DAFTAR PUSTAKA

Ajijah, N., Tjandra, B. C., Hamidah, U., Widyarani, and Sintawardani, N. 2020. Utilization of tofu wastewater as a cultivation medium for *Chlorella vulgaris* and *Arthrospira platensis*. *IOP Conference Series: Earth and Environmental Science*, 483(1): 012027.

Alyaniazy, S. 2023. Teknik Kultur Fitoplankton *Chlorella Vulgaris* sebagai Pakan Alami ikan Kerapu Cantang. *JFMR-Journal of Fisheries and Marine Research*, 7(3).

Aulia, A. E., Maimunah, Y., and Suprastyani, H. 2021. Penggunaan Ekstrak Daun Lamtoro (*Leucaena leucocephala*) Sebagai Pupuk Dengan Salinitas yang Berbeda Terhadap Laju Pertumbuhan, Biomassa dan Klorofil-A pada Mikroalga *Chlorella Vulgaris*. *JFMR (Journal of Fisheries and Marine Research)*, 5(1): 47–55.

Beijerinck, M. W. 1890. Culturversuche mit Zoochlorellen, Lichen-Engonidien und Anderen Niederen Algen I–III. *Botanische Zeitung*, : 726–740.

Bišová, K., and Zachleder, V. 2014. Cell-cycle regulation in green algae dividing by multiple fission. *Journal of Experimental Botany*, 65(10): 2585–2602.

Boroh, R., Litaay, M., Umar, M. R., and Ambeng, A. 2019. Pertumbuhan *Chlorella* sp. pada beberapa kombinasi media kultur. *BIOMA: Jurnal Biologi Makassar*, 4(2): 129–137.

Dewi, D., and Bakhtiar, B. 2022. Pemanfaatan Limbah Cair Tahu Terhadap Pertumbuhan Bayam Merah (*Alternantera amoena Voss*) Secara Hidroponik. *JUSTER: Jurnal Sains Dan Terapan*, 1(1): 21–27.

Dian, E. S., Az-Zahra, S. R., Taufiq, A., Rukmana, M. D., and Putri, S. D. E. 2024. Pemanfaatan Limbah Cair Tahu sebagai Alternatif Produksi Pupuk Cair dengan Teknik Fermentasi Anaerob.

Dianursanti, Rizkytata, B. T., Gumelar, M. T., and Abdullah, T. H. 2014. Industrial Tofu Wastewater as a Cultivation Medium of Microalgae *Chlorella vulgaris*. *Energy Procedia*, 47: 56–61.

Elystia, S., Nasution, F. H. M., and Sasmita, A. 2023. Rotary Algae Biofilm Reactor (RABR) using microalgae *Chlorella* sp. for tofu wastewater treatment. *Materials Today: Proceedings*, 87: 263–271.

Fekete, G., Sebők, A., Klátyik, S., Varga, Z. I., Grósz, J., Czinkota, I., Székács, A., and Aleksza, L. 2024. Comparative Analysis of Laboratory-Based and Spectroscopic Methods Used to Estimate the Algal Density of *Chlorella vulgaris*. *Microorganisms*, 12(6): 1050.

Hashmi, Z., Bilad, M. R., Fahrurrozi, Zaini, J., Lim, J. W., and Wibisono, Y. 2023. Recent Progress in Microalgae-Based Technologies for Industrial Wastewater Treatment. *Fermentation*, 9(3): 1–25.

Herdhiansyah, D., Reza, Sakir, and Asrian. 2022. Kajian Proses Pengolahan Tahu: Studi Kasus Industri Tahu di Kecamatan Kabangka Kabupaten Muna. In *AGRITECH* (Issue 2). Universitas Muhammadiyah Kendari.

Hikmah, N. 2016. Pengaruh Pemberian Limbah Tahu Terhadap Pertumbuhan Dan Hasil Tanaman Kacang Hijau (*Vigna radiata* L). *Agrotropika Hayati*, 3(2): 46–52.

