

## DAFTAR PUSTAKA

1. Agustina, S.; Herman, S.: Potensi Mikroalga sebagai Bahan Kimia ADI. *Portal Kimia dan Kemasan* 2016, 3 (1), 122-130.
2. Dianursanti; Taurina, Z.; Indraputri, C.M.: Optimization Growth of *Spirulina platensis* in Bean Sprouts Extract Medium with Urea Fertilizer for Phycocyanin Production as Antioxidant. *AIP Convergence Proceedings* 2018, 1933 (1), 1-6.
3. Manirafasha, E.; Murwanashyaka, T.; Ndikubwimana, T.; Ahmed, N.R.; Liu, J.; Lu, Y.; Zeng, X.; Ling, X.; Jing, K.: Enhancement of Cell Growth and Phycocyanin Production in *Arthrospira (Spirulina) platensis* by Metabolic Stress and Nitrate Fed-Batch. *Bioresource Technology* 2018, 255, 293-301.
4. Madkour, F.F.; Kamil, A.E.; Nasr, H.S.: Production and Nutritive Value of *Spirulina platensis* in Reduced Cost Media. *Egyptian Journal of Aquatic Research* 2012, 38, 51-57.
5. Bashir, S.; Sharif, M.K.; Butt, M.S.; Shahid, M.: Functional Properties and Amino Acid Profile of *Spirulina platensis* Protein Isolates. *Pakistan Journal of Scientific and Industrial Research Series B: Biological Sciences* 2016, 59 (1), 12-19.
6. Chia, S.R.; Chew, K.W.; Leong, H.Y.; Manickam, S.; Show, P.L.; Nguyen, T.H.P.: Sonoprocessing-assisted Solvent Extraction for the Recovery of Pigment Protein Complex from *Spirulina platensis*. *Chemical Engineering Journal* 2020, 398, 1-10.
7. Choi, W.Y.; Lee, H.Y.: Effect of Ultrasonic on Production and Structural Changes of C-Phycocyanin from Marine *Spirulina maxima*. *International Journal of Molecular Sciences* 2018, 19 (1), 1-11.
8. Sukumaran, P.; Nulit, R.; Halimoon, N.; Simoh, S.; Omar, H.; Ismail, A.: Formulation of Cost-effective Medium Using Urea as a Nitrogen Source for *Arthrospira platensis* Cultivation under Real Environment. *Annual Research & Review in Biology* 2018, 22 (2), 1-12.
9. Amanatin, D.R.; Nurhidayati, T.: Pengaruh Kombinasi Konsentrasi Media Ekstrak Tauge (MET) dengan Pupuk Urea terhadap Kadar Protein *Spirulina* sp. *Journal Sains dan Seni Pomits* 2013, 2 (2), 182-185.
10. Morais, M.G.; Vaz, B.D.; Morais E.G.; Costa, J.: Biologically Active Metabolites Synthesized by Microalgae. *Biomed Research International* 2015, 1-15.
11. Ma, C.Y.; Zhao, J.M.; Liu, L.H.: Experimental Study of the Temporal Scaling Characteristics of Growth-dependent Radiative Properties of *Spirulina*

