DAFTAR PUSTAKA

Al-Saif, Sarah Saleh Abdu llah, Nevein Abdel-Raouf, Hend A. El-Wazanani, and Ibrahim A. Aref. 2014. "Antibacterial Substances from Marine Algae Isolated from Jeddah Coast of Red Sea, Saudi Arabia." *Saudi Journal of Biological Sciences* 21 (1). King Saud University: 57–64. https://doi.org/10.1016/j.sjbs.2013.06.001.

Andersen, Robert. A. 2013. "The Microalgal Cell." In *Handbook of Microalgal Culture. Applied Phycology and Biotechnology*, edited by Amos Richmond and Qiang Hu, 2nded., 3–20.

Barsanti, Laura, and Paolo Gualtieri. 2013. *Algae: Anatomy, Biochemistry, and Biotechnology*. Second. Taylor & Francis Group.

Batista, a. P., M. C. Nunes, a. Raymundo, L. Gouveia, I. Sousa, F. Cordobés, a. Guerrero, and J. M. Franco. 2011. "Microalgae Biomass Interaction in Biopolymer Gelled Systems." *Food Hydrocolloids* 25 (4). Elsevier Ltd: 817–25. https://doi.org/10.1016/j.foodhyd.2010.09.018.

Batubara, Irmanida, Latifah K. Darusman, Tohru Mitsunaga, M Rahminiwati, and E Djauhari. 2010. "Potency of Indonesian Plants as Tyrosinase Inhibitor and Antioksidan Agent." *Journal of Biological Sciences* 10 (2): 138–44.

Batubara, Irmanida, Iren Julita, Latifah K. Darusman, Ali Mahmoud Muddathir, and Tohru Mitsunaga. 2015. "Flower Bracts of Temulawak (Curcuma Xanthorrhiza) for Skin Care: Anti-Acne and Whitening Agents." *Procedia Chemistry* 14. Elsevier Ltd.: 216–24. https://doi.org/10.1016/j.proche.2015.03.031.

Becker, E W. 2007. "Micro Algae as a Source of Protein." *Biotechnol Adv* 25 (November): 207–10. https://doi.org/10.1016/j.biotechadv.2006.11.002.

Bellew, Susun, Diane Thiboutot, and James Q Del Rosso. 2011. "Pathogenesis of Acne Vulgaris: What's New, What's Interesting and What May Be Clinically Relevant." *Journal of Drugs in Dermatology : JDD* 10.

Berry, John P, Miroslav Gantar, Mario H Perez, Gerald Berry, and Fernando G Noriega. 2008. "Cyanobacterial Toxins as Allelochemicals with Potential Applications as Algaecides , Herbicides and Insecticides," 117–46. https://doi.org/10.3390/md20080007.

Bitencourt, Mariana Angelica Oliveira, Gracielle Rodrigues Dantas, Daysianne Pereira Lira, Jose Maria Barbosa-Filho, George Emmanuel Cavalcanti De Miranda, Barbara Viviana De Oliveira Santos, and Janeusa Trindade Souto. 2011. "Aqueous and Methanolic Extracts of Caulerpa Mexicana Suppress Cell Migration and Ear Edema Induced by Inflammatory Agents." *Marine Drugs* 9 (8): 1332–45. https://doi.org/10.3390/md9081332.

Bouhlal, Rhimou, Camille Haslin, Jean-Claude Chermann, Sylvia Colliec-Jouault, Corinne Sinquin, Gaelle Simon, Stephane Cerantola, Hassane Riadi, and Nathalie Bourgougnon. 2011. "Antiviral Activities of Sulfated Polysaccharides Isolated from" 1: 1187–1209. https://doi.org/10.3390/md9071187.

Brownstein, Arthur M., and Arthur M. Brownstein. 2015. "Chapter 6 – Algae as a Fuel Source." In *Renewable Motor Fuels*, 57–66. https://doi.org/10.1016/B978-0-12-800970-3.00006-6.

Chang, Te Sheng. 2009. "An Updated Review of Tyrosinase Inhibitors." *International Journal of Molecular Sciences* 10 (6): 2440–75. https://doi.org/10.3390/ijms10062440.

