DAFTAR PUSTAKA

Alsull, M. and Omar, W.M.W. 2012. Responses of *Tetraselmis* sp. and *Nannochloropsis* sp. isolated from Penang National Park coastal waters, Malaysia, to the combined influences of salinity, light and nitrogen limitation. *International Conference on Chemical, Ecology and Environmental Sciences (ICEES 2012).*

Andrade, M.R and Costa, J.A.V. 2007. Mixotrophic cultivation of microalga Arthrospira maxima platensis using molasses as organic substrate. *Aquaculture* .264: 130–134.

Aullon, A. 2010. Biodiesel From Microalgae. Royal School of Technology. Sweden. Pp: 14-16.

Banerjee, A., Sharma, R., Chisti, Y. and Banerjee,U.C. 2002. Botryococcus braunii:a renewable source of hydrocarbons and other chemicals. *Critical Reviews in Biotechnol*ogy 22:245–79.

Barnwal, B.K., Sharma, M.P. 2005. Prospects of biodiesel production from vegetables oils in India. *Renewable and Sustainable Energy Reviews* .9:363–78.

Brennan, L and Owende, P. 2010. Biofuels from microalgae: A review of technologies for production, processing, and extractions of biofuels and co-products. *Renewable and Sustainable Energy Reviews* .14 : 557–577

Chen, J and Shetty, H.P.C.1991. *Culture Of Marine Feed Organisms*. National Inland Institute Kasetsart University Campus. Bangkok, Thailand. p: 38

Chisti, Y. 2007. Biodiesel from microalgae. *Biotechnology Advances.* 25: 296.

Chiu, S.Y., Kao, C.Y., Tsai, M.T., Ong, S.C., Chen, C.H. and Lin, C.S., 2009. Lipid accumulation and CO2 utilization of *Nannochloropsis oculata* in response to CO_2 aeration. *Bioresource Technology*. 100: 833–838.

Converti, A., Casazza, A.A., Ortiz, E.Y., Perego, P and Del Borghi, M., 2009. Effect of temperature and nitrogen concentration on the growth and lipid content of *Nannochloropsis oculata* and *Chlorella vulgaris*for biodiesel production. *Chemical Engineering Process*. 48: 1146–1151.

Dere, S., Gunes, T. and Sivaci, R. 1997. Spectrophotometric Determination of Chlorophyll - A, B and TotalCarotenoid Contents of Some Algae Species Using Different Solvents. *American Journal of Botanical* 22: 14.

El-Gendy, N.S., Madian,H.R., and Abu, S.S. 2013. Design and Optimization of a Process for Sugarcane Molasses Fermentation by Saccharomyces cerevisiae Using Response Surface Methodology. *International Journal of Microbiology*. 18: 2

El-Sheekh, M.M., Bedaiwy, M.Y., Osman, M.E. and Ismail, M.M. 2014. Influence of Molasses on Growth, Biochemical Composition and Ethanol Production of the Green Algae Chlorella Vulgaris and Scenedesmus Obliquus. *Journal of Agricultural Engineering and Biotechnology.* 2: 20-28

Gavrilescu, M. and Chisti, Y. 2005. Biotechnology—a sustainable alternative forchemical industry. *Biotechnology Advances.*23:471–99.

Goksungur, Y., Mantzouridou, F. And Roukas, T. 2002. Optimization of the production of β-carotene from molasses by blakeslea trispora: a statistical approach. *Journal of Chemical Technology and Biotechnology,* 77: 933–943.

Griffiths, M. J., Dicks, R.G., Richardson, C and Harrison, S.T.L. 2009. *Advantages and Challenges of Microalgae as a Source of Oil for Biodiesel*. Centre for Bioprocess Engineering Research (CeBER), University of Cape Town, South Africa. P: 177-181.

Huang, G., Chen, F., Wei, D., Zhang, X.W and Chen, G. 2010. Biodiesel production by microalgal biotechnology. *Applied Energy*. 87: 38-46.

Kapdan, I.K and Karg,i F. 2006. Bio-hydrogen production from waste materials. *Enzyme Microbial Technology*.38 :569–82.

Karemore, A., Pal, R and Sen, R. 2013. Strategic enhancement of algal biomass and lipid in *Chlorococcum infusionum* as bioenergy feedstock. *Algal Research*. 2: 113–121.

Kazamia, E., Aldridge, D.A and Smith, A.G. 2012. Synthetic ecology –A way forward for sustainable algal biofuel production?. *Journal of Biotechnology*. 162: 163-169

Kosakowska, A., Lewandowska, J., Ston, J and Burkiewicz, K., 2004. Qualitative and quantitative composition of pigments in *Phaeodactylum tricornutum (Bacillariophyceae)* stressed by iron. Biometals. 17: 45–52.

Lee, R.E. 2008. *Phycology*. 4th edition. Cambridge University Press. 150-163

Lin, G, Gu, N and Lin, J..2012. Effect of ferric ion on nitrogen consumption, biomass and oil accumulation of a *Scenedesmus rubescens*-like microalga. *Bioresource Technology*. 112: 242–247.

