

DAFTAR ACUAN

- [1] Vashista, B.R., *Botany for Degree Students:Algae*, S.Chand & Company Ltd., New Delhi, 1999.
- [2] Daniel Wong, *Primary Process of Oxygen-Evolving Photosynthesis*, Biological Events Probed by Ultrafast Laser Spectroscopy, Academic Press, New York, pp.3-25, 1982.
- [3] Jeremy D. Picket, *Green Algae: Structure, Reproduction & Evolution in the Genera*, Sinauer Ass.Inc., Massachusetts, 1975.
- [4] D.M. John, B.A. Whitton & A.J. Brook, *The Fresh Water Algal Flore of The British Isles*, Cambridge Univ.Press., Cambridge, 2002.
- [5] Tassan S and Ferrari G, "Measurement of light absorption by aquatic particles retain on filters: determination of the optical pathlength amplification by the ‘transmittance-reflectance’ method, *Journal of Plankton Research* 20, pp.1699-1709, 1998.
- [6] Pech-Pacheco J.L., Alvarez-Borrego J., "Diffraction Pattern Applicability in The Identification of Ceratium Species", *J. of Plankton Research*, Vol.21, 8, pp.1455-1474, 1999.
- [7] Mac Callum I., Cunningham A. and McKee D., "The Measurement and modeling of light scattering by phytoplankton cells at narrow forward angles", *J. Opt. A: Pure appl. Opt.* 6, pp.698-702, 2004.
- [8] Malkiel E. et al., "Measurements of plankton distribution in ocean using submersible holography", *Meas. Sci. Technology*. 10, 1142-1152, 1999.
- [9] M. Vitova, et al., "Visualization of DNA Containing Structures in Various Species of Chlorophyta, Rhodophyta, and Cyanophyta Using SYBR Green I Dye, *Folia Microbiol.* 50(4), pp.333-340, 2005.
- [10] André, J.M.,et al., "Picophytoplankton dynamics in the equatorial Pacific: Growth and grazing rates from cytometric counts", *Journal of Geophysical Research*, 104: 3369-3380, 1999.
- [11] Robert J.O. et.al., "Phytoplankton Photosynthetic Charatheristics From Fluorescence Induction Assays of Individual Cells, *Limnol. Oceanogr.*, 41(6), pp.1253-1263, American Society of Limnology and Oceanography, 1996.
- [12] Ucuk Darusalam., "Pengukuran Konsentrasi Fitoplankton Dengan Metoda Fluoresensi, Studi Kasus: *Chlorella* sp." Tesis, Departemen Teknik Elektro FT UI, 2008.
- [13] Retno Wigajatri P et.al, "Karakteristik Absorbansi Cahaya Chlorella spp.", *Jurnal Fisika*, Himpunan Fisika Indonesia, 2002.
- [14] Joseph R. Lakowicz, *Principles of Fluorescence Spectroscopy*, Third Edition Springer, Singapore, 2006.
- [15] Bernard Valeur, *Molecular Fluorescence Principles and Applications*, Weinheim, Wilwy Verlag, Weinheim,Germany, 2002.

- [16] Joseph R. Lakowicz, *Topics in Fluorescence Spectroscopy, Volume 1 Techniques*, Kluwer Academic, NY, 2002.
- [17] Retno W.P., "Sensor Optik Untuk Mengukur Konsentrasi Phytoplankton, Dengan Obyek Kajian *Chlorella spp.*", Disertasi, Departemen Teknik Elektro FT UI, 2006.
- [18] Sebastian Steigenberger, Frank Terjung, Hans-Peter Grossart and Rainer Reuter, "Blue Fluorescence of NADPH as an Indicator of Marine Primary Production, *EARSel eProceedings*, 3, 1, pp.18-24. 2004.
- [19] Robert C. Dunn et al., "Near Field Fluorescence Imaging and Lifetime Measurements of Light Scattering Harvesting Complexes in Intact Photosynthetic Membranes", *Journal of Phys. Chem.*, 98, pp.3094-3098, 1994.
- [20] S. Patsayeva, V. et al., "Variation of The UV to Blue Fluorescence Ratio For Organic Matter in Water Under Conditions of Fluorescence Saturation", , Dresden/FRG, June 16 – 17, *Proceedings of EARSel-SIG-Workshop LIDAR*, 2000.
- [21] Ronald Steffen, "Time-resolved spectroscopic investigations of photosystem II", Dissertation, Von der Fakultät II – Mathematik und Naturwissenschaften der Technischen Universität Berlin, Berlin, December 2003.
- [22] Yuzeir Zeinalov, Liliana Maslenkova, "On The Action Spectra of Photosynthesis And Spectral Dependence of The Quantum Efficiency, *Bulg. J. Plant Physiol.*, 26(1–2), pp.58–69, 2000.
- [23] M. Anwar Nur, Hendra Adjuana, "Teknik Spektroskopi dalam Analisa Biologis" Departement Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat antara Universitas Ilmu Hayat IPB, 1989.

