

DAFTAR PUSTAKA

- (1) Widianingsih.*Pengaruh Pengurangan Konsentrasi Nutrien Fosfat dan Nitrat Terhadap Kandungan Lipid Total Nannochloropsis oculata.* Jurusan Ilmu Kelautan, FPIK, Universitas Diponegoro Semarang, 2011.24-29
- (2) M.Oviyaasri, dkk.*Ekstraksi dan Isolasi Asam Lemak polyunsaturated dari Mikroalga Tetraselmis Sp.*Departemen Bioteknologi, Bannari Amman Institute of Technology, Mengikis District, Sathyamangalam, Tamil Nadu, India, 2017.
- (3) Guil-Guerrero, J.L., dkk. *Eicosapentanoic and Arachinodic Acids Purification from the Red Microalga Porphyridium cruentum*, Bioseparation 2001, (9): 299-306.
- (4) Rodolfi, L., G. C. Zittelli,N. Bassi,G. Padovani,N. Biondi,G. Bonini,M. R. Tredici. *Microalgae for Oil: Strain Selection, Induction ofLipid Synthesis and Outdoor Mass Cultivation in aLow-Cost Photobioreactor.* Biotechnology and Bioengineering, 2008, 102 (1) :100-113.
- (5) Syahrul, Dewita. *Suplemen makanan kesehatan ("Health Food") bernutrisi tinggi dari Chlorella dan minyak ikan patin.* Jurnal Pengolahan Hasil Perikanan Indonesia, 2016, 19(3): 251-255.
- (6) Purnomo, S; *Oksidan, Antioksidan dan Radikal Bebas*, Laboratorium Biokimia Fakultas Kedokteran Unair, 2015.
- (7) Becker E.W. 2007. Micro-algae as source of protein. *Biotechnology Advances* . 25,207-210.
- (8) A Rao, Ranga;Ravishankar GA.*Algae as Source of Functional Ingredients for Health Benefits*,India,2018, 001-004
- (9) Naik, S.N., Goud, V.V., Rout, P.K., Dalai, A.K.*Production of first and second generation biofuels: a comprehensive review.* Renew. Sustain. Energy Rev. 2010,14, 578-597.
- (10) Lam, M.K., K.T. Lee, and A.R. Mohamed, *Current status and challenges on microalgae-based carbon capture*, Int. J. Greenhouse Gas Control 2012,10: 456–469.
- (11) Rawat, I., Kumar, R.R., Mutanda, T., Bux, F. *Biodiesel from microalgae: a critical evaluation from laboratory to large scale production* 2013, Appl. Energy 103, 444-467.
- (12) Tsukahara, K., Sawayama, S. *Liquid fuel production using microalgae*.J. Japanse Petrol 2015, Instit 48, 251e259.
- (13) Chadir, Zulkarnain.; Neri Fadjria.; Armaini.; Rahadian Zainul.: *Isolation and Molecular Identification of Freshwater Microalgae in Maninjau Lake West Sumatra*.Der Pharmacia Lettre 2016, 8:1 77-187.
- (14) Dallaire, B., Bernet, N., and Bernard, O., *Anaerobic Digestion of Microalgae as a Necessary Step to Make Microalgae Biodiesel Sustainable*, Journal of Biotechnology Advances 2007, 27, pp. 409-416.

