

DAFTAR PUSTAKA

- Anonim, 1986, *Sediaan Galenik*, 4-12, Depkes RI, Jakarta.
- Anonim, 2013, *Pedoman Tentang Teknologi Formulasi Sediaan Berbasis Ekstrak*, Vol.2, 3-12, BPOM RI, Jakarta.
- Anonim, 2016, Alga Coklat, <http://www.iptek.net.id>, diakses tanggal 10 Mei 2016
- Chang, T.S., 2009, An Updated Review of Tyrosinase Inhibitors, *International Journal of Molecular Sciences*, **10**, 2440-2475.
- Dayan, N., 2008, *Skin Aging Handbook*, William Andrew Inc., New York.
- Departemen Kesehatan Republik Indonesia, 2000, *Parameter Standar Umum Ekstrak Tanaman Obat*, Edisi I, Depkes RI, Jakarta.
- Departemen Kesehatan Republik Indonesia, 2008, *Farmakope Herbal Indonesia*, Edisi IV, Depkes RI, Jakarta.
- Dirman, A., 2016, Uji Aktivitas Antioksidan dan Anti Penuaan Dini Rumput Laut Coklat (*Padina australis* Hanck), *tesis*, Universitas Gadjah Mada, Yogyakarta.
- D'Orazio, N., Gemello, E., Gammone, M.A., Girolamo, M., Ficoneri, C. & Riccioni, G., 2012, Fucoxanthin: A Treasure from The Sea, *Marine Drugs*, **10**, 604-616.
- Eka A. & Aprival H., 2010, Pengaruh Konsentrasi Etanol, Suhu dan Jumlah Stage pada Ekstraksi Oleoresin Jahe (*Zingiber officinale* Rosc.) secara Batch, *skripsi*, Universitas Diponegoro, Semarang.
- Fitrie, A.A., 2004, *Histologi dari Melanosit*, e-USU Repository.
- Graillet, C.R., Edith, A., Monique, C., Ortonne J.P. & Ballotti Robert, 1997, Nitric Oxide Produced by Ultraviolet-Irradiated Keratinocytes Stimulates Melanogenesis, *J. Clin. Invest.*, **99**, 635-642.
- Guiry, M.D., & Guiry, G.M., 2017, *AlgaeBase*, World-wide electronic publication, National University of Ireland, Galway, <http://www.algaebase.org>, diakses pada tanggal 10 Februari 2017.
- Halaban, R., Patton, R.S., Cheng, E., Svedine, S., Trombetta, E.S., Wahl, M.L., Ariyan, S. & Hebert, D.N., 2002, Abnormal Acidification of Melanoma Cells Induces Tyrosinase Retention in The Early Secretory Pathwat, *J. Biol. Chem.*, **277**, 14821-14828.