Hulu, F. I., Siswoyo, B. H., and Syafitri, E. 2023. Pemanfaatan Kotoran Burung Puyuh dan Pupuk Organik Guano terhadap Populasi serta Kepadatan Sel *Spirulina* sp. *Jurnal Aquaculture Indonesia*, 3(1): 52–63.

Ji, L., Ge, Q., Li, Y., Gao, Y., and Xie, S. 2021. A comparative study of the growth and nutrient removal effects of five green microalgae in simulated domestic sewage. *Water (Switzerland)*, 13(24).

Juariah, S., and Puspa Sari, W. 2018. Pemanfaatan Limbah Cair Industri Tahu Sebagai Media Alternatif Pertumbuhan *Bacillus* sp.

Kamolrat, N., Kamuang, S., Khamket, T., Sangmek, P., and Sitthaphanit, S. 2023. The Effect of Optimum Photoperiod from Blue LED Light on Growth of *Chlorella Vulgaris* in Photobioreactor Tank. *Natural and Life Sciences Communications*, 22.

Kurniawan, E., Ginting, Z., and Nurjannah, P. 2017. Pemanfaatan Urine Kambing Pada Pembuatan Pupuk Organik Cair Terhadap Kualitas Unsur Hara Makro (NPK).

Lee, S. Y., and Stuckey, D. C. 2022. Separation and biosynthesis of value-added compounds from food-processing wastewater: Towards sustainable wastewater resource recovery. In *Journal of Cleaner Production* (Vol. 357). Elsevier Ltd.

Ma, X., and Jian, W. 2023. Growth Conditions and Growth Kinetics of *Chlorella Vulgaris* Cultured in Domestic Sewage. *Sustainability*, 15(3): 2162.

Mahadi, I., Manulang, D., Solfan, B., Kasim Riau, S., and Soebrantas KM, J. H. 2023. Pemanfaatan Pupuk Organik Cair Limbah Cair Tahu Terhadap Pertumbuhan Selada Merah (*Lactuca sativa L var. Red*) dengan Teknik Hidroponik Sistem Rakit Apung. *Jurnal Agroteknologi*, 13(2): 69–76.

Muhammad Maulana, P., Karina, S., Mellisa, S., Studi, P., Perairan, B., Perikanan, K., Syiah Kuala, U., Darussalam, B. A., Kelautan, I., Syiah, U., Darussalam, K., and Aceh, B. 2017. Pemanfaatan Fermentasi Limbah Cair Tahu Menggunakan EM4 Sebagai Alternatif Nutrisi Bagi Mikroalga *Spirulina* sp. *Jurnal Ilmiah Mahasiswa Kelautan Dan Perikanan Unsyiah*, 2(1): 104–112.

Oktaviani, D. 2016. Pengaruh Kadar Nitrat terhadap Pertumbuhan dan Kadar Lipid Mikroalga *Melosira* sp. sebagai Tahap Awal Produksi Biofuel. Universitas Negeri Jakarta.

Palikrousis, T. L., Manolis, C., Kalamaras, S. D., and Samaras, P. 2024. Effect of Light Intensity on the Growth and Nutrient Uptake of the Microalga *Chlorella sorokiniana* Cultivated in Biogas Plant Digestate. *Water (Switzerland)*, 16(19).

Phibunwatthanawong, T., and Riddech, N. 2019. Liquid organic fertilizer production for growing vegetables under hydroponic condition. *International Journal of Recycling of Organic Waste in Agriculture*, 8(4): 369–380.

Sabra, W., Wang, W., Surandram, S., Groeger, C., and Zeng, A.-P. 2016. Fermentation of mixed substrates by *Clostridium pasteurianum* and its physiological, metabolic and proteomic characterizations. *Microbial Cell Factories*, 15(1): 114.

Selvarajan, R., Osunmakinde, C. O., Sibanda, T., Ashafa, A., and Elumalai, S. 2021. Biofuels from Microalgae: Future Bio-Energies for Sustainable Development. In *Phycobiotechnology* (pp. 109–140). Apple Academic Press.