- platensis*. *Journal of Quantitative Spectroscopy and Radiative Transfer* 2018, 217, 453-458.
12. Pereira, M.I.B.; Chagas, B.M.E.; Sassi, R.; Medeiros, G.F.; Aguiar, E.M.; Borba, L.H.F.; Silva, E.P.E.; Neto, J.C.A.; Rangel, A.H.N.: Mixotrophic Cultivation of *Spirulina platensis* in Dairy Wastewater: Effects on the Production of Biomass, Biochemical Composition and Antioxidant Capacity. *PLoS ONE* 2019, 14, 1-17.
  13. Ak, B.; Avsaroglu, E.; Isik, O.; Ozyurt, G.; Kafkas, E.; Etyemez, M.; Uslu, L.: Nutritional and Physicochemical Characteristics of Bread Enriched with Microalgae *Spirulina platensis*. *International Journal of Engineering Research and Application* 2016, 6 (12), 30-38.
  14. Utomo, N.B.P.; Winarti; Erlin, A.: Pertumbuhan *Spirulina platensis* yang Dikultur dengan Pupuk (Urea, TSP dan ZA) dan Kotoran Ayam. *Journal Akuakultur Indonesia* 2005, 4 (1), 41-48.
  15. Caturwati, L.N.; Setyati, R.H.: Optimization of *Spirulina* sp. Growth in Walne Media with Variation of Urea and NaHCO<sub>3</sub> Supplements. *Journal of Tropical Biodiversity and Biotechnology* 2020, 5 (1), 53-58
  16. Sukadarti, S.; Murni, S.W.; Nur, M.M.A.: Peningkatan Phycocyanin pada *Spirulina platensis* dengan Media Limbah Virgin Coconut Oil pada Photobioreactor Tertutup. *Eksergi* 2016, VIII (2), 1-6.
  17. Guroy, B.; Karadal, O.; Mantoglu, S.; Cebeci, O.I.: Effects of Different Drying Methods on C-Phycocyanin Content of *Spirulina platensis* Powder. *Ege Journal of Fisheries and Aquatic Sciences* 2017, 34 (2), 129-132.
  18. Ilter, I.; Akyil, S.; Demirel, Z.; Koc, M.; Conk-Dalay, M.; Kaymak-Ertekin, F.: Optimization of Phycocyanin Extraction from *Spirulina platensis* Using Different Techniques. *Journal of Food Composition and Analysis* 2018, 70, 78-88.
  19. Purnamayanti, L.; Dewi, E.N.; Kurniasih, R.A.: Karakteristik Fisik Mikrokapsul Fikosianin *Spirulina* pada konsentrasi Bahan Penyalut yang Berbeda. *Jurnal Teknologi Hasil Pertanian* 2016. IX (1), 1-8.
  20. Zheng, J.; Inoguchi, T.; Sasaki, S.; Maeda, Y.; McCarty, M.F.; Fuji, N.I.; Kobayashi, K.; Sonoda, N.; Takayangi, R.: Phycocyanin and Phycocyanobilin from *Spirulina platensis* Protect Against Diabetic Nephropathy by Inhibiting Oxidative Stress. *American Journal of Physiology* 2013, 304 (2), 110-120.
  21. Rahmawati; Hidayatulloh; Suprayatmi: Ekstraksi Fikosianin dari *Spirulina platensis* sebagai Biopigmen dan Antioksidan. *Jurnal Pertanian* 2017, 8, 36-45.

22. Hinai, M.A.; Kalbani, A.L.; Rubkhi, B.A.; Kalbani, U.A.; Walke, S.: Protein Extraction from *Spirulina platensis*. *International Journal of Innovative Technology and Exploring Engineering* 2019, 8, 1524-1530.
23. Putri, R.A.: Pengaruh Penambahan Fitohormon 6-Benzil Amino Purin (BAP) dan Vitamin C untuk Meningkatkan Produksi Protein pada Mikroalga *Chlorella vulgaris*. Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Andalas, Padang.
24. Kurniawati, R.; Praharyawan, S.; Panji, T.: Optimasi Nisbah Natrium Nitrat: Urea dan Konsentrasi Nitrogen pada Kultivasi *Spirulina platensis* untuk Produksi Protein dan Pigmen Fikosianin. *Menara Perkebunan* 2020, 88, (2), 130-140.
25. Rizal, M.A.; Yeasmin, F.; Hossain, M.A.; Akter, T.; Rahman, M.M.: Replacement of Sodium Nitrate in Kosaric Medium with Urea for Culture of *Spirulina platensis*. *International Journal of Fisheries and Aquatic Studies* 2017, 5 (3), 403-408.
26. Mulokozi, D.P.L.; Mtolera, M.S.P.; Mmochi, A.J.: Biomass Production and Growth Performance of Momela Lake's *Spirulina (Arthrospira) fusiformis* Cultured Under Urea and N: P: K Fertilizer as Cheaper Nitrogen Sources. *International Journal of Biological and Chemical Sciences* 2019, 13, 861-869.
27. Adharani, N.; Citra, S.C.; Hidayat, N.B.; Susanto, A.H.; Saputra, A.: Modification of Bean Sprout and Urea Media to *Spirulina platensis* Culture. *Food Technology* 2017, 107-110.
28. Putri, M.P.; Syukur, S.; Chaidir, Z.: Penggunaan Sumber Nitrogen terhadap Kandungan Protein dan Asam Amino pada Mikroalga *Spirulina platensis*. *Jurnal Kimia Unand* 2015, 4 (2), 11-17.
29. Chrismadha, T.; Panggabean, L.M.; Mardiaty, Y.: Pengaruh Konsentrasi Nitrogen dan Fosfor terhadap Pertumbuhan, Kandungan Protein, Karbohidrat dan Fikosianin pada Kultur *Spirulina fusiformis*. *Berita Biology* 2006, 8, 163-169.
30. Ulya, S.; Sedjati, S.; Yudiati, E.: Kandungan Protein *Spirulina platensis* pada Media Kultur dengan Konsentrasi Nitrat ( $\text{KNO}_3$ ) yang Berbeda. *Buletin Oseanografi Marina* 2018, 7 (2), 98-102.