Chen, Shih Yuan, Li Ying Pan, Min Jhe Hong, and An Chin Lee. 2012. "The Effects of Temperature on the Growth of and Ammonia Uptake by Marine Microalgae." *Botanical Studies* 53 (1): 125–33.

Chia, Shir Reen, Hwai Chyuan Ong, Kit Wayne Chew, Pau Loke Show, Siew Moi Phang, Tau Chuan Ling, Dillirani Nagarajan, Duu Jong Lee, and Jo Shu Chang. 2017. "Sustainable Approaches for Algae Utilisation in Bioenergy Production." *Renewable Energy*, 2017. https://doi.org/10.1016/j.renene.2017.04.001.

Cuellar-Bermudez, Sara P., Miguel A. Romero-Ogawa, Raveender Vannela, YenJung Sean Lai, Bruce E. Rittmann, and Roberto Parra-Saldivar. 2015. "Effects of Light Intensity and Carbon Dioxide on Lipids and Fatty Acids Produced by Synechocystis Sp. PCC6803 during Continuous Flow." *Algal Research* 12. Elsevier B.V.: 10–16. https://doi.org/10.1016/j.algal.2015.07.018.

Ee, S K, H M Fox, C Kies, and R Dam. 1967. "The Supplementary Value of Algae Protein in Human Diets." *The Journal of Nutrition* 92 (2): 281–85. https://doi.org/10.1093/jn/92.2.281.

Erwanto, Taufik. 2008. "Inventarisasi Jenis Alga Epilitik Di Sumber Air Panas Bukit Kili Kecil Kabupaten Solok." Universitas Andalas.

Flaeita, Daisy, Mayyada El-Sayed, and Dalia Rifaat. 2015. "Evaluation of the Antioxidant Activity of Enzymatically-Hydrolyzed Sulfated Polysaccharides Extracted from Red Algae; Pterocladia Capillacea." *LWT-Food Science and Technology* 63 (2): 1236–44. http://www.sciencedirect.com/science/article/pii/S0023643815002923.

Friedl, T, and C.J. O'Kelly. 2002. "Phylogenetic Relationship of Green Algae Assigned to the Genus Planophila (Chlorophyta)): Evidence from 18S rDNA Sequence Data and Ultrastructure." *European \\journal of Phycology* 37: 373–84.

Gomont, M. 1893. “Monographie Des Oscillariées (Nostocacées Homocystées). Deuxième Partie. - Lyngbyées.” *Annales Des Sciences Naturelles, Botanique* Série 7 (16): 91–264.

Group, Work, Andrea L Zaenglein, and Arun L Pathy. 2016. “Guidelines of Care for the Management of Acne Vulgaris.” *Journal of American Dermatology*. Elsevier Inc. https://doi.org/10.1016/j.jaad.2015.12.037.

Guedes, Élica a.C., Teresinha G. da Silva, Jaciana S. Aguiar, Lurdiana D. de Barros, Laura M. Pinotti, and Antonio E.G. Sant’Ana. 2013. “Cytotoxic Activity of Marine Algae against Cancerous Cells.” *Revista Brasileira de Farmacognosia* 23 (4). Elsevier: 668–73. https://doi.org/10.1590/S0102-695X2013005000060.

Hossain, Md Nahian Bin, Joyanta Kumar Basu, and Mohammad Mamun. 2015. “The Production of Ethanol from Micro-Algae Spirulina.” In *Procedia Engineering*, 105:733–38. https://doi.org/10.1016/j.proeng.2015.05.064.

Juneja, Ankita, Ruben Michael Ceballos, and Ganti S. Murthy. 2013. “Effects of Environmental Factors and Nutrient Availability on the Biochemical Composition of Algae for Biofuels Production: A Review.” *Energies* 6 (9): 4607–38. https://doi.org/10.3390/en6094607.

Kamyab, Hesam, Chew Tin Lee, Mohd Fadhil Md Din, Mohanadoss Ponraj, Shaza Eva Mohamad, and Mohsen Sohrabi. 2014. “Effects of Nitrogen Source on Enhancing Growth Conditions of Green Algae to Produce Higher Lipid.” *Desalination and Water Treatment* 52 (19–21): 3579–84. https://doi.org/10.1080/19443994.2013.854030.

