation of Anthocyanin Rutin Complexes. *J Food Science*. 44: 66-68.
- Wilska-Jeszka, J. dan A. Kozuchowska. 1996. Anthocyanins and Chlorogenic Acid Copigmentation. Influence on the Color of Strawberry and Chokeberry Juices. *Zeitschrift für Lebensmitteluntersuchung und – Forschung A*. 203 (1), 38-42.
- Winarno, F. G. 1997. Kimia Pangan dan Gizi. Gramedia Pustaka Utama. Jakarta. 253 hlm.