

DAFTAR PUSTAKA

- Amin, S. A., D. H. Green, M. C. Hart, F. C. Küpper, W. G. Sunda and C. J. Carrano. 2009. Photolysis of iron-siderophore chelates promotes bacterial-algal mutualism. *Proceedings of the National Academy of Sciences of the United States of America*. 106: 17071-17076.
- Anderson, R.A. 2005. *Algal Culturing Techniques*. China : Elsevier Academic press. Pp. 242-249
- Arkronrat, W., P. Deemark., V. Oniam. 2016. Growth Performance and Proximate Composition of Mixed Culture of Marine Microalgae. *Journal Science Technology*. 38(1) 1-5
- Armstrong, G. A. and J. E. Hearst. 1996. Carotenoids 2. Genetics and molecular biology of carotenoid pigment biosynthesis. *FASEB J.*, 10, 2, 228-237.
- Becker E.W. 1994. *Microalgae Biotechnology and Microbiology*. New York: Cambridge University Press.
- Bertoni, E.P., M. Sprenkle., J.P. Hanifin., M.H. Stetson and G.C. Brainard. 1992. Effect of short photoperiod on ATPase in the testis of the immature siberian hamster. *Biology Report* . 509-513
- Bligh, E. G. & W. J. Dyer 1959. A rapid method of total lipid extraction and purification. *Canadian Journal of Biochemistry and Physiology*. 37: 911-917.
- Borowitzka, M. A. and L. J. Borowitzka. 1988. *Microalgae Biotechnology*. Cambridge University Press. New York.
- Britton, G., S.L. Jensen., H. Pander. 1995. *Carotenoid (IA) : Isolation and Analysis*. Switzerland : Birkhauser Verlag. Pp. 645-648
- Campbell, N.A., J.B. Reece., A.U. Lisa., L.C. Michael., A.W. Steven., V.M. Peter., and B.J. Robert. 2008. *Biology 8th*. San Fransisco : Pearson Education, Inc. Pp : 185-195
- Chisti, Y. 2007. Biodiesel From Microalgae. *Biotechnology Advances*. 25 : 294-306
- Cifferi. O. 1983. *Spirulina*, The Edible Microorganism. *Microbiology Review*. 47(4): 551-578.
- Coder, K. D. 2008. *Pigment palletete*. Athens. University of Georgia.
- Cohen, Z.E. 1999. *Chemicals from Microalgae*. Taylor and Francis UK. London Pp. 57-65
- Croft, M. T., A. D. Lawrence., E. Raux-Deery., M. J. Warren and A. G. Smith 2005. Algae acquire vitamin B12 through a symbiotic relationship with bacteria. *Nature*. 438: 90-93.
- Dere, S., G.Tohit., and S. Ridvan. 1998. Spectrophotometric Determination of Chlorophyll-A, B, and Total Carotenoid Contents of Some Algae Species Using Different Solvent. *Journal of Botany*. 22: 13-17
- Derenne, S., P. Metzger, C. Largeau, P.F. Van Berge, J.P. Gatellier, J.S.S Damste, J.W. De Leeuw and C. Berkaloff. 1992. Similar morphological and chemical variations of in Ordovician sediments and cultured *Botryococcus braunii* as a response to changes in salinity. *Organic Geochemistry*. 19: 299-313.

- Eykelenburg, V.C. 1977. On the Morphology and Ultrastructure of the cell wall of *Spirulina platensis*. *Journal of Microbiology Serology*. 43 : 89-99.
- Fabregas, J.,C. Herrero, J. Abalde and B. Cabezas. 1985. Growth Chlorophyll and Protein of the Marine Microalga *Isochrysis galbana* in Bath Culture with Different Salinities and High Nutrient Concentrations. *Aquaculture* 50: 43 – 56
- Friday, E. T. 2010. Mixed Cultivation of *Euglena gracilis* and *Chlorella sorokiniana*: A Production Method of Algae Biomass on a Large Scale. *Journal of Applied Biosciences* 35: 2225-34.
- Gardner, N.L. 1917. New Pacific coast marine algae I. *University of California Publications in Botany* 6: 377-416, pls 31-35
- Goswami dan Kalita. 2011. *Scenedesmus dimorphus* and *Scenedesmus quadricauda* Two Potent Indigenous Microalgae Konsorsiums for Biomass Production and CO₂ Mitigation- A study on Their Growth Behavior and Lipid Productivity Under Different Concentration of Urea as Nitrogen Source. *Journal of Algal Biomass* . 2 (4) : 42-49
- Grunewald, C. F., E. Garces., E. Alacid., N. Sampedro., S. Rossi and J. Camp. 2012. Improvement of Lipid Production in The Marine Konsorsiums *Alexandrium minutum* and *Heterosigma akashiwo* by Utilizing Abiotic Parameters. *Journal of Microbiology Biotechnology*. 39 :207-216
- Gurr, M. I., J. L. Harwood and K. N. Frayn. 2002. *Lipid Biochemistry: An Introduction*, Oxford, UK, Blackwell.
- Hultberg, M., H. L. Jonsson., K. L. Bergstrand., A. S. Carlsson. 2014. Impact of Light Quality on Biomass Production and Fatty Acid Content in The Microalga *Chlorella vulgaris*. *Bioresource Technology*. 159: 465-467
- Isnansetyo, A. dan Kurniastuty. 1995. *Teknik Kultur Phytoplankton Zooplankton. Pakan Alam untuk Pembenihan Organisme Laut*. Kanisius. Yogyakarta.
- Jiménez, C., B.R. Cossío., D. Labella., and N.F. Xavier. 2003. The feasibility of industrial production of *Spirulina (Arthrospira)* in southern Spain. *Aquaculture*. 217: 179-190
- Kawaroe. 2010. *Mikroalga Potensi dan Pemanfaatannya untuk Produksi Bio Bahan Bakar*. IPB Press. Bogor.
- Kazamia, E., D. C. Aldridge and A. G. Smith 2012. Synthetic ecology - A way forward for sustainable algal biofuel production. *Journal of Biotechnology*. 162: 163-169.
- Kennish, M. J. 1990. *Ecology of estuaries. Vol II. Biology Aspects*. CRC Press, Inc. Boca Raton, P. 391
- Keshtacher-Liebson, E., Y. Hadar and Y. Chen 1995. Oligotrophic bacteria enhance algal growth under iron-deficient conditions. *Applied and Environmental Microbiology*. 61: 2439-2441.
- Kumar, M., J. Kulshreshtha., G. P. Singh. 2011. Growth and Biopigment Accumulation of Cyanobacterium *Spirulina platensis* at Different Light Intensities and Temperature. *Brazilian Journal of Microbiology*. 42:1128-1135
- Kusmiati., N.W.S. Agustina., S.R. Tamat., dan M. Irawati. 2010. Ekstraksi dan Purifikasi Senyawa Lutein dari Mikroalga *Chlorella pyrenoidosa* galur lokal Ink. *Jurnal Kimia Industri*. 5: 30-34.

