# DAFTAR PUSTAKA

1. Abulgani, N., Zuhdi, A. F. M. Z. 2007. Potensi Mikroalga *Skeletonema costatum, Chlorella vulgaris,* dan *Spirulina platensis* sebagai Bahan Baku Biodiesel. *ITS Research.*10983-131879378.
2. Al-qasmi, M., Member, N. R., Talebi, S., Al-rajhi, S., and Al-barwani, T. 2012. A Review of Effect of Light on Microalgae Growth. *Proceedings of the World Congress on Engineering*, 1:8–10.
3. Andersen, R. 2005. Algal Culturing Techniques. *Aquaculture*, 154: 239-269.
4. Angelaalincy, M., Senthilkumar, N., Karpagam, R., Kumar, G.G., Ashokkumar, B., Varalakshmi, P. 2017. Enhanced Extracellular Polysaccharide Production and Self-Sustainable Electricity Generation of PAMFCs by Scenedesmus sp. SB1. *ACS Omega*, 2: 3754-3765.
5. Assadad, L., Utomo, B. S. B., Sari, R. N. 2010. Pemanfaatan mikroalga sebagai bahan baku bioethanol. *Squalen*, 5 (2): 51-58.
6. Asthary, P. B., Setiawan, Y., Surachman, A., dan Saepulloh. 2016. Pertumbuhan Mikroalga Spirulina platensis dalam Efluen Industri Kertas. *Jurnal Selulosa*, 3 (2): 97-102.
7. Bakuei, N., Amini, G., Najafpour, G. D., Jahanshahi, M., and Mohammadi, M. 2015. Optimal Cultivation of *Scenedesmus* sp. Microalgae in A Bubble Column Photobioreactor. *Indian Journal of Chemical Technology*. 22: 20–25.
8. Bleeke, F., Milas, M., W., D., Klock, G. 2015. Optimization of Freshwater Microalgal Biomass Harvest using Polymeric Flocculant. *International Aquatic Research*. 7: 235-244.
9. Bondoc. K. G. V., Reuschele, J., Guillard, J., Vyverman, W., Pohnert, G. 2016. Selective silicate-directed motility to diatoms. *Natural Community*, 7: 10540.
10. Borowitzka, M. A., dan Moheimani, M. R. 2013. *Algae for biofuels and energy*. Springer Science + Business Media; Dordrecht, 28-32.
11. Branyikova, I. Filipenska, M., Urbanova, K., Ruzicka, M.C., Pivokonsky, M., Branyik, T. 2018. Physicochemical approach to alkaline flocculation of Chlorella vulgaris induced by calcium phosphate precipitates. *Colloid Surf. B-Biointerfaces*, 166: 54–60.