Kropat, Janette, Anne Hong-Hermesdorf, David Casero, Petr Ent, Madeli Castruita, Matteo Pellegrini, Sabeeha S. Merchant, and Davin Malasarn. 2011. “A Revised Mineral Nutrient Supplement Increases Biomass and Growth Rate in Chlamydomonas Reinhardtii.” *The Plant Journal* 66 (5): 770–80. https://doi.org/10.1111/j.1365-313X.2011.04537.x.

Lee, Ok Kyung, and Eun Yeol Lee. 2016. “Sustainable Production of Bioethanol from Renewable Brown Algae Biomass.” *Biomass and Bioenergy*. https://doi.org/10.1016/j.biombioe.2016.03.038.

Lemahieu, Charlotte, Charlotte Bruneel, Romina Termote-Verhalle, Koenraad Muylaert, Johan Buyse, and Imogen Foubert. 2013. “Impact of Feed Supplementation with Different Omega-3 Rich Microalgae Species on Enrichment of Eggs of Laying Hens.” *Food Chemistry* 141 (4). Elsevier Ltd: 4051–59. https://doi.org/10.1016/j.foodchem.2013.06.078.

Li, Zhipeng, Yi-Feng Wang, Xu Zhang, Chengchu Zeng, Liming Hu, and Xing-Jie Liang. 2017. “A Tyrosinase-Triggered Oxidative Reaction-Based ‘Turn-On’ Fluorescent Probe for Imaging in Living Melanoma Cells.” *Sensors and Actuators B: Chemical* 242: 189–94.

https://doi.org/10.1016/j.snb.2016.11.011.

Mayton, Alison. M. 2016. "Top Ten List of Clinical Pearls in the Treatment of Acne Vulgaris." *Dermatologic Clinics* 34 (2): 147–57.

NematiNiko, Fatemeh, Koorosh Goodarzvand Chegini, Hamideh Asghari, Abbas Amini, and Nematollah Gheibi. 2017. "Modifying Effects of Carboxyl Group on the Interaction of Recombinant S100A8/A9 Complex with Tyrosinase." *Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics* 1865 (3): 370–79. https://doi.org/10.1016/j.bbapap.2016.12.013.

Pangestuti, Ratih, and Se-Kwon Kim. 2011. "Biological Activities and Health Benefit Effects of Natural Pigments Derived from Marine Algae." *Journal of Functional Foods* 3 (4): 255–66. http://www.sciencedirect.com/science/article/pii/S1756464611000703.

Perry, A. L., and P. A. Lambert. 2006. "Propionibacterium Acnes." *Letters in Applied Microbiology* 42 (3): 185–88. https://doi.org/10.1111/j.1472-765X.2006.01866.x.

Prescott, G.W. 1970. *Algae of The Western Great Lakes Area*. Revised. Dubuque, Lowa: WM. C. Brown Company Publishers.

———. 1975. *Algae of the Western Great Area*. 6th Printi. Dubuque Iowa: W. K. G. Brown Company Publisher.

Raposo, Maria Filomena De Jesus, and Alcina Maria Miranda Bernardo de Morais. 2014. "Microalgae for the Prevention of Cardiovascular Disease and Stroke." *Life Sciences* 125. Elsevier Inc.: 32–41. https://doi.org/10.1016/j.lfs.2014.09.018.

Seckbach, J. 2007. *Algae and Cyanobacteria in Extreme Environments*. *Astrobiology*. https://doi.org/10.1007/978-1-4020-6112-7.

Singh, S.P, and Priyanka Singh. 2015. "Effect of Temperature and Light on the Growth of Algae Species: A Review." *Renewable and Sustainable Energy Reviews* 50: 431–44. http://www.sciencedirect.com/science/article/pii/S1364032115004839.

Spolaore, Pauline, Claire Joannis-Cassan, Elie Duran, and Arsène Isambert. 2006. "Commercial Applications of Microalgae." *Journal of Bioscience and Bioengineering* 101 (2): 87–96. https://doi.org/10.1263/jbb.101.87.

Vo, Thanh-Sang, Dai-Hung Ngo, and Se-Kwon Kim. 2012. "Marine Algae as a Potential Pharmaceutical Source for Anti-Allergic Therapeutics." *Process Biochemistry* 47 (3): 386–94. http://www.sciencedirect.com/science/article/pii/S1359511311004508.