- Harbone, J.B., 1987, *Metode Fitokimia, Penentuan Cara Modern Menganalisis Tumbuhan*, diterjemahkan oleh Kokasih Padmawinata dan Iwang Soedirto, Terbitan kedua, 5-9, Penerbit ITB, Bandung.
- Harnita, A.N.I., 2013, Fraksi Phlorotannin Berat Molekul Rendah Alga Coklat Marga *Sargassum* Sebagai Agen Fotoprotektif (Penelusuran Mekanisme Sebagai Antioksidan Topikal), *Disertasi*, Universitas Gadjah Mada, Yogyakarta.
- Haugan, J. & Liaaen-Jensen, 1989, Improved Isolation Procedure For Fucoxanthin, *Phytochemistry*, **28** (10), 2797-2798.
- Hashemi, S.M. & Emami, S., 2015, Kojic Acid-derived Tyrosinase Inhibitors: Synthesis and Bioactivity, *Pharmaceutical and Biomedical Research*, **1** (1), 1-17.
- Hearing, V.J. & Tsukamoto, K., 1991, Enzymatic Control of Pigmentation in Mammals, *FASEB J.*, **28**, 189-217
- Helms, R.A., Herfindal E.T., Quan D.J. & Gourley D.R., 2006, *Textbook of Therapeutics: Drugs and Disease Management, 8th Ed.*, 215-216, Lippincott William Wilkins, Philadelphia.
- Heo, S.J. & Jeon, Y.J., 2009, Protective Effect of Fucoxanthin Isolated from *Sargassum siliquastrum* on UV-B Induced Cell Damage, *J. Photochem. Photobiol.*, **95**, 101-107.
- Hu, T., Liu, D., Chen, Y., Wu, J. & Wang, S., 2010, Antioxidant Activity of Sulfated Polysaccharide Fractions Extracted from *Undaria pinnatifida* *In Vitro*, *Int. J. Biol. Macromol.*, **46**, 193-198.
- Isnindar, Wahyuono, S. & Setyowati, E.P., 2011, Isolasi dan Identifikasi Senyawa Antioksidan Daun Kesemek (*Diospyros kaki* Thunb.) dengan Metode DPPH (2,2-difenil-1-pikrihidrazil), *Majalah Obat Tradisional*, **16** (3), 157-164.
- Jeffrey, S.W., Mantoura, R.F.C. & Wright, S.W., 1997, *Phytoplankton Pigments in Oceanography: Guidelines to Modern Methods*, UNESCO Publishing, Paris.
- Karim, A.A., Azlan, A.A., Ismail, A., Hashim, P., Gani, S.S.A. & Zainudin, B.H., 2014, Phenolic Composition, Antioxidant, Anti-wrinkles and Tyrosinase Inhibitory Activities of Cocoa pod Extract, *BMC Complementary and Alternative Medicine*, **14**, 381-393.
- Kokilam, G., Vasuki, S. & Sajitha, N., 2013, Biochemical Composition, Alginate Yield and Antioxidant Activity of Brown Seaweeds from Mandapan Region, Gulf of Mannar, *Journal of Applied Pharmaceutical Science*, **3** (11), 99-104.
- Kützing, F.T., 1843, *Phycologia generalis oder Anatomie, Physiologie und Systemkunde der Tange*, F.A. Brockhaus, Leipzig.

- Limantara, L. & Heriyanto, H., 2012, Optimasi Proses Ekstraksi Fukosantin Rumput Laut Coklat *Padina australis* Hauck Menggunakan Pelarut Polar, *Ilmu Kelautan: Indonesian Journal of Marine Sciences*, **65**, 86-94.
- Lithitwitayawuid, K., 2008, Stilbenes with Tyrosinase Inhibitory Activity, *Curr. Sci.*, **94**, 44-52
- Lintner, K. & France, S., 2010, *Substantions of Skin Whitening Claims*, <http://www.incosmeticasia.com>, diakses pada 28 Mei 2016.
- Lukitaningsih, E., 2009, The Exploration of Whitening and Sun Screening Compounds in Bengkoang Roots (*Pachyrhizus erosus*), *Disertasi*, Würzburg University, Jerman.
- Masuda, T., Yamashita, D., Takeda, Y., & Yonemori, S., 2005, Screening for Tyrosinase Inhibitors Among Extracts Seashore Plants and Identification of Potent Inhibitors from *Garnicia subelliptica*, *Biosci., Biotechnol.*, **69**, 197-201.
- Matsuno, T., 2001, Aquatic Animal Carotenoids, *Fish. Sci.*, **67**, 771-783.
- Mercadante, A.Z. & Egeland, E.S., 2004, Carotenoids with a C40 Skeleton, dalam Britton, G., Liaaen-Jensen, S., Pfander, H., Eds., *Carotenoid—Handbook*, 563 Birkhäuser Verlag, Basel, Switzerland.
- Nursid, M., Thamrin, W., & Rini, S., 2013, Aktivitas Antioksidan, Sitotoksitas dan Kandungan Fukosantin Ekstrak Rumput Laut Coklat dari Pantai Binuangeun, Banten, *JPB Kelautan dan Perikanan*, **8** (1), 73-84.
- Papalia, D.E., Sterns, H. L., Feldman, R. D. & Camp, C. J., 2007, *Adult Development and Aging*, Edisi 3, Mc Graw-Hill, New York.
- Peng, J., Yuan, J.P., Wu, C.F. & Wang, J.H., 2011, Fucoxanthin, A Marine Carotenoid Present in Brown Seaweeds and Diatoms: Metabolism and Bioactivities Relevant to Human Health, *Marine Drugs*, **9**, 1806-1828.
- Perluige, M., DeMarco, F., Foppoli, C., Coccia, R., Blarzino, C., Marcante, M.L. & Cini, C., 2003, Tyrosinase Protectes Human Melanocytes from ROS Generating Compounds, *Biochemical and Biophysical Research Communication*, **305**, 250-256
- Sangeetha, R.K., Bhaskar, N., Divakar, S. & Baskaran, V., 2010, Bioavailability and Metabolism of Fucoxanthin in Rats: Structural Characterization of Metabolites by LC-MS (APCI), *Mol. Cell. Biochem.*, **333**, 299–310.
- Santoso, J., Aryudhani, N. & Suseno, S.H., 2009, Kandungan Senyawa Fenol Rumput Laut Hijau *Caulerpa racemosa* dan Aktivitas Antioksidannya, *Jurnal Kelautan Nasional*, **2**, 109-118.