12. Castillo, J. A., del Castillo, M. E. M., Hernandez-Beceril, D.U. 1995. Morphology and Distribution of Species of The Diatom Genus *Skeletonema* in A Tropical Coastal Lagoon. *European Journal of Phycology*, 30:107-115.
13. Cheng, P., Wang, Y., Osei-Wusu, D., Liu, T., and Liu, D. 2018. Effect of seed age, inoculum density, and culture conditions on growth and hydrocarbon accumulation of *Botryococcus braunii* SAG807-1 with attached culture. *Bioprocess*, 5: 1-9.
14. Chisti, Y. 2007. Biodiesel from microalgae. *Biotechnology Advances*, 25: 294-306.
15. Croft, M. T., Lawrence, A. D., Raux-Deery, E., Warren, M. J., Smith, A. G. 2005. Algae acquire vitamin B12 through a symbiotic relationship with bateria. *Nature*, 438: 90-93.
16. Cuzon, G. 2004. Nutrition of *Litopenaeus vanamei* reared in tanks or in ponds. *Aquaculture*, 235: 119-123.
17. De Godos, I., Guzman, H. O., Soto, R., Garcia-Encina, P.A., Becares, E., Munoz, R., Varges, V. A. 2011. Coagulation / Flocculation-based Removal of Algal-bacterial Biomass from Piggery Wastewater Treatment. *Bioresources Technology*, 102 (2): 923-927.
18. De Morais M.G., Costa, J.A.V. (2007), Biofixation of carbon dioxide by *Spirulina* sp. and *Scenedesmus obliquus* cultivated in a threestage serial tubular photo-bioreactor. *Journal of Biotechnology*, 129: 439–445.
19. De Philippis, R., Sili, C., Paperi, R., Vincenzini, M. 2001. Exopolysaccharide-producing cyanobacteria and their possible exploitation: a review. *Journal of Applied Phycology*. 13: 293-299.
20. Demirhas, A. 2007. Importance of biodiesel as transportation fuel. *Energy Policy*, 35 (9): 4661-4670.
21. Dickenson, S., Mientus, M., Frey, D., Audni-Hasibashi, A., Oclurk, S., Shaikh, F., Sengupta, D., El-Halwaqi, M. M. 2017. A review of biodiesel production from microalgae. *Clean Technology Environmental*, 19 (3): 637-663.
22. Dubois, M., Gilles, K. A., Hamilton, J.K., Rebers, P. A., Smith, F.1956. Colorimetric Method for The Determination of Sugars and Related Substances. *Analytical Chem*istry, 28: 350-356.

23. Endar, V., Sarjito, Hutabarat, J., Prayitno, B. 2012. Effect of using Guillard and Walne technical culture media on growth and fatty acid profiles of microalgae *Skeletonem*a sp. in mass culture. *Journal of Coastal Development*, 16 (1): 50-56.
24. Francisco, E. C., Neves, D. B., Jacob-Lopes, E., Franco, T. T. 2010. Microalga as feedstock for biodiesel production carbon dioxide sequestration, lipid production, and biofuel quality. *Journal Chemical Technology and Biotechnology*, 83: 395-403.
25. 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: 2225-2234.
26. Gao, G., Shi, Q, Xu, Z., Campbell, D. A., Wu, H. 2018. Global warning interacts with ocean acidification alter PSII function and protection in the diatom *Thallasiosira weissflogii*. *Environmental and Experimental Botany*, 147: 95-103.
27. Gao, G., Glare, A. S., Chatcidimitriou, E., Rose, G., Caldwell, G. 2018a. Effects of ocean warming and acidification, combined with nutrient enrichment on chemical composition, and functional properties of *Ulva rigida. Food Chemical*, 258: 71-78.
28. Gao. G. Xia, J., Gu, J., Zang, X. 2009. Physiological response of a red tide alga (*Skeletonema costatum*) to nitrate enrichment with special reference to inorganic carbon acquisition. *Marine Environmental Resources*, 133: 15-23.
29. Ghasemi, Y. S., Rasoul-Amini, A. T., Naser, Montazeri, N. Najafabady, M. A., Mobasher, Dabbagh, F. 2012. Microalga Biofuel Potential (Review). *Appplied Biochemistry and Microbiology*, 48: 126-144.
30. Golueke, C. G. and Oswald, H. O. 1970. Surface Properties and Ion Exchange in Algae Removal. *Journal of Water Pollution Control*, 42: 12304
31. Granados, M. R., Acien, F.G., Gomez, C., Fernandez-Sevilia, J. M., Grima, E. M. 2012. Evaluation of flocculants for the recovery of freshwater microalgae. *Bioresources Technology*, 118: 102-110.
32. Granum, E., Kirkvold, S., Myklestad, S.M. 2002. Cellular and extracellular production of carbohydrates and amino acids by the marine diatom

*Skeletonema costatum*: diel variations and effects of N depletion. *Marine Ecology Progress Series*, 242, 83–94.

