

## DAFTAR PUSTAKA

- Agilent Technologies. 2001. *Basic of LC/MS Agilent*. USA. 5988-2045EN.
- Aguilar, M.I. 2008. Reversed-Phase High-Performance Liquid Chromatography. Pp 9-22 In: *HPLC of Peptides and Proteins: Methods and Protocols*. M.I. Aguilar (ed). Springer-Verlag. New York. Pp 395.
- Aitken, A. and M. P. Learmonth. 2008. Protein Determination by UV Absorption. The Protein Protocols Handbook, 2nd Edition. Humana Press Inc., Totowa.
- Amaral, A. C., O. N. Silva, N. C.C.R. Mundim, M. J.A. de Carvalho, L. Migliolo, J. R.S.A. Leite , M. V. Prates, A. L. Bocca, O. L. Franco, M. S.S. Felipe. 2012. *Predicting Antimicrobial Peptides from Eukaryotic Genomes: In Silico Dstrategies to develop Antibiotics*. *Peptides*. 37: 301–308.
- Anderson, R.A. 2005. *Algal Culturing Technique*. Elsevier Academic Press. London. 2005.
- Aneiros, A. and, Anoland Garateix. 2004. *Bioactive peptides from marine sources: pharmacological properties and isolation procedures*. *J. Chromatogr. B* 803: 41–53.
- Anggraini, Y. 2012. *Penapisan dan Karakterisasi Senyawa Antioksidan Actinomycetes yang Berasosiasi dengan Sponga*. Universitas Lampung. Bandar Lampung.
- Anindiastuti, H. A. Sarwono, dan A. Antoro. 2007. *Budidaya Zooplankton dan Fitoplankton*. Balai Besar Pengembangan Budidaya Laut Lampung. Padang Cermin.
- Antolovich, M., P. D. Prenzler, E. Patsalides, S. McDonald, and K. Robards. 2002. *Methods for Testing Antioxidant Activity*. *Analyst*. 127: 183–198.
- Barsanti, L. and P. Gualtieri. 2014. *Algae Anatomy, Biochemistry and Biotechnology Second Edition*. Taylor & Francis Group, the academic division of T&F Informa plc. 2014.

- Clarent, A.F, Resurreccion EP, White MA, Colosi LM. 2010. *Environmental life cycle comparison of algae to other bioenergy feedstocks*. Environ Sci Technol 2010;44:1813–9.
- Colegate, S. M. and R.J. Molyneux, 2009. *Bioactive Natural Product, Detection, Isolation and Structural Determination Second Edition*. CRC Press. Taylor and Francis Group. US. 2009.
- Eichhorn, P. and Knepper, T.P. 2001. *Electrospray ionization mass spectrometric studies on the amphoteric surfactant cocamidopropylbetaine*. J. Mass Spectrometry, **36**: 677-684.
- Gordon, M.H 1990. *The Mechanism of Antioxidants Action In Vitro*. Di dalam: B.J.F. Hudson, editor. *Food Antioxidants*. London: Elsevier Applied Science.
- Gutierrez, M., T.L. Suyama, N. Engene, J.S. Wingerd, T. Matainaho, W.H. Gerwick,. 2008. *Apratoxin D, a Potent Cytotoxic Cyclodepsipeptide from Papua New Guinea Collections of the Marine Cyanobacteria Lyngbya majuscula and Lyngbya sordida*. J. Nat. Prod. 71: 1099–1103.
- Harborne, J.B. 1984. *Metode Fitokimia: Penentuan Cara Modern Menganalisis Tumbuhan*. Alih bahasa oleh K. Padmawinata dan I. Soediro. Penerbit ITB. Bandung. 354 hlm.
- Hadiyanto, M. Christwardana, and D. Soetrisnanto. 2013. *Phytoremediation of Palm Oil Effluent Mill (POME) by Using Aquatic Plants and Microalgae for Biomass Production*. J. Env. Science and Technology 6 (2), 79-90 : 2013
- Henrikson, R. 2009. *Earth Food Spirulina*. Ronore Interprise Inc. USA.
- Hostettman, K., Hostettman, M dan Marston, A. 1995. *Cara Kromatografi Preparatif*. Alih Bahasa Kosasih Padmawinata. Penerbit ITB. Bandung. Hal. 1-38
- Hsu, C.P. S. 1994. *Infrared Spectroscopy*. Handbook of Instrumental Techniques for Analytical Chemistry.
- Huang, R.M., Ma. W., Jun-De.D., Xue-Feng.Z., Xu, T., Lee, K.J., Yang, X., Shi-Hai, X and Liu, Y. 2010. *A New 1,4-Diazepine from South China Sea Marine Sponge Callyspongia Species*. Molecules Journal, **15**: 871-877.
- Hunt, D. F., J. R. Yates, J. Shabanowitz, S. Winston, and C. R. Hauer. 1986. *Protein Sequencing By Tandem Mass Spectrometry*. Proc. Nati. Acad. Sci. Usa Vol. 83, Pp. 6233-6237.
- Johnson, E. L. dan R.Stevenson. 1991. *Dasar Kromatografi Cair*. Diterjemahkan oleh K.Padmawinata. Penerbit ITB. Bandung. 365 Hal.