DAFTAR PUSTAKA

- A.B.M. Sharif Hossain, et al., "Biodiesel Fuel Production from Algae as Renewable Energy", *American Journal of Biochemistry and Biotechnology*, 4(3), pp.250- 254, 2008.
- Allan Pantecost, Introduction to Freshwater Algae, Richmond Pub., England, 1984.
- Andrea E.A, James E.Cloern, "Differences in in-vivo fluorescence yield between three phytoplankton size classes", *Journal of Plankton Research*, Volume 7 No.3, pp.381-390, 1985.
- André, J.-M., C. Navarette, J. Blanchot, and M.-H. Radenac, "Picophytoplankton dynamics in the equatorial Pacific: Growth and grazing rates from cytometric counts", *Journal of Geophysical Research*, 104: 3369-3380, 1999.
- Armin Hallmann, "Algal Transgenics and Biotechnology", *Transgenic Plant Journal* 1(1), Global Science Books, pp.81-98, 2007.
- Bernard Valeur, Molecular Fluorescence Principles and Applications, Weinheim,Wiley-VCH Verlag, Weinheim, Germany, 2002.
- Cowles T.J., Desiderio R.A.,Neuer S., "in situ characterization of phytoplankton form vertical profiles of fluorescence emission spectra", *Marine Biology*, Vol.115,Pp. 217-222, 1993.
- Daniel Wong, *Primary Process of Oxygen-Evolving Photosynthesis*, Biological Events Probed by Ultrafast Laser Spectroscopy, Pp.3-25, Academic Press, New York, 1982.
- D.M. John, B.A. Whitton & A.J. Brook, *The Fresh Water Algal Flore of The British Isles*, Cambridge Univ.Press., Cambridge 2002.
- Edward P.K and Robert W.K, "Absorption and Toxicity of Beryllium and Lithium in Chlorella vannielil Shihira and Krauss", *Chesapeake Science*, Vol. 13, No. 4, p. 245-253, December 1972.
- Edward V. Browell, "Analysis of Laser Fluorosensor Systems for Remote Algae Detection and Quantification, National Aeronautics and Space Administration, Washington, D.C. June 1977.
- Gordon W. F. Drake (Ed.), Springer Handbooks of Atomic, Molecular, and Optical Physics, Springer Science+Business Media, Inc., Germany, 2006.
- Harold C. Bold & Michael J.Wayne,*Introduction to the Algae:Structure & Reproduction*, 2ed., Prentice Hall, New Jersey, 1985.
- Hakim M., Abdullah A., Wahid Rasib, "Integration of Remote Sensing-GIS Technique for Mapping Sea Grass and Ocean Colour of Malaysian Coasts",
<http://www.gisdevelopment.net/arss/acrs/1997/ts7/ts7001.shtml/18/03/2005>.

- H. Kupper et al., "A Microscope for Two Dimensional Measurements of in-vivo Chlorophyll Fluorescence Kinetics Using Pulsed Measuring Radiation, Continous Actinic Radiation, and Saturating Flashes", *Journal of Photosynthetica*, 38(4):XXX-XXX, 2000.
- Jeremy D. Picket, *Green Algae: Structure, Reproduction & Evolution in the Genera*, Sinauer Ass.Inc., Massachusetts, 1975.
- Juliet Brodie, Jane Lewis, *Unraveling the algae; the past, present, and future of algal systematics*, CRC Press, New York, 2007.
- Joseph R. Lakowicz, Topics in Fluorescence Spectroscopy, Volume 1 Techniques Kluwer Academic Publisher, New York, 2002.
- Joseph R. Lakowicz, *Principles of Fluorescence Spectroscopy*, Third Edition Springer, Singapore, 2006.
- Larisa Poryvkina, Sergey Babichenko and Aina Leebeen, "Analysis of Phytoplankton Pigments by Excitation Spectra of ", *Proceedings of EARSeL SIG-Workshop LIDAR*, Dresden/FRG, June 16 – 17, 2000.
- Mac Callum I., Cunningham A. and McKee D., "The Measurement and modeling of light scattering by phytoplankton cells at narrow forward angles", *J.Opt. A: Pure appl. Opt.* 6, pp.698-702, 2004.
- Malkiel E., Alquaddoomi and Katz.J. "Measurements of plankton distribution in ocean using submersible holography", *Meas.Sci. Technology*. 10, 1142-1152, 1999.
- M. Vitova,J.Hendrychova,V.Cepak,V.Zachleder, "Visualization of DNA Containing Structures in Various Species of Chlorophyta, Rhodophyta, and Cyanophyta Using SYBR Green I Dye,*Folia Microbiol.*50(4), 333-340, 2005.
- M. Roldan, F. Oliva, M. A. Gonzalez del Valle,C. Saiz-Jimenez, and M. ernandez-Marine, Does Green Light Influence the Fluorescence Properties and Structure of Phototrophic Biofilms?, *App. and Env. Microbiol.*, pp. 3026–3031, Apr. 2006.
- Nathalie Simon et al., "Fluorescent In Situ Hybridization with rRNA Targeted Oligonucleotide Probes to Identify Small Phytoplankton by Flowcytometry", *J. Applied and Environmental Microbiology*, pp.2506-2513, July, 1995.
- Pech-Pacheco J.L., Alvarez-Borrego J., "Diffraction Pattern Applicability in The Identification of Ceratium Species", *J. of Plankton Research*, Vol.21, 8, pp.1455-1474, 1999.
- Pegau, W.S., D. Gray, and J.R.V. Zaneveld, "Absorption and attenuation of visible and near-infrared light in the water: Dependence on temperature and salinity", *Appl. Opt.* 36: 6035-6046, 1997.
- Retno Wigajatri P et.al, "Karakteristik Absorbansi Cahaya Chlorella spp.", *Jurnal Fisika*, Himpunan Fisika Indonesia, 2002.