33. Grima, E.M., Belarbi, E.H., Fernandez, F.G.A., Medina, A.R., Chisti, Y. 2003. Recovery of microalgal biomass and metabolites: process options and economics. *Biotechnology Advances*, 20: 491-515.
34. Gultom, S.O., Hu, B. 2013. Review of microalgae harvesting via co-pelletization with filamentous fungus. *Energies*, 6 (11): 5921-5939.
35. Guo, S.L., Zhao, X.Q., Wan, C., Huang, Z.Y., Yang, Y.L., Alam, M.A., Chang, J.S. 2013. Characterization of flocculating agent from the self-flocculating microalga *Scenedesmus obliquus* AS-6-1 for efficient biomass harvest. *Bioresources Technology*, 145: 285-289.
36. Gupta, P. and Diwan, B. 2017. Bacterial Exopolysaccharide mediated heavy metal removal: A Review on biosynthesis, mechanism and remediation strategies, *Biotechnology Reports*, 13: 58–71.
37. Gutterrez, R., Dassos, F., Ferrer, I., Uggetti, E., Garcia, J. 2015. Harvesting microalgae from Wastewater Treatment Systems With Natural Flocculant: Effect on Biomass Settling and Biogas Production. *Algal Research*, 9 (0): 204-211.
38. Heimann, K. and Huerlimann, R. 2015. The benefits and advantages of commercial algal biomass harvesting. *Proceedings of the Biosafety and the Environmental Uses of Micro-Organisms Conference*. pp. 73-92
39. Henderson, R. K., Parsons, S.A., Jefferson, B. 2008. Succesful removal of algae through the control of zeta potential. *Sep. Science Technology*, 43 (7): 1653-1666.
40. Herawati, V. E. 2008. Suitabiliy analysis of aquatic Segara Anakan Cilacap as shellfish cultivation land Totok (*Polymesoda Erosa*) seen from aspects of primary productivity using remote sensing [thesis]. Graduate program Universitas Diponegoro. Semarang.
41. Hu, Q., Sommerfeld, M., Jarvis, E., Ghirardi, M., Posewitz, M., Secbert, M., Darzins, A. 2008. Microalgae triacylglycerols as feedstocks for biofuel production: perspective and advances. *Plant Journals*, 54:621-639.

42. Jiang, X., Han, Q., Gao, X., Gao, G. 2016. Conditions optimising on the yield of biomass, total lipid, and valueable fatty acid in two strains of Skeletonema menzelli. *Food Chemical*, 194: 723-733.
43. Kamyab, H., Din, M. F. M., Lee, C. T., Keyvanfar, A., Shafighat, A., Majid, M. Z. A., Ponraj, M., Yun, T. X. 2015. Lipid Produvtion by Microalga Chlorella pyrenoidosa Cultivated in Palm Oil Mill Effluent (POME) using Hybrid Photobioreactor HPBR, Devalin. *Water Treatment*, 55: 3737-3749.
44. Kawaroe, M., Prartono, T., Sunuddin, A., Saputra, D. 2016. Marine Microalgae Tetraselmis suecica as Flocculant Agent of Q5 Bio-flocculation Method. *HAYATI Journal of Biosciences*, xxx: 1-5.
45. Kazamia, E. Dridge, D.C.A. and Smith, A.G. 2012. Synthetic ecology-a way forward for sustainable algal biofuel production? *Journal of Biotechnology*, 162, 163-169.
46. Kuczynska, Pp., Jemida-Rzeminska, M., and Scrzalka, K. 2015. Photosynthetic Pigmnets in Diatoms, review. *Marine Drugs*, 13:5847-5881.
47. Kumar, C. S. dan Prabu, V. A. 2014. Culture of the phytoplankton Skeletonema costatum, Cleve, 1873. *International Journal of Current Microbiology and Applied Sciences*, 3 (11):129-136.
48. Kumar, D., Kastanek, P., Adhikary, S.P. 2018. Exopolysaccharides from Chlorophyceae and microalgae and their commercial application. *Current Science*. 115 (2): 234-241.
49. Kurnianto, D., and Suyono, E. A. 2021. Effect of inoculant density on the growth of glagah consortium culture. *4$^{th}$ International Symposium on Marine Science and Fisheries*, 860 (012033): 1-6.
50. Lananan, F., Yunos, F.H.M., Nasir, N.M., Bakar, N.S.A., Lam, S.S., Jusoh, A. 2016. Optimization of biomass harvesting of microalgae, *Chlorella* sp. utilizing auto-flocculating microalgae, *Ankistrodesmus* sp. as bioflocculant. *International Biodeterioration & Biodegradation*, 113: 391-396.
51. Laura and Paolo. 2006. Effect of nutrient and light limitation on the biochemical of phytoplankton. *Aquaculture*, 68: 145-156.

