

## DAFTAR PUSTAKA

- Ali, S. & A.M. Saleh. 2002. *Spirulina* : an overview. *International Journal of Pharmacy*. 9 : 9-15
- Andersen, R.A. 2005. *Algal Culturing Techniques*. Elsevier Academic Press. California. 37
- Andrade, M.R and Costa, J.A.V. 2007. Mixotrophic cultivation of microalga *Arthrospira platensis* using molasses as organic substrate. *Aquaculture* .264: 130–134.
- Arief., M., N. Fitriani, & S.Surbakti. 2014. Pengaruh pemberian probiotik berbeda pada pakan komersial terhadap pertumbuhan dan efisiensi pakan ikan lele sangkuriang. *Jurnal Ilmiah Perikanan dan Kelautan*. 6: 49-51
- Batt, C. 2014. *Encyclopedia of Food Microbiology*. Elsevier. London. 309-313
- Belay, A. 2015. *Spirulina in Human Nutrition and Health*. CRC Press. USA. 345-346
- Bhatnagar,A.m S. Chinnasamy, M. Singh, & K.C. Das. 2010. Renewable biomass production by mixotrophic algae in the presence of various carbon sources and wastewaters. *Journal of Applied Energy*. 88: 3425-3431
- Blazencic, J. 2007. *Sistematika Algi*. NKK Interational. Beogard. 200
- Bradford, M.M. 1976. A rapid and sensitive for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Analytical Biochemistry*. 72 : 248-254
- Cardozo, K.H.M., T.Guaratini, M.P. Barros, V.R. Falcao, A.P. Tonon, N.P. Lopes, A.P. Torres, S.Campos, M.A. Torres, A.O. Souza. P. Colepicolo & E. Pinto. 2007. Metabolites from algae with economical impact : review. *Comparative Biochemistry and Physiology*. 146 : 60-68
- Celekli, A, and H. Bozkurt. 2009. Modelling of biomass by *Spirulina platensis* as function of phosphate concentration and pH regimes. *Bioresource Technology*. 100 : 3625-3629
- Chen, J and Shetty, H.P.C.1991. *Culture Of Marine Feed Organisms*. National Inland Institute Kasetsart University Campus. Bangkok, Thailand. 38

- Dere, S., T. Gunes, & R. Sivaci. 1997. Spectrophotometric Determination of Chlorophyll - A, B and Total Carotenoid Contents of Some Algae Species Using Different Solvents. *American Journal of Botanical*. 22: 14
- El-Gendy, N.S., H.R. Madian, and S.S. Abu. 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
- Fuller, R. 1989. Probiotics in man and animals. *Journal of Applied Bacteriology*. 66: 365-378
- Gardner, N.L. 1917. New Pacific coast marine algae I. *University of California Publications in Botany*. 6: 377-416
- Gonzales, R. V., J.G.Mayer, N.R. Seijas, & H.M.P. Varaldo. 2012. Treatment of mescal vinasses : a review. *Journal of Biotechnology*. 157 : 524-546
- Harun, R., M. Singh, G.M. Forde & M.K. Danquah. 2010. Bioprocess engineering of microalgae to produce a variety of consumer products. *Renewable & Sustainable Energy Review*. 14 : 1037-1047
- Holt, J.G., N.R. Kireg, P.H.A. Sneath, J.T. Staley, & S.T. William. 1994. *Bergey's Manual of Determinative Bacteriology 9<sup>th</sup> ed.* William and Wilkins. Baltimore. 542
- Hosikian, A., S.Lim, R. Halim & M.K. Danquah. 2010. Chlorophyll extraction from microalgae : a review on the process engineering aspects. *International Journal Chemical Engineering*. 11
- Kim, S. 2015. *Handbook of Marine Microalgae Biotechnology Advances*. Elsevier. South Korea. 484-485