- Retno Wigajatri P et.al, "Optical Absorbance of Chlorella spp. in Connection With Culture Age", *Proceeding of International Conference on Optoelectronics and Laser Application ICOLA 02*, PS. Opto-EAL FT UI, Jakarta, 2002.
- Retno W.P., "Sensor Optik Fitoplankton secara In Situ", Disertasi, Departemen Teknik Elektro FT UI, 2006.
- Retno Wigajatri P, Andrianto Handojo, H. Kurniawan, and Sardy S., "Optical sensor for the measurement of phytoplankton concentration", *Proceedings of Indonesia-Japan Joint Scientific Symposium*, Chiba, Jepang, 2004.
- Robert C. Dunn et al., "Near Field Fluorescence Imaging and Lifetime Measurements of Light Scattering Harvesting Complexes in Intact Photosynthetic Membranes", *Journal of Phys.Chem.*, 98, pp.3094-3098, 1994.
- Robert J.O. et.al., "Phytoplankton Photosynthetic Characteristics From Fluorescence Induction Assays of Individual Cells", *Limnol. Oceanogr.*, 41(6), pp.1253-1263, American Society of Limnology and Oceanography, 1996.
- Ronald Steffen, *Time-resolved spectroscopic investigations of photosystem II*, Dissertation, Von der Fakultät II – Mathematik und Naturwissenschaften der Technischen Universität Berlin, Berlin, December 2003.
- Robert J. Olson, Alexander M. Chekalyuk, and Heidi M. Sosik, "Phytoplankton photosynthetic characteristics from fluorescence induction assays of individual cells", *Limnol. Oceanogr.*, 41(6), pp.1253-1263, 1996.
- Sebastian S. et al., "Blue Fluorescence of NADPH as an Indicator of Marine Primary Production", *EARSel Proceeding*, 3, 2004.
- S. Ahmed, The Effect of Reabsorption of Chlorophyl Fluorescence and Elastic Scattering in Coastal Waters on The Efficacy of Retrieval Algorithms, The City College of the City University of New York, New York, 2007.
- Tassan S and Ferrari G, "Measurement of light absorption by aquatic particles retain on filters: determination of the optical pathlength amplification by the ‘transmittance-reflectance’ method", *Journal of Plankton Research* 20, pp.1699-1709, 1998.
- Gunady dkk., "Karakterisasi Sifat Optis Chlorella sp., Scenedesmus sp., dan Chlamydomonas sp. untuk Perancangan Detektor Fitoplankton dengan Teknik *Laser Induced Fluorescence (LIF)*", *Proceeding Seminar Nasional Aplikasi Fotonika 2008 (SNAF-08)*, Teknik Fisika ITS, Surabaya, 2008.
- Vashista, B.R., *Botany for Degree Students:Algae*, S.Chand & Company Ltd., New Delhi, 1999.
- Y. Song et al., Study of 660 nm Laser Induced Photoluminescence of Chlorophyll-a and Its Application", *Journal of Physics*, 48, pp.1488- 1496, 2006.

Yuzeir Zeinalov, Liliana Maslenkova, "On The Action Spectra of Photosynthesis And Spectral Dependence of The Quantum Efficiency, *Bulg. J. Plant Physiol.*, 26(1–2), pp.58–69, 2000.

M.Anwar Nur, Hendra Adijuana, "Teknik Spektroskopi dalam Analisa Biologis" Departement Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat antara Universitas Ilmu Hayat IPB, 1989