52. Lee, A.K. Lewis, D.M., Ashman, P.J. 2009. Microbial Flocculation, a Potentially Low-cost Harvesting Technique for Marine Microalagae for The Production of Biodiesel. *Journal of Applied Phycology*, 21: 559-567.
53. Lee, A.K. Lewis, D.M., Ashman, P.J. **2013.** Harvesting of marine microalgae by electroflocculation: The energetics, plant design, and economics. *Applied Energy*, 108, 45–53.
54. Levitan, O., Dinamarea, J. Hochman, G., Falkowski, P. G. 2014. Diatoms: a fossil fuel of the future. *Trends Biotechnology*, 32 (3): 111-124.
55. Leynaert, A. Bardel, C. Bkere, B., Soler, C., Delebecq, G., Lemerecver, A. Pordaven, P. Durand, P. E., Heggany, R. 2018. Diatom frustule nanostructure in pelagic and benthic environment. *Silicon*, 10 (5): 2701-2709.
56. Li, P., Harding, S.E., Liu, Z. 2001. Chlorophycea exopolysaccharaides: their nature and potential biotechnological applications. *Biotechnology and Genetic Engineering Reviews*. 18(1): 375-404.
57. Li, X. Y. Yang, S. F. 2007. Influence of Loosley Bound Extracellular Polymeric Substances (EPS) on The Flocculation, Sedimentation, and Dewatering of Activated Sludge. *Water Research*, 41: 1022-1034.
58. Li, Y., Wan, C. 2011. *Algae for Biofuel*. Departement of Food. Agricultural and Biological Engineering, The Ohio State University, 3.
59. Li, Y., Horsman, M., Wang, B., Wu, N, Lan, C. 2008. Effects of Nitrogen Sources on Cell Growth and Lipid Accumulation Of Green Alga *Neochloris oleoabundans*. *Applied Microbiology and Biotechnology*, 81: 629-636.
60. Limoli, D. H., Jones, C. J., Wozniak, D. J. 2015. Bacterial exracellular polysaccharides in biofilm formation and function. *Microbiology Spectrum*, 3: 1-30.
61. Liu, J., Tao, Y., Wu, J., Zhu, Y., Gao, B., Tang, Y., Li, A., Zhang, C., Zhang, Y. 2014. Effective Flocculantion Of Target Microalgae With Self-Flocculating Microalgae Induced by pH Decrease. *Bioresources Technology*, 167: 367-375.
62. Liu, J., Zhu, Y., Tao, Y., Zhang, Y., Li, A., Li, T., Sang, M., Zhang, C. 2013. *Biotechnology Biofuels*, 6: 2-11.

