DAFTAR PUSTAKA

Afiukwa, C. A., Ogbonna, J. 2007. Effects of mixed substrates on growth and vitamin production by *Euglena gracilis*. *African Journal of Biotechnology.* 6 (22), pp. 2612-2615

Andersen, R. A. 2005. *Algal Culturing Techniques*. Elsevier Academic Press. New York, pp. 90-94, 102 – 103.

Ariyanti, D., Handayani N. A.. 2012. Mikroalga sebagai sumber biomassa terbarukan : teknik kultivasi dan pemanenan. *Metana,* 6(2).

Bux, Faizal. 2013. *Biotechnological Applications of Microalga : Biodiesel and Value-Added Products*. CRC Press. Boca Raton, pp. 23, 25.

Durmaz, Yaşar. 2007. Vitamin E (α-tocopherol) production by the marine microalgae Nannochloropsis oculata (Eustigmatophyceae) in nitrogen limitation. *Aquaculture*. 272: 717-722

Fujita, T., Aoyagi, H., Ogbonna, J. C., Tanaka, H. 2008. Effect of mixed organic substrate on α-tocopherol production by Euglena gracilis in photoheterotrophic culture. *Applicative Mictobiology Technology*. 79:371–378

Gissibl, A., Sun, A., Care A., Nevalainen, H., and Sunna, A. 2019. Bioproducts from *Euglena* gracilis : synthesis dan applications. *Frontiers in Bioengineering and Biotechnology*, 7: 108.

Grimm, P., Risse J. M., D. Cholewa, J., Muller, M., Beshay, U., Friehs, K., Flaschel, E. 2015. Applicability of *Euglena* gracilis for biorefineries demonstrated by the α-tocopherol and paramylon followed by anaerobic digestion. *Journal of Biotechnology*, 215: 72 – 79.

Hadiyanto dan M. Azim. 2012. *Mikroalga : sumber pangan dan energi masa depan*. UPT UNDIP Press. Semarang, hal. 11 – 12.

Isnansetyo, A., Kurniastuty. 1995. *Teknik Kultur Phytoplankton Zooplankton : pakan alami untuk pembenihan organisme laut.* Penerbit Kanisius. Yogyakarta.

Ivusic, F., Santek, B. 2015. Optimization of complex medium composition for heterotrophic cultivation of *Euglena* gracilis and paramylon production. *Bioprosess Biosyst Eng*, 38: 1103 – 1112.

Kabinawa, I. N. K. 2006. *Spirulina ganggang penggemar aneka penyakit*. Agro Media Pustaka. Tangerang, hal. 32 – 33.

Kataoka, H., T. Shimura, T. Mizoshita, E. Kubota, Y. Mori, T. Mizushima, et al. 2009. Lentinan with S-1 and paclitaxel for gastric cancer chemotherapy improve patient quality of life. *Hepatogastroenterology*, 56: 547 – 550.

Kim, S. K., Venkatesan, J., Manivasagan, P. 2015. *Handbook of Marine Microalgae Biotechnology Advances*. Academic Press. Oxford, p. 1.

Kishore, G., Kadam, A. D., Daverey, A., Arunachalam. 2017. Isolation and evaluation of cultivation conditions of *Euglena* sp. from Western Himalaya for biofuel production. *Biofuels*, 9(2): 221 – 228.

Kottuparambil, S., Thankamony, R. L., Agusti, S. 2019. *Euglena* as a potential natural source of value-added metabolites. *Algal Research*, 37: 154 – 159.

Koyande, A. K., K. W. Chew, K. Rambabu, Y. Tao, D. T. Chu, and P. L. Show. Microalgae : a potential alternative to health supplementation for humans. *Food Science and Human Wellness*, 8: 16 – 24.

Lebine, I., and J. Flaurence. 2018. *Microalgae in Health and Disease Prevention*. Academic Press. Cambridge, p. 24.

Lee, T. L. C., and G. Marino. Microalgae for "healthy" foods – possibilities and challenges. *Comprehensive Reviews in Food Science and Food Safety*, 9: 655 – 656.

Lee, Y. K. and H. Shen. 2004. Basic culturing techniques. Dalam : Richmond, A. (ed.*) Handbook of Microalgal Culture : Biotechnology and Applied Phycology*. Blackwell Publishing Ltd. Oxford.