- Jork, H., W. Funk, W. Fischer, and H. Wimmer. 1990. *TLC Reagents & Detection Methods – Physical & Chemical Detection Methods: Fundamentals, Reagents*, I, Vol. 1a
- Kawaroe, M., T. Prartono, A. Sunuddin, D. W. Sari, dan D. Augustine. 2010. *Mikroalga Potensi dan Pemanfaatannya Untuk Produksi Bio Bahan Bakar*. IPB Press. Bogor.
- Kazakevich, Y., and R. Lobrutto. 2007. *HPLC for Pharmaceutical Scientist*. Wiley Interscience A. John Willey and Son. New Jersey. 34 Hal.
- Khopkar, S.M. 2002. *Konsep Dasar Kimia Analitik*. Diterjemahkan oleh A.Saptorahardjo. Penerbit Universitas Indonesia. Jakarta. Hal.84-311
- Krishnamurthy, T., L. Szafraniec, D. F. Hunt, J. Shabanowitz, J. R. Yates, C. R. Hauer, W. W. Carmichael, O. Skulberg, G. A. Coggi, And S. Missler. 1989. *Structural Characterization Of Toxic Cyclic Peptides From Blue-Green Algae By Tandem Mass Spectrometry*. Proc. Nati. Acad. Sci. USA Vol. 86, pp. 770-774.
- Lam, M.K., and K. T. Lee. 2011. *Renewable and sustainable bioenergies production from palm oil mill effluent (POME): Win-win strategies toward better environmental protection*. Biotechnology Advances 29 (2011) 124–141
- Lehninger. 1998. *Dasar – Dasar Biokimia Jilid 1*. Penerbit Erlangga. Jakarta.
- Liang, L. 2003. *Investigation of Secondary Metabolites of North Sea Bacteria: Fermentation, Isolation, Structure Elucidation and Bioactivity*. Dissertation Institut für Organische Chemie der Universität. Gottingen.
- Nathaniel I. Martin, Haijing Hu, Matthew M. Moake, John J. Churey, Randy Whittal, Randy W. Worobo, and John C. Vederas. 2003. *Isolation, Structural Characterization, and Properties of Mattacin (Polymyxin M), a Cyclic Peptide Antibiotic Produced by Paenibacillus kobensis* M. The Journal Of Biological Chemistry Vol. 278, No. 15, Issue of April 11, pp. 13124–13132, 2003
- Maquelin, K., C. Kirschner, L.-P. Choo-Smith, N. v. d. Braak, H. P. Endtz, D. Naumann, & G. J. Puppels. 2002. *Identification of medically relevant microorganisms by vibrational spectroscopy*. J. Microbiol. Methods **2002**. 51, 255–271.
- Mbah, J.A., Ngemenya, M.N., Abawah, A.L., Babiaka, S.B., Nubed, L.N., Nyongbela, K.D., Lemuh, N.D. and Efange, S. M. 2012. *Bioassay-guided discovery of antibacterial agents: in vitro screening of Peperomia vulcanica, Peperomia fernandopoioana and Scleria striatinux*. Journal Annals Of Clinical Microbiology And Antimicrobials, **11**:10.