63. Liu, J., Zhang, X., Tan, T.W. 2016. Mechanistically harvesting of Chlorella vulgaris and Rhodotorula glutinis via modified montmorillonoid. *Bioresources Technology*, 218, 737–742.
64. Mahesh, S., Desalegn, T., Alemayehu, M. 2013. Evaluation of photosynthetic microbial fuel cell for bioelectricity production. *Indian Journal of Energy*, 2: 227
65. Markou, G., Angelidaki, I, dan Georgakakis, D. 2012. Microalgal carbohydrates: an overview of the factors influencing carbohydrates production, and main bioconvers on technologies for production of biofuels. *Applied Microbiology Biotechnology*, 96: 631-645.
66. Mata, T.M., Martis, A. A., Caetano, N.S. 2010. Microalgae for biodiesel production and other applications: A review. *Renewable Sustainable Energy Reviews*, 14: 217-232.
67. Matter, I.A., Bui, V.K.H., Jung, M., Seo, J.Y., Kim, Y.E., Lee, Y.C., Oh, Y.K. 2019. Flocculation harvesting techniques for microalgae: a review. *Applied of Sciences*, 9 (15): 3069.
68. McNair, H. M., Braezinski, M. A., Krause, J. W. 2018. Diatoms populations in an upwelling environment decrease silica content to avoid growth limitation. *Environmental Microbiology*, 20 (11): 4184-4193.
69. Nasir, N.M., Bakar, N.S.A., Lananan, F., Abdul Hamid, S.H., Lam, S.S., Jusoh, A. 2015. Treatment of African catfish, *Clarias gariepinus* Wastewater Utilizing Phytoremediation Of Microalgae, *Chlorella* sp. with *Aspergillus niger* bio-harvesting. *Bioresources Technology*, 190: 492-498.
70. Nigam, S., Rai, M.P., and Sharma, R. 2011. Effect of Nitrogen on Growth and Lipid Content of Chlorella pyrenoidosa. *American Journal Biochemistry and Biotechnology*, 7(3), 124-19.
71. Ndikubwimana, T., Zeng, X., Liu, Y., Chang, J. S., Lu, Y. 2014. Harvesting of Microalgae *Desmodesmus* sp. FS1 by Bioflocculant. *Algal Research*, 6: 186-193.
72. Ndikubwimana, T., Zeng, X., He, N., Xiao, Z., Xie, Y., Chang, J. S., Lin, L., Lu, Y. 2015. Microalgae Biomass Harvesting by Bioflocculation Bacterial-

interpretation by Classical DLVO Theory. *Biochemical Engineering,* 101: 160-167.

73. Nurachman, Z. Hartini, H., Rahmaniyah, W. R., Kurnia, D., Hidayat, R., Prijamnoedi, B., Suendo, V., Ratnaningsih, E., Panggabean, G. M. L., Nurbaiti, S. 2015. Tropical Marine *Chlorella* sp. PP1 as A Source pf Photosynthetic Pigments for Dye-sensitized Solar Alls. *Algal Research*, 10: 25-32.
74. Pal, S., Mal, D., Singh, R. P. 2005. Cationic Starch: an Effective Flocculating Agent. *Carbohydate. Polymers*, 59 (4): 417-423.
75. Pandey, A., Lee, D. J., Chang, J. S., Chisti, Y., Soccel, G. R. 2018. *Biomass, Biofuels, Biochemicals: Biofuels from Algae*. Elseiver.
76. Papazi, A., Makridis, P., Divanach, P. 2010. Harvesting *Chlorella minutissima* using all coagulants. *Journal of Applied Phycology*, 22: 349-355.
77. Papone T, Kookkhunthod S, Leesing R (2012) Microbial oil production by monoculture and mixed cultures of microalgae and oleaginous yeasts using sugarcane juice as substrate. *World Academic Science Engineering Technolnology*, 64:1127–1131
78. Patil, V., Tran, K.Q., and Giselrod, H.R. 2008. Towards sustainable production of biofuels from microalgae. *International Journal of Molecular Science*, 9: 118-1195
79. Pereira, S., Zille, A., Micheletti, E., Moradas-Ferreira, P., De Philippis, R., Tamagini, P. 2009. Complexity Of Cyanobacterial Exopolysaccharides: Composition, Structures, Inducing Factors and Putative Genes Involved in Their Biosynthesis and Assembly. *FEMS Microbiology Review*. 33: 917-941.
80. Pippo, F.D., Ellwood, N.T.W., Gismondi, A., Bruno, L., Rossi, F., Magni, P., Philippis, R.D. 2012. Characteriation Of Exopolysaccharides Produced by Seven Biofilm-Forming Chlorophyceae Strains for Biotechnological Applications. *Journal of Applied Phycology*,. 25: 1697-1708.
81. Popovich, C. A., Damiani, C., Constenla, D., Leonardi, P. I. 2012. Lipid quality of the diatoms *Skeletonema costatum* and *Navicula gregaria* from South Atlantic Coast (Argentina): evaluation of its suitability as biodiesel feedstock. *Journal of Applied Phycology*, 24: 1-10.