Leedale, G. F. 1964. Pellicle structure in *Euglena*. *British Phycological Bulletin*, 2: 156 – 170.

Mata, T. M., A. A. Martins, and N. S. Caetano. 2010. Microalgae for biodiesel production and other applications : a review. *Renewable and Sustainable Energy Reviews*, 14:217 – 232.

Nakashima, A., K. Yamada, O. Iwata, R. Sugimoto, K. Atsuji, T. Ogawa, N. Ishibasi-Ohgo, and K. Suzuki. 2018. β-Glucan in foods and its physiological functions. *J Nutr Sci Vitaminol*, 64: 8 – 17.

Niccolai, A., G. C. Zittelli, L. Rodolfi, N. Biondi, and M. R. Tredici. Microalgae of interest as food source : biochemical composition and digestibility. *Algal Research*, 42.

Nur, M. M. A. 2014. Potensi mikroalga sebagai sumber pangan fungsional di Indonesia. *Eksergi*, 11(2): 1 – 2.

Punchard, N. A. 2011. *Haemocytometer instruction sheet for improving Neubauer Haemocytometer*. University of East London. London.

Richmond, A. 2004. *Handbook of Microalgal Culture*. Blackwell Science Ltd. Oxford, p. 49.

Richmond, Amos. 2004. *Handbook of Microalgal Culture : biotechnology and applied phycology.* Blackwell Science Ltd. Oxford, pp. 10 – 11.

Sahoo, D., and J. Seckbach. 2015. *The Algae World*. Springer Science+Business Media Dordrecht. London, pp. 3 – 4.

Sanderson, J. E., D. L. Wise, and D. C. Augenstein. 1978. Organic chemicals and liquid fuels from algal biomass. *Biotechnol Bioeng Symp*, 8:131 – 151.

Santek, B., M. Felski, K. Friehs, M. Lotz, and E. Flaschel. 2009. Production of paramylon, a β-1,3-glucan, by heterotrophic cultivation of *Euglena gracilis* on a synthetic medium. *Engineering in Life Sciences*, 9(1): 23 – 28.

Schulze, C., Wetzel, M., Reinhardt, J., Schmidt, M., Felten, L., Mundt, S., 2016. Screening of microalgae for primary metabolites including β-glucans and the influence of nitrate starvation and irradiance on β-glucan production. *Journal of Applied Phycology*, 28: 2719 – 2725.

Smith, P., and P. J. Gregory. 2012. Climate change and sustainable food production. *Proceedings of the Nutrition Society*, 72: 21 – 28.

Schwelitz, F.D., Cisneros P.L., Jagielo J.A. 1978. The effect of glucose on the biochemical and ultrastructural characteristics of developing Euglena chloroplasts. *Journal Protozooogyl*. 3(2):398-403

Wehr, J. D., and R. G. Sheath. 2003. *Freshwater Algae of North America : Ecology and Classification*. Academic Press. San Diego, p. 101.

Wells, M. L., P. Potin, J. S. Craigie, J. A. Raven, S. S. Merchant, K. E. Helliwell, A. G. Smith, M. E. Camire, S. H. Brawley. 2016. Algae as nutritional and

functional food sources : revisiting our understanding. *J Appl Phycol*, 29: 949 – 982.

Wolken, J. J. 1967. *Euglena : 2nd Edition*. Meredith Publishing Company. New York, pp. 4 – 7.

Yeh, K. L., Chang, J. S., Chen, W. M. 2010. Effect of light suppy and carbon source on cell growth and cellular composition of a newly isolated microalga *Chlorella vulgaris* ESP-31. *Engineering in Life Science*, 30 (3) : 201 – 208.

Yousuf, A. 2020. *Microalgae Cultivation for Biofuels Production*. Elsevier Academic Press. Oxford, pp. 36 – 37.

Zavala, J. S. R., Ortiz-Cruz, M. A., Mendoza-Hernandez, G., Moreno-Sanchez, R. 2010. Increased synthesis of α-tocopherol, paramylon, and tyrosine by *Euglena gracilis* under conditions of high biomass production. *Journal of Applied Microbiology*, 109(6): 2160 – 2162.