- Molyneux, P. 2004. *The Use Of The Stable Free Radical Dyhenylpicrylhydrazil (DPPH) For Estimating Antioxidant Activity. Journals science and technology: 26:211-219*
- Mooberry, S. L., R. M. Leal, T. L. Tinley, H. Luesch, R. E. Moore, T. H. Corbett. 2003. *The Molecular Pharmacology of Symplostatin 1: a New Antimitotic Dolastatin 10 Analog. Int. J. Cancer. 104: 512–521.*
- Nat, R. 1979. *Characterization Of Bacteria, Antibiotics Of The Fluoroquinolone Type And Their Biological Targets DNA And Gyrase Utilizing The Unique Potential Of Vibrational Spectroscopy.* Universität Jena. Erfurt.
- Richmond, Amos. 2004. *Handbook of Microalgal Culture : Biotechnology and Applied Phychology. Blackwell Science Ltd. 2004.*
- Richmond, A. and Emeritus. 2013. *Handbook of Microalgal Culture Applied Phycology and Biotechnology.* Wiley-Blackwell
- Rohman A, Riyanto S. 2005. *Daya antioksidan ekstrak etanol daun kemuning (Murraya paniculata (L) Jack) secara in-vitro.* Majalah Farmasi Indonesia 16(3):136-140.
- Samarakon, K. And Y. J. Jeon. 2012. *Bio-functionalities of proteins derived from marine algae — A review.* Food Research International 48 (2012) 948–960
- Sheih, I. C., T. J. Fang, T. K. Wu, and P. H. Lin. 2010. *Anticancer and Antioxidant Activities of the Peptide Fraction from Algae Protein Waste. J. Agric. Food Chem. 58: 1202–1207.*
- Silverstein, R.M., G.C. Bassler dan T.C. Morrill. 1986. *Penyidikan Spektrometrik Senyawa Organik.* Edisi keempat. Alih bahasa A.J. Hartono dan Purba A.V. Erlangga. Jakarta. Hal. 3-330.
- Silverstein, R.M., Webster, F.X. and Kiemle, D.J. 2005. *Spectrometric Identification Of Organic Compounds.* 7<sup>th</sup> edition. State University of New York. John Wiley & Sons, Inc.
- Sivonen, K., W. W. Carmichael, M. Namikoshi, K. L. Rinehart, A. M. Dahlem, And S. I. Niemela. 1989. *Occurrence Of The Hepatotoxic Cyanobacterium Nodularia Spumigena In The Baltic Sea And Structure Of The Toxin. Applied And Environmental Microbiology.* Vol. 55, No. 8. P. 1990-1995.
- Sivonen, K., W. W. Carmichael, M. Namikoshi, K. L. Rinehart, A. M. Dahlem, And S. I. Niemela. 1990. *Isolation And Characterization Of Hepatotoxic Microcystin Homologs From The Filamentous Freshwater Cyanobacterium Nostoc Sp. Strain 152. Applied And Environmental Microbiology,* Sept. 1990, Vol. 56, No. 9. P. 2650-2657

- Skoog, D.A., West, D.M., Holler, J.F. and Crouch, S.R. 2013. *Fundamental of Analytical Chemistry*. 9<sup>th</sup> Edition. Nelson Education, Ltd.
- Sudjadi. 1985. *Penentuan Struktur Senyawa Oraganik*. Ghalia Indonesia. Bandung. 285 Hal.
- Sukara, E. 2006. *Biotrends*. Puslit Bioteknologi LIPI. Majalah Populer Bioteknologi. Vol. 1 No.2
- Tareq, F. S., M. A. Lee, H. S. Lee, J. S. Lee, Y. J. Lee, and H. J. Shin. 2014. *Gageostatins A–C, Antimicrobial Linear Lipopeptides from a Marine Bacillus subtilis*. *Mar. Drugs*. 12: 871-885.
- Visscher, L. A. M., M. J. V. Belkum, S. G. Tsodikova, R. M. Whittal, J. Zheng, L. M. McMullen, and J. C. Vederas. 2008. *Isolation and Characterization of Carnocyclin A, a Novel Circular Bacteriocin Produced by Carnobacterium maltaromaticum Ual30*. *Applied And Environmental Microbiology*, Aug. 2008, p. 4756–4763 Vol. 74, No. 15
- Vonshak, A. 2002. *Spirulina Platensis (Arthrospira) : Physiology, Cell-Biology and