Liu, Z.Y.,Wang,G.C and. Zhou, B.C. 2008.Effect of Iron on Growth and Lipid Accumulation in *Chlorella vulgaris*.*Bioresource Technology*, 99(11): 4717-4722.

Moat, A. G., Foster, J.W. and Spector, M.P. 2002. *Microbial Physiology 4th ed.* John willey and sons inc publication. New York. USA

Muthukumar, A., Elayaraja, S., Ajithkumar, T. T., Kumaresan, S. and Balasubramanian, T. 2012. Biodiesel production from marine microalgae Chlorella marina and Nannochloropsis salina. *Journal of Petroleum Technology and Alternative Fuels*. 3(5): 58-62

Naito, K., Matsui, M and Imai, I., 2005. Ability of marine eukaryotic red tide microalgae to utilize insoluble iron. *Harmful Algae*. 4: 1021–1032.

O'Hara, I and Mundree, S. 2016. *Sugarcane-based Biofuels and Bioproducts.* John Wiley & Sons, New York. Pp: 117-119

Oijen, T.V., Van Leeuwe, M., Gieskes, W.W.C and De Baar, H.J.W., 2004. Effects of iron limitation on photosynthesis and carbohydrate metabolism in the Antarctic diatom *Chartoceros brevis (Bacillariophyceae). Europe Journal of Phycoogy*. 39: 161–171.

Olbrich, H. 1973. *Molasses. In: Principles of Sugar Technology*, Vol. III. Elsevier Publisher Benjamin-Cummings Publishing Company, Subs of Addison Wesley Longman, Inc.

Pramana, A.S.D. 2008.*Selayang Pandang Tentang Molase (Tetes Tebu)*. Chemical Engineering Knowledge.

Punchard, N. A. 2001. *Haemocytometer Instruction Sheet* (for improved Neubauer *Haemocytometer*). University of East London. London. UK.

Rao, A.R., Dayananda, C., Sarada, R., Shamala, T.R and Ravishankar, G.A., 2007. Effect of salinity on growth of green alga *Botryococcus braunii* and its constituents. *Bioresource Technology*. 98: 560–564.

Richmond, A. 2004. *Handbook of microalgal culture: biotechnology and applied phycology*. Blackwell Science. India.

Salisbury, B. F., and Ross, W.C.1992. *Plant Physiology 4th ed.* Wadsworth Publishing Co. ITB. Bandung.

Scarsella, M., 2010. Study on the optimal growing conditions of *Chlorella vulgaris* in bubble column photobioreactors. *Chemical Engineering Transactions.* 17: 85–90.

Scott, S.A.,Davey, M.P., Dennis, J.S., Horst, I., Howe, C.J., Lea- Smith, D. J and Smith, A.G. 2010. Biodiesel from Algae: Challenges and prospects. *Biotechnology*. 21 (3): 277-286.

Spolaore, P, Joannis-Cassan, C, Duran, E, and Isambert, A. 2006. Commercial applications of microalgae. *Journal of Biosciences and Bioengineering*. 101:87–96

Suyono, E.A., Haryadi, W., Zusron, M., Nuhamunada, M., Rahayu, S., and Nugriho, A.P. 2015. The Effect of Salinity on Growth, Dry Weight and Lipid Content of the Mixed Microalgae Culture Isolated from Glagah as Biodiesel Substrate. *Journal of Life Sciences*.9: 229-233.

Taiz, L., and Zeiger, E. 2002. *Plant Physiology 3th ed.* Sinauer Associates. Sunderland. England

Takagi, M., Karseno and Yoshida, T., 2006. Effect of salt concentration on intracellular accumulation of lipids and triacylglyceride in marine microalgae *Dunaliella* cells. *Journal of Bioscience and Bioengineering*. 101: 223-226.

Uduman, N., Qi, Y., Danquah., M.K, Forde, G.M and Hoadley, A. 2010. Dewatering of microalgal cultures: a major bottleneck to algae-based fuels. *Journal of Renewable Sustainable Energy*. 10:1063

Utama, IV., Nopitasari, S., Stevanus, Fahrunnida and Pahlevi, R.V. 2015. Isolasi Kultur Murni Mikroalga dari Konsorsium Superkonsorsium Mikroalga Glagah sebagai Stok *Culture Collection* di Indonesia. *Program Kreativitas Mahaiswa.* Universitas Gadjah Mada. Yogyakarta.

Vuuren, S.J.V., Taylor, J., Ginkel, C.V. and Gerber, A. 2006. *Easy identification of the most common freshwater algae.* School of Environmental Sciences and Development: Botany North-West University. Pretoria.

Xu,H., Miao, X.L. and Wu, Q.Y.2006. High quality biodiesel production from a microalgaChlorella protothecoides by heterotrophic growth in fermenters. *Journal of Biotechnology*.126:499–507