- Kumar M., M.K. Sharma, & A. Kumar. 2005. *Spirulina fusiformis* : a food supplement against mercury induced hepatic toxicity. *Journal of Health Science*. 51 : 424-430
- Lee, R.E. 2008. *Phycology*. 4<sup>th</sup> edition. Cambridge University Press. 150-163
- Li, D.M. & Y.Z. Qi. 1997. *Spirulina* industry in China : present status and future prospects. *Journal of Applied Phycology*. 9: 25-28
- Lutoslawski, K., A. Ryznar-Luty, E.Cibis, M. Krzywonos, & T. Miskiewicz. 2011. Biodegradation of beet molasses vinasse by mixed culture of microorganism : effect of aeration conditions and pH control. *Journal of Environmental Science*. 23 : 1823-1830
- Marquez, F.J., K. Sasaki, T. Kakizono, N. Nishio, & S. Nagai. 1993. Growth characteristics of *Spirulina platensis* in mixotrophic and heterotrophic conditions. *Journal of Fermentation Bioengineering*. 5: 408-410
- Mathew, B., R. Sankaranarayanan, P.P. Nair, C. Varghese, T. Somanathan, B.P. Amma, N.S. Amma, & M.K. Nair. 1995. Evaluation of chemoprevention of oral cancer with *Spirulina fusiformis*. *Nutrition and Cancer*. 24 : 197-202
- Mohammed, M.K., M.K. Mohd. 2011. Production of carotenoids (antioxidants/colourant) in *Spirulina platensis* in response to indole acetic acid (IAA). *IJEST*. 3 : 4973-4979
- Muhling, M., A. Belay, & B. A. Whitton. 2005. Screening *Arthrospira* (*Spirulina*) for heterotrophy. *Journal of Applied Phycology*. 17: 129-135
- Mulders, K.J.M., Y. Weesepeel, P.P. Lamers, J.P. Vicken, D.E. Martens & R. H. Wijffels. 2013. Growth and pigment accumulation in nutrient-depleted *Isochrysis aff. Galbana T-ISO*. *Journal of Applied Phycology*. 25 : 1421-1430
- O'Hara, I & S. Mundree. 2016. *Sugarcane-based Biofuels and Bioproducts*. John Wiley & Sons, New York. Pp: 117-119
- Olbrich, H. 1973. *Molasses*. In: *Principles of Sugar Technology*, Vol. III. Elsevier Publisher Benjamin-Cummings Publishing Company, Subs of Addison Wesley Longman, Inc. London. 511
- Pareto, J. 2011. *Encyclopedia of Astrobiology*. Springer Berlin Heidelberg. Berlin. 485

- Phang, S.M., M.S. Miah, W.L. Chu, & M. Hashim. 2000. Spirulina culture in digested sago starch factory waste water. *Journal of Applied Phycology*. 12 : 395-400
- Perez-Garcia, O., F.M.E. Escalante, L.E. de-Bashan, & Y. Bashan. 2011. Heterotrophic cultures of microalgae : metabolism and potential product. *Water Res.* 45 : 11-36
- Punchard, N. A. 2001. *Haemocytometer Instruction Sheet* (for improved Neubauer *Haemocytometer*). University of East London. London. UK.
- Richmond, A. 2004. *Handbook of microalgal culture: biotechnology and applied phycology*. Blackwell Science. India. 264-266
- Setyoningrum, T.M., M.M. Nur, V.A. Wikasitakusuma, Annisaturairhan, & N. I. Putra. 2014. Evaluasi rasio C/N pada kultivasi *Spirulina platensis* dengan penambahan molase sebagai karbon organik. *Eksergi* : 11: 11-15
- Sigh, R.K., S.P. Tiwari, A.K. Rai, & T. M Mohapatra. 2011. Cyanobacteria : an emerging source for drug discovery. *Journal Antibiotics*. 6: 401-412
- Simanjutak, R. 2009. Studi pembuatan etanol dari limbah gula (molase). *Skripsi*. Universitas Sumatera Utara. Medan
- Staley, J.T., M.P. Bryant, N. Pfennig, & J.G. Holt. 1989. *Bergey's Manual of Determinative Bacteriology 3<sup>rd</sup> ed*. William and Wilkins. Baltimore. 559
- Srinivas, T. 2008. *Environmental Biotechnology*. New Age International Publisher. London. 10-14
- Sudarshan, R.N., J.P.D. Wanasundara, & L. Scanlin. 2017. *Sustainable Protein Sources*. Elsevier. London. 1-2
- Voshak, A. 2002. *Spirulina platensis (Arthrospira) : Physiology, Cell-biology, and biotechnology*. Taylor and Francis. London. 2-4
- Voshak, A., S. Laorawat, B. Bunnag, and M. Tanticharoen. 2013. The effect of light availability on the photosynthetic activity and productivity of outdoor cultures of *Arthrospira platensis (Spirulina)*. *Journal of Applied Phycology*. 26 : 1309-1315

- Wang, Y., C.Cresti & J. Peng. 2008. Growth associated biosynthesis of astaxanthin in heterotrophic *Chlorella zofingiensis* (Chlorophyta). *World Journal of Microbiology and Biotechnology*. 24 : 1915-1922
- Wikfors, H.G. & M. Onho. 2001. Impact of algal research in aquaculture. *Journal of Phycology*. 37 : 968-974
- Younis, M.A.M., F.F. Hezayen, M.A.Nur-Eldein, & M.S.A. Shabeb. 2010. Optimization of cultivation medium and growth conditions for *Bacillus subtilis* KO strain isolated from sugarcane molasses. *American-Eurasian Journal of Agriculture and Environmental Science*. 7: 31-37
- Yuan, X., A.Kumar, A.K. Sahu & S.J. Ergas. 2011. Impact of ammonia concentration on *Spirulina platensis* in an air lift photobioreactor. *Bioresour Technology*. 102 : 3234-3229
- Zeng, X., M.K. Danquah, X.D. Chen, & Y. Lu. 2011. Microalgae bioengineering : from CO fixation to biofuel production. *Renewable and Sustainable Energy Review*. 15 : 3252-3260