Vuuren, Sanet Janse Van, Jonathan Taylor, Annelise Gerber, and Carin Van Ginkel. 2006. *Easy Identification of the Mot Common Freshwater Algae. A*

Guide for the Identification of Microscopic Algae in South African Freshwaters.

Wagner, Heiko, Zhixin Liu, Uwe Langner, Katja Stehfest, and Christian Wilhelm. 2010. "The Use of FTIR Spectroscopy to Assess Quantitative Changes in the Biochemical Composition of Microalgae." *Journal of Biophotonic* 3 (8–9): 557–66.

Wang, Hui-Min David, Ching-Chun Chen, Pauline Huynh, and Jo-Shu Chang. 2015. "Exploring the Potential of Using Algae in Cosmetics." *Bioresource Technology* 184: 355–62. http://www.sciencedirect.com/science/article/pii/S0960852414017350.

Wijesekara, Isuru, Ratih Pangestuti, and Se-kwon Kim. 2011. "Biological Activities and Potential Health Benefits of Sulfated Polysaccharides Derived from Marine Algae." *Carbohydrate Polymers* 84: 14–21. https://doi.org/10.1016/j.carbpol.2010.10.062.

Yan, G L, Y M Guo, J M Yuan, D Liu, and B K Zhang. 2007. "IMMUNOLOGY , HEALTH , AND DISEASE Sodium Alginate Oligosaccharides from Brown Algae Inhibit Salmonella Enteritidis Colonization in Broiler Chickens 1," 1441–48. https://doi.org/10.3382/ps.2011-01364.

Yang, Jing-iong, Chi-chen Yeh, Jin-ching Lee, Szu-cheng Yi, Hurng-wern Huang, Chao-neng Tseng, and Hsueh-wei Chang. 2012. "Aqueous Extracts of the Edible Gracilaria Tenuistipitata Are Protective Against H2O2-Induced DNA Damage, Growth Inhibition, and Cell Cycle Arrest," 7241–54. https://doi.org/10.3390/molecules17067241.

Yang, Zhong-hua, Li Luo, Xu Chang, Wei Zhou, Geng-hua Chen, Yan Zhao, and Ya-jun Wang. 2012. "Production of Chiral Alcohols from Prochiral Ketones by Microalgal Photo-Biocatalytic Asymmetric Reduction Reaction." *J. Ind Microbiol Biotechnol* 39: 835–41. https://doi.org/10.1007/s10295-012-1088-y.

Yangthong, Monsuang, Nnongporn Hutadilok-Towatana, and Wutiporn Phromkunthong. 2009. "Antioxidant Activities of Four Edible Seaweeds from the Southern Coast of Thailand." *Plant Foods Hum Nutri* 64: 218–23. https://doi.org/10.1007/s11130-009-0127-y.

Ying, Kezhen. 2014. "Effects of CO2 and pH on Growth of the Microalga Dunaliella Salina." *Journal of Microbial & Biochemical Technology* 6 (3): 167–73. https://doi.org/10.4172/1948-5948.1000138.

Zhang, Long, Xin Zhao, Guan-Jun Tao, Jie Chen, and Zong-Ping Zheng. 2017. "Investigating the Inhibitory Activity and Mechanism Differences between Norartocarpetin and Luteolin for Tyrosinase: A Combinatory Kinetic Study and Computational Simulation Analysis." *Food Chemistry* 223: 40–48. https://doi.org/10.1016/j.foodchem.2016.12.017.

Zhou, Wenguang, Bing Hu, Yecong Li, Min Min, Michael Mohr, Zhenyi Du, Paul Chen, and Roger Ruan. 2012. “Mass Cultivation of Microalgae on Animal Wastewater: A Sequential Two-Stage Cultivation Process for Energy Crop and Omega-3-Rich Animal Feed Production.” *Applied Biochemistry and Biotechnology* 168 (2): 348–63. https://doi.org/10.1007/s12010-012-9779-4.

Zuppini, Anna, Carlo Andreoli, and Barbara Baldan. 2007. “Heat Stress : An Inducer of Programmed Cell Death in Chlorella Saccharophila” 48 (7): 1000–1009. https://doi.org/10.1093/pcp/pcm070.