- Shimoda, H., Tanaka, J., Shan, S.J. & Maoka, T., 2010, Anti-pigmentary Activity of Fucoxanthin and Its Influence on Skin mRNA Expression of Melanogenic Molecules, *J. Pharm. Pharmacol.*, **62**, 1137–1145.
- Stahl, E., 1985, *Analisis Obat Secara Kromatografi dan Mikroskopik*, diterjemahkan oleh K. Radmawinata dan I. Soediso, 3-18, penerbit ITB, Bandung.
- Svensson, C., Cowen, E. & Gaspari, A., 2000, Cutaneous Drug Reactions, *Pharmacol. Rev.*, **53**, 357-79.
- Tsuda R.T., 2013, Eastern Range Extension of *Hormophysa cuneiformis* (Phaeophyta: Fucales) in Micronesia, *Marine Biodiversity Records*, **6**, 1-3.
- Urikura, I., Sugawara, T. & Hirata, T., 2011, Protective Effect of Fucoxanthin Against UVB-induced Skin Photoaging in Hairless Mice, *Biosci. Biotechnol. Biochem.*, **75**, 757–760.
- Westerhof W. & Kooyers T.J., 2005, Hydroquinon and its Analogues in Dermatology-a Potential Health Risk, *Journal of Cosmetic Dermatology*, **4**, 55-59
- Widyastuti, A., 2017, Aktivitas Antioksidan Ekstrak Etanol dan Fraksi Rumput Laut Coklat (*Hormophysa cuneiformis*) yang Mengandung Senyawa Fukosantin dengan Metode FRAP, *Skripsi*, Program Sarjana Universitas Gadjah Mada, Yogyakarta.
- Willstätter, R., Page. H.J., 1914, Chlorophyll. XXIV. The Pigments of The Brown Algae. *Justus Liebigs Ann. Chem.*, **404**, 237-271.
- Wirasti, 2016, Uji Aktivitas Antioksidan dan Anti Penuaan Dini Rumput Laut Coklat (*Turbinaria decurrens* Boy), *tesis*, Universitas Gadjah Mada, Yogyakarta.
- Womersley, H.B.S, 2016, Electronic Flora of South Australia Species Fact Sheet, <http://www.flora.sa.gov.au>, diakses pada tanggal 10 Mei 2016.
- Yasuda, M., Ohzeki, Y., Shimizu, S., Naito, S., Ohtsuru, A., Yamamoto, T. & Kuroiwa, Y., 1999, Stimulation of *in vitro* angiogenesis by hydrogen peroxide and the relation with ETS-1 in endothelial cells, *Life Sci.*, **64**, 249–258.
- Yonekura, L., Kobayashi, M., Terasaki, M. & Nagao, A., 2010, Keto-carotenoids are The Major Metabolites of Dietary Lutein and Fucoxanthin in Mouse Tissues, *J. Nutr.*, **140**, 1824-1831.