- Lavens, P and Sorgeloos. 1996. *Manual on The Production and Used of Live Food for Aquaculture*. FAO Fisheries Technical Paper 361.
- Maynardo, J.J., V. Doshi., J.R Rajanren., R. Rajasekaran. 2015. The Optimization of Light Intensity and Drying Temperature on Lipid Content of Microalgae *Nannochloropsis oculata*. *Journal of Engineering Science and Technology*. 112-121
- Naughton, S.J. 1998. *Ekologi Umum*. Gadjah Mada University Press. Yogyakarta.
- Ndiha, B.B.A. dan L. Limantara. 2009. *Karotenoid pada bahan makanan. Prosiding Seminar Nasional Biologi, Lingkungan dan Pembelajarannya*. Jurusan Pendidikan Biologi. F MIPA. Universitas Negeri Yogyakarta. Pp.75-84.
- Ogbonna, J. C., H. Yoshizawa., and H. Tanaka. 2000. Treatment of High Strength Organic Wastewater by a Mixed Culture of Photosynthetic Microorganism. *Journal of Applied Phycology*. 12: 277-84.
- Ota, M., M. Takenaka., Y. Sato., R.L.S. Jr., H.Inomata. 2015. Effects of Light Intensity and Temperature on Photoautotrophic Growth of a Green Microalga, *Chlorococcum littorale*. *Biotechnology Reports*. 7: 24-29
- Radakovits, R., R. E. Jinkerson, A. Darzins and M. C. Posewitz. 2010. Genetic engineering of algae for enhanced biofuel production. *Eukaryotic Cell*. 9: 486-501.
- Richmond, A. 1986. *CRC Handbook of Microalgal Mass Culture*. CRC Press, Inc. Florida. Pp. 199-244
- Richmond, A. 2004. *Handbook of Microalgal Culture : Biotechnology and Applied Phycology*. Blackwell Science Ltd. UK. p. 105
- Ruangsomboon, S. 2012. Effect of Light, Nutrient, Cultivation Time and Salinity on Lipid Production of Newly Isolated Consorsium of The Green Microalga, *Botryococcus braunii* KMITL 2. *Bioresource Technology*. 109: 261-265
- Salisbury, B. F., and W. C. Ross. 1992. *Plant Physiology 4th ed*. Wadsworth Publishing Co. diterjemahkan oleh Dian R Lukman dan Sumaryono. ITB. Bandung. Pp. 89-95
- Singh, B.P. 2013. *Biofuel Crops Production Physiology and Genetics*. Fort Valley State University. USA Pp.69-70
- Suyono, E. A., W. Haryadi, M. Zusron, M. Nuhamunada, S. Rahayu & A. P. Nugroho. 2014. The Effect of Salinity on Growth, Dry Weight and Lipid Content of the Mixed Microalgae Culture Isolated from Glagah as Biodiesel Substrate. *The 4th Annual Basic Science International Conference*. Malang, Indonesia.
- Suyono, E. A., W. Haryadi, M. Zusron, M. Nuhamunada, S. Rahayu, and A. P.Nugroho. 2015. The Effect of Salinity on Growth, Dry Weight and Lipid Content of the Mixed Microalgae Culture Consorsium from Glagah as Biodiesel Substrate. *Journal of Life Science*. 9: 229-233
- Taiz, L.and E. Zeiger. 2002. *Plant Physiology*. 3rd Edition. Sunderland: Sinauer Associates. Pp. 116-119

- Tomaselli, I. 1997. *Morphology, Ultrastructure and Taxonomy of Arthrospira (Spirulina) maxima and Arthrospira (Spirulina) platensis*. Taylor and Francis. London.
- Utama, I. V., S. Nopitasari, Stevanus, Fahrunnida dan R. D. Pahlevi. 2015. Isolasi kultur murni mikroalga dari konsorsium superkonsorsium Glagah sebagai stok *culture collection* di Indonesia. *Program Kreativitas Mahasiswa*. Universitas Gadjah Mada. Yogyakarta.