Shen, X., Xu, Y., Yin, L., Cheng, J., Yin, D., Zhao, R., Dai, Y., Hu, X., Hou, H., Qian, K., Pan, X., and Liu, Y. 2022. Tofu Whey Wastewater as a Beneficial Supplement to Poultry Farming: Improving Production Performance and Protecting against *Salmonella* Infection. *Foods*, 12(1): 79.

Simatupang, D. F., Candra, S. D., Lestari, M., Sondakh, R. C., and Amini, Z. 2022. Pengantar Bioteknologi. *Galiono Digdaya Kawthar*, : 91.

Soedibya, P. H. T., Pramono, T. B., Sukardi, P., Kusuma, B., Marnani, S., Fitriadi, R., and Aditama, T. 2021. Tofu wastewater industry with urea fertilizer as a cultivation medium for the microalga *Spirulina plantensis*. *IOP Conference Series: Earth and Environmental Science*, 746(1).

Spalvins, K., Ivanovs, K., and Blumberga, D. 2018. Single cell protein production from waste biomass: Review of various agricultural by-products. *Agronomy Research*, 16: 1493–1508.

Stratigakis, N. C., Nazos, T. T., Goumenaki, M., Tsolakidi, A., Spantidaki, M., Lagouvardou-Spantidaki, A., and Demetrios F. Ghanotakis. 2025. Growth performance and adaptability of an EPS-producing *Chlorella* strain in cheese whey with high and low salinity: prospects for the sustainable production of microalgal biomass. *Journal of Applied Phycology*, 37(3): 1777–1794.

Sutrisno, A., Ratnasari, E., and Fitrihidajati, H. 2015. Fermentasi Limbah Cair Tahu Menggunakan EM4 Sebagai Alternatif Nutrisi Hidroponik dan Aplikasinya pada Sawi Hijau (*Brassica juncea var. Tosakan*). *Lentera Bio*, 4(1): 56–63.

Thiviyanathan, V. A., Ker, P. J., Amin, E. P. P., Tang, S. G. H., Yee, W., and Jamaludin, M. Z. 2023. Quantifying Microalgae Growth by the Optical Detection of Glucose in the NIR Waveband. *Molecules*, 28(3): 1318.

Ummalyma, S. B., Sirohi, R., Udayan, A., Yadav, P., Raj, A., Sim, S. J., and Pandey, A. 2023. Sustainable microalgal biomass production in food industry wastewater for low-cost biorefinery products: a review. *Phytochemistry Reviews*, 22(4): 969–991.

Vázquez-Fernández, A., Suárez-Ojeda, M. E., and Carrera, J. 2025. Exploring the Effects of Substrate Composition on Acidogenic Fermentation of Carbohydrate-Protein Mixtures. *Waste and Biomass Valorization*,.

Wibowo, D., Nadi, A. A., and Ndibale, W. 2025. Pemanfaatan Limbah Cair Tahu menjadi Biogas: Optimasi Laju Pertumbuhan Bakteri Dalam Produksi Gas HCHO dan TVOC.

Widyarani, Butar Butar, E. S., Dara, F., Hamidah, U., Sriwuryandari, L., Hariyadi, H. R., and Sintawardani, N. 2019. Distribution of protein fractions in tofu whey wastewater and its potential influence on anaerobic digestion. *IOP Conference Series: Earth and Environmental Science*, 277(1).

Yulita, E. 2014. Pemanfaatan Limbah Cair Industri Karet Remah Sebagai Media Pertumbuhan *Chlorella Vulgaris* Untuk Pakan Alami Ikan. *Jurnal Dinamika Penelitian Industri*, 25(1).

Zhang, D., An, S., Yao, R., Fu, W., Han, Y., Du, M., Chen, Z., Lei, A., and Wang, J. 2022. Life cycle assessment of auto-tropically cultivated economic microalgae for final products such as food, total fatty acids, and bio-oil. *Frontiers in Marine Science*, 9.