- (15) Siti zuhrotul munawaroh.Potensi Mikroalga Yang Dikultivasi Pada Media Limbah Cair Industri Karet Remah Dengan Sistem *Open Pond* Sebagai Sumber Protein.lampung.2016.hal 18
- (16) Lailisa, Rahmadina Ilsa. *Karakteristik Biodiesel Yang Dihasilkan Dari Mikroalga Scenedesmus Dimorphus*. Diploma thesis, Universitas Andalas, 2018.
- (17) Fromm, H. and M. Hargrove.*Esentials of Biochemistry*. Springer. New York, 2012.
- (18) Gunstone, F.D.Fatty Acid and Lipid Chemistry.Blackie Academic Professions, London, 1996, pp.1-252.
- (19) UTEX, The Culture Collection of Algae.The University of Texas, Austin, 2008.
- (20) Muhkriani. Ekstraksi Pemisahan Senyawa dan Identifikasi Senyawa Aktif, Makassar, 2014.Volume VII No. 2.361-367
- (21) Bligh, E.G. and Dyer, W.J. *A Rapid method of total lipid extraction and purification*.Canadian Journal of Biochemistry and Physiology, Ottawa.1959. 911–917
- (22) Martin, P.D., *Sonochemistry in industry*, Progress and prospects. Chemistry and Industry 1993, 7, hal 233–6.
- (23) Baba M. and Y. Shiraiwa. 2013. Biosynthesis of Lipids and Hydrocarbons in Algae. *InTech Open*. 331 – 356
- (24) McMurry, J., M. Castellion, D.S. Balantine, C. A. Hoeger and V. E. Peterson. *Fundamental of General, Organic and Biological Chemistry*, 6th eds. Pearson Education, Inc. New York, 2010.
- (25) Joyard, J., M. Ferro, C. Masselon, D. Seigneurin-berny, D. Salvi, J. Garin, & N. Rolland. *Chloroplast Proteomics Highlights the Subcellular Compartmentation of Lipid Metabolism*. Progress in Lipid Research, 2010 , 49(2), 128-158.
- (26) Alvarez, H. M, & A. Steinbüchel. *Triacylglycerols in Prokaryotic Microorganisms*. Applied Microbiology and Biotechnology 2002, 60(4),367-376.
- (27) Riekhof, W. R, B. B Sears, & C. Benning. *Annotation of Genes Involved inGlycerolipid Biosynthesis in Chlamydomonas reinhardtii: Discovery of the Betaine Lipid Synthase BTA1*. Eukaryotic cell 2005, 4(2), 242-252.
- (28) Hoffmeister, M, M. Piotrowski, U. Nowitzki, & W.Martin. 2005. Mitochondrialtrans-2-enoyl-CoA Reductase of Wax Ester Fermentation from Euglena gracilis Defines a New Family of Enzymes Involved in Lipid Synthesis. *The Journal of Biological Chemistry*, 280(6), 4329-4338.
- (29) Muchtadi, T.R. *Asam lemak omega 9 dan manfaatnya bagi kesehatan*. Media Indonesia, 2000, 29 November.
- (30) Sayeda, M Abdo; Gamila H Ali; Farouk K. El-Baz. *Potential Production of Omega Fatty Acids from Microalgae*, Mesir, 2015,210-215
- (31) Qin, J.G. *Bio_Hydrocarbon from algae: Impacts of temperature. Light and salinity on algae growth*. A report for the Rural Industries Research and Development Corporation, Australia, 2005, RIRDC Publication No, 05/025.

- (32) Pratoomyot, J., P. Srivilas & T. Noiraksar. *Fatty Acids Composition of 10 Microalgal Species*. Songkranakarin J. Sci. Technol, 2005, 27(6): 1179-1187.
- (33) anggrani, prima.efek keterbatasan nitrat sebagai sumber nitrogen pada medium walne terhadap akumulasi lipid Chlorella vulgaris pada reaktor pelat datar.Universitas Indonesia, Depok, 2012, 46-47
- (34) Sidabutar, Hotman BR, M.Hasbi, Budijono. *The effectiveness of tofu liquid waste for growing Chlorella sp*.Universitas Riau, Riau, 2016,1-8
- (35) Dinata, Kadek Dedi Widnyana B;A.A.M.Dewi Anggreni; Nyoman Semadi Antara.: *Pengaruh Konsentrasi Natrium Nitrat dan Natrium Dehidrogen Fosfat pada Media Walne Terhadap Konsentrasi Biomassa dan Protein Nannochloropsis oculata*. Vol. 5. No. 1. Maret 2017.40-49
- (36) Chrismadha, Tjandra; Lily M Panggabean;Yayah Mardiaty.: *Pengaruh Konsentrasi Nitrogen Dan Fosfor Terhadap Pertumbuhan, Kandungan Protein, Karbohidrat Dan Fikosianin Pad A Kultur Spirulinafusiformis*, Bogor.2006,163-169
- (37) Gouveia, Luisa. *Microalgae of a Feedstock for biofuels*, springer brief in microbiology.2011.438-449
- (38) Hu, H & K. Gao. *Response of growth and fatty acid compositions of Nannochloropsis sp. to environmental factors under elevated CO₂ concentration*. Biotechnol. Lett. 2006. 28: 987–992.
- (39) Widjaja, Arief., Chien, Chou-Chang, and Ju, Yi-Hsu. *Study of increasing lipid production from fresh water microalgae Chlorella vulgaris*. Jour of the Taiwan Institute of Chemical Engineers 2009, 40,13–20.
- (40) Wijanarko, Anondho. *Effect of the Presence of Substitued Urea and also Ammonia as Nitrogen Source in Cultivated Medium on Chlorella's Lipid Content*. Department of Chemical Engineering Universitas Indonesia. Unpublished Journal, 2011.
- (41) Hendrawan, Yusuf ; Sumardi Hadi S; Sabrina Anggraini.: *Pengaruh Fotoperiode Dan Variasi Kandungan Nitrogen (NANO₃) Terhadap Laju Pertumbuhan Dan Kandungan Lipid Mikroalga Blt0404*, Universitas Brawijaya, Vol. 5 No. 1, Februari 2017,9-18