82. Posten, C. and Watter, C. 2012. ,*Microalgal biotechnology: Potential and Production*. De Greyter, Berlin.
83. Pratiwi, S., Nurhidayati, T., Nurhatika, S., Ermavitalini, D., and Muhibbudim, A. 2015. The influences of physiological stress from silicon (Si) nutrient toward total lipid content at *Skeletonema costatum. Journal of Applied Environmental and Biological Sciences*, 5 (11): 68-71.
84. Ramaraj, R., Unpapron, Y., Dussadee, N. 2016. Cultivation of Green Microalga, *Chlorella vulgaris* for Biogas Purification. *International Journal of New Technology and Research (IJNTR)*, 2 (3): 117-122.
85. Rashid, N., Park, W. K., and Selvaratnam. 2018. Binary culture of microalgae as an integrated approach for enhanced biomass and metabolites productivity, wastewater treatment, and bioflocculation. *Chemosphere*, 194: 67-75.
86. Raza, W., Yang, W., Jun, Y., Shakoor, F., Huang, Q., Shen, Q. 2012. Optimization and Characterization of a Polysaccharide Produced by *Pseudomonas flourescens* WR-1 and Its Antioxidant Activity, *Carbohydrate Polymers*, 96: 921-929.
87. Rinanti, A., Dewi, K., astute, D.I., kardenA, E. 2014. Improvement of Carbon Dioxide Removal through Artificial Light Intensity and Temperature by Constructed Green Microalgae Consortium in a L Vertical Bubble Column Photobioreactor. *Malaysian Journal of Microbial*, 10 A (1A): 29-37.
88. Rinanti, A., Purwadi, R. 2019. The Potentiof of Tropical Microalgae as Flocculant in Harvesting Process. *International Journal of GEOMATE*, 16 (56): 165-170.
89. Rodolfi, L., Zitelli, G.C., Bassi, N., Padovani, G., Blondi, N., Bonini, G., and Tredici, M.R. 2009. Microalgae for oil: strain selection, induction of lipid synthesis and outdoor mass cultivation in a low-cost photobioreactor. *Biotechnology Engineering*, 102, 100-112.
90. Sabilil, M. S., dan Suyono, E. A. 2021. Biomass Composition of Microalgae Local Mixed Culture using POME (Palm Oil Mill Effluent) Medium. *Research Journal of Biotechnology*, 16 (5): 41-50.
91. Safi, C., Zebib, B. Merah, O., Pontailer, P.Y., Vaca-Garcia, C. 2014. Morphology, composition, production, processing, and appliations of

*Chlorella vulgaris*: A review. *Journal of Renewable and Sustainable Reviews*, 35: 265-278.

