

DAFTAR PUSTAKA

- Anonim, 2017, *Arthospira platensis*, https://microbewiki.kenyon.edu/index.php/Arthospira_platensis (diakses pada 22 Mei 2017).
- Anonim, 2017, Biofuels from algae, <http://www.climatechwiki.org/technology/algae> (diakses pada 6 Desember 2017).
- Barreiro, D. L., Prins, W., Ronsse, F., and Brilman, W., 2013, "Hydrothermal Liquefaction (HTL) of Microalgae for Biofuel Production: State of the Art Review and Future Prospects", *Biomass Bioenerg*, 53, 113–127.
- Basu, P., 2013, "Biomass Gasification, Pyrolysis, and Torrefaction: Practical Design and Theory", Elsevier Inc., London, 65–96.
- Chaiwong, K., Kiatsiriroat, T., Vorayos, N and Thararax, C., 2012, "Biochar production from freshwater algae by slow pyrolysis", *Maejo Int. J. Sci. Technol.*, 6(02), 186-195.
- Chiaromonti, D., Prussi, M., Buffi, M., Rizzo, A. M., and Pari, L., 2017, "Review and Experimental Study on Pyrolysis and Hydrothermal Liquefaction of Microalgae for Biofuel Production", *Appl. Energy*, 185, 963–972.
- Christwardhana, M., Nur, M.M.A., and Hadiyanto, 2013, "Spirulina platensis: Potensinya Sebagai Bahan Pangan Fungsional.", *Jurnal Aplikasi Teknologi Pangan (JATP)*, 2(1), 1–4.
- Demirbas, A., 2008, "Biofuels Sources, Biofuel Policy, Biofuel Economy, and Global Biofuel Projections", *Energy Conver. Manage.*, 49, 2106–2116.
- Dimitriadis, A. and Bezergianni, S., 2017, "Hydrothermal liquefaction of various

biomass and waste feedstocks for biocrude production: A state of the art review”, *Renew. Sust. Energy. Rev.*, 68, 113-125.

Elbehri, A., Segerstedt, A., and Liu, P., 2013, “Biofuels and Sustainability Challenge: A Global Assessment of Sustainability Issues, Trends, Policies, For Biofuels and Related Feedstocks”, Food and Agriculture Organization of The United Nations, Rome, 37.

Huang, Y., Chen, Y., Xie, J., Liu, H., Yin, X., and Wu, C., 2016, "Bio-oil Production from Hydrothermal Liquefaction of High-Protein High-ash Microalgae Including Wild Cyanobacteria sp. and Cultivated Bacillariophyta sp.", *Fuels*, 183, 9–19.

Gai, C., Zhang, Y., Chen, W.T., Zhang, P., and Dong, Y., 2015, “An investigation of reaction pathways of hydrothermal liquefaction using *Chlorella pyrenoidosa* and *Spirulina platensis*”, *Energy Conv. Manag.*, 96, 330–339.

Johnson, M. C., 2012, “Hydrothermal Processing of High-Lipid Biomass to Fuels”, Massachusetts Institute of Technology's Dissertation, hlm 84.

Levenspiel, O., 1999, “Chemical Reaction Engineering, 3rd Ed.”, John Wiley & Sons, New York, hlm. 27.

Pearce, M., Shemfe, M., and Sansom, C., 2016, "Techno-economic Analysis of Solar Integrated Hydrothermal Liquefaction of Microalgae", *Appl. Energy*, 166, 19–26.

Ramirez, J. A., Brown, R. J., and Rainey, T. J., 2015, "A Review of Hydrothermal Liquefaction Bio-crude Properties and Prospects for Upgrading to Transportation Fuels", *Energies*, 8(7), 6765–6794.

- Remón, J., Arauzo, J., Garcia, L., Arcelus-Arrillaga, P., Millan, M., Suelves, I., and Pinilla, J. L., 2016, "Bio-oil Upgrading in Supercritical Water Using Ni-Co Catalysts Supported on Carbon Nanofibres", *Fuel Process. Technol.*, 154, 178–187.
- Simanungkalit, S.P., Mansur, D. dan Fitriady, M.A., 2016, "Hydrothermal Liquefaction Limbah Distilasi Bioetanol Generasi-2", *Reaktor.*, 16(2), 49–56.
- Tan, C.H., Show, P.L., Chang, J., Ling, T.C., and Lan, J.C., 2015, "Novel Approaches of Producing Bioenergies from Microalgae : A Recent Review", *Biotechnol. Adv.*, 33, 1219-1227.
- Tang, X., Zhang, C., Li, Z., and Yang, X., 2016, "Element and Chemical Compounds Transfer in Bio-Crude from Hydrothermal Liquefaction of Microalgae", *Bioresour. Technol.*, 202, 8-14.
- Toor, S. S., Reddy, H., Deng, S., Hoffman, J., Spangsmark, D., Madsen, L.B., Holm-Nielsen, J. B., and Rosendahl, L.A., 2013, "Hydrothermal Liquefaction of *Spirulina* and *Nannochloropsis Salina* under Subcritical and Supercritical Water Conditions", *Bioresour. Technol.*, 131, 413-419.
- Valdez, P. J., Tocco, V. J., and Savage, P. E., 2014, "A General Kinetic Model for The Hydrothermal Liquefaction of Microalgae", *Bioresour. Technol.*, 163, 123-127.
- Vardon, D. R., Sharma, B. K., Scott, J., Yu, G., Wang, W., and Schideman, L., 2011, "Chemical Properties of Biocrude Oil from the Hydrothermal Liquefaction of *Spirulina* Algae, Swine Manure, and Digested Anaerobic Sludge.", *Bioresour. Technol.*, 102(17), 8295-8303.

Vo, T. K., Lee, O. K., Lee, E. Y., Kim, C. H., Seo, J. W., Kim, J., and Kim, S. S., 2016, "Kinetics Study of the Hydrothermal Liquefaction of the Microalga *Aurantiochytrium* sp. KRS101", *Chem. Eng. Journal.*, 306, 763-771.

Wiguna, E., 2009, *Spirulina* sp., <https://ekawiguna.wordpress.com/2009/12/13/spirulina-sp/> (diakses 22 Mei 2017).

Zhang, J., Zhang, Y., and Luo, Z., 2014, "Hydrothermal Liquefaction of *Chlorella pyrenoidosa* in Ethanol-Water for Bio-crude Production", *Energy Procedia*, 61, 1961–1964.