92. Salehizadch, H., Vossoughi, M., Alemzadch, I. 2000. Some Investigation on Bioflocculant Producing Bacteria. *Biochemical Engineering*, 5 (1): 39-44.
93. Salim, S., Bosma, R., Vermue, M.H., Wijffels, R.H. 2011. Harvesting of microalgae by bio-flocculation. *Journal of Applied Phycology,* 23: 849-855.
94. Sanchez, J.F., Fernandez, J.M., Acien, F.G., Rueda, A., Perez-Parra, J., Molina, E. 2008. Influence of culture conditions on the productivity and lutein content of the new strain *Scenedesmus almeriensis*. *Process Bochemicals*, 43: 398-405.
95. Sartika. 2014. Kandungan klorofil dan lipid Nanochloropsis aculata yang dikultur dalam media limbah cair karet. *Jurnal Protobiont*, 3 (3): 25-30.
96. Sathe, S. 2010. Culturing and Harvesting Microalgae for The Large-scale Production of Biodiesel. *Microbial Engineering Research Grou*p, 97.
97. Schenk, P. M., Thomas-Hall, S. R., Stephens, E., Marx, U., Mussgnug, J. H., Posten, C., Kruse, O., Hankamer, B. 2008. Second Generation Biofuel: High-efficiency Microalgae for Biodiesel Production. *Bioenergy Resources*, 1: 20-43.
98. Sen, S., dan Ruma, R. 2015. Microalgae in Aquaculture : A Review with Special References to Nutritional Value and Fish Dietetics. *Proceedings of the Zoological Society.* 68 (1): 1-8.
99. Setyaningsih, E. P., Nurhidayati, T., Alvionita, V., Nurhatika, S., Ermavitalini, D., Muhibudin, A., Purwani, K. I., Setyawan, E. 2017. Total Lipid and Morphology Microalgae Skeletonema costatum on Nitrogen Nutrition Physiological Stress. *Proceeding of International Conference on Green Technology*, 8 (1): 187-190.
100. Sharmin, T., Hasan, C. M. M., Aftabuddin, S., Rahman, M. A., Khan, M. 2016. Growth, Fatty Acid, and Lipid Composition of Marine Microalgae Skeletonema costatum Available in Bangladesh Coast: Consideration as Biodiesel Feedstock. *Journal of Marine Biology*, 2016: 1-8.
101. Sheng, G. P., Yu, H. Q., Li, X. Y.2010. Extracellular Polymeric Substances (EPS) of Microbial Aggregates in Biological Wastewater Treatment Systems: a Review. *Biotechnology Advances*, 28: 882-894.

102. Shuba, E. S., Kifle, D. 2018. Microalgae to biofuels: Promising alternative and renewable energy, review. *Journal of Renewable and Sustainable Energy Reviews*, 81: 743-755.
103. Smith, S. R., Gle, C., Abbtlano, R. M., Traller, K. C., Davis, A., Treneneoste, E. Verner, M., Allen, A. E., Fildebrand, M. 2016. Transcript level coordination of carbon pathways during silicon starvation-induced lipid accumulation in the diatom *Thalassiosira pseudonana*. *New Phycology,* 2010 (3): 890-904.
104. Suyono, E.A., Haryadi, W., Zusron, M., Nuhamunada, M., Rahayu, S., Nugroho, A.P. 2015. The Effect of Salinity of Growth, Dry Weight, and Lipid Content of Mixed Microalgae Culture Isolated from Glagah as Biodiesel Substrate. *Journal of Life Science*, 9, 229–233.
105. Suyono, E.A., Nuhamunada, M., Ramadhani, N. and Ramadhaniyah. 2016. Lipid Content from Monoculture of Microalgae Chlorella zofingiensis Donz and Mixed Culture of Glagah Isolate in Laboratory Scale and Raceway Pond for Biodiesel Production. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences,* 18 (1), 95-100.
106. Suyono, E. A., Retnaningrum, E., and Ajijah, N. 2018.Bacterial Symbionts Isolated from Mixed Microalgae Culture of Glagah Strains. *International Journal of Agriculture and Biology*, 20: 33-36.
107. Tiwari, M. O., R. khangngembam, M. Shamjetshabam, A. S. Sharma, G. Oinam, J. J. Brand. 2015. Characterization and Optimization of Bioflocculant Exopolysaccharide Production by Cyanobacteria Isolat Glagah BTA97 and Anabaena sp. BTA990 in Culture Conditions. *Applied Biochemistry Biotechnology*, 176 (7): 1950- 1963.
108. Uduman, N., Qi, Y., Danquah, M.K., Forde, G.M., Hoadley, A. 2010. Dewatering of microalgal cultures: A major bottleneck to algae-based fuels. *Journal of Renewable and Sustainable Energy Reviews*, 2: 15.
109. Ummalyma, S.B., Gnansounou, E., Sukumaran, R.K., Sindhu, R., Pamdey, A., Sahoo, D. 2017. Bioflocculation: An alternative strategy for harvesting of microalgae – An overview. *Bioresources Technology*, 242: 227-235.

110. Ummalyma, S. E., Sukumaian, R. K. 2015. Cultivation of The Fresh Water Microalagae *Chlorococcum* sp. RAD13 in Sea Water for Producing Oil Suitable for Biodiesel. *Journal of Applied Phycology*, 27 (1): 141-147.
111. Use of Plant Growth Regulators to Enhance Algae Growth for The Production of Added Value Product U.S. Patent. US20100210002 A1.
112. Vandamme, D., Foubert, I., Meesschaert, B., Mulyaert, K. 2012. Flocculation of *Chlorella vulgaris* induced by high pH: role of magnesium and calcium and practical implications. *Bioresources Technology*, 105: 114-119.
113. Wahyuni, N. E., Rachmawati, B., Samudra, T. T., Pradana, Y. S., Budiman, A., Suyono, E. A. 2020. Variation of Biomassa and Lipid Content of a Mixed Culture of Glagah Isolate and *Arthrospura maxima* in Thin-Layer Photobioreactor Using Three Different Media (BBM, Frampion, and TEAM. *AIP Conference Proceedings*, 260: 040016-1-040016-8.
114. Wan, C., Zhao, X. G., Guo, S. L., Alam, M. A., Bai, F. W. 2013. Bioflocculant Production from *Solibacillus silvestris* W01 and Its Application in Cost-effective Harvest of Marine Microalga *Nannochloropsis oceanica* by Flocculation. *Bioresources Technology*, 135: 207-212.
115. Wang, H., Laughinghouse, H.D., Anderson, M.A., Chen, F., Williams, E., Place, A.R., Hill, R.T. 2012. Novel bacterial isolate from Permian groundwater, capable of aggregatinng potential biofuel-producing microalga *Nannochloropsis oceanica* IMET1. *Applied and Environmental Microbiology*, 78 (5), 1445-1453.
116. Whitfield, C. 1988. Bacterial Extracellular Polysaccharides. *Journal of Microbiology*, 34: 415-420.
117. Xiao, R. and Zheng, Y. 2016. Overview of microalgal extracellular polymeric substances (EPS) and their applications. *Biotechnology Advances* 34 (7):1225-1244.
118. Yuan, W., Gao, G., Shi, Q., Xu, Z., Wu, H. 2018. Combined effects of ocean acidification and warming on phycological response of the diatom *Thalassiosira pseudonana* to light challangers. *Marine Environmental Resources*, 135: 53-69.

119. Zhang, W., Xiong, R., Wei, G. 2009. Biological Flocculation Treatment on Distillery Watewater and Reurculation of Wastewater. *Journal of Hazardous Water*, 172 (2): 1251-1257.
120. Zheng, H. L., Gao, Z., Yin, J.L., Huang, H. 2012. Harvesting of microalgae by flocculating with poly (gamma-glutamic acid). *Bioresources Technology*, 112: 212-220.
121. Zhou, W. G., Min, H., Hu, B., Ma, X. C., Liu, Y. H., Wang, Q., Shi, J. Chen, P., Puan, R. 2013. Filamentous Fungi Assisted Bio-flocculation: a Novel Alternative Technique for Harvesting Heterotrophic and Autotrophic Microalgal Cells. *Separation and Purification. Technology*, 107: 158-165.
122. Zittelli, G.C.,Rodolfi, L., Biondi, N., Tredici, M.R. 2006. Productivity and photosynthetic efficiency of outdoor cultures of *Tetraselmis suecica* in annular columns. *Aquacultures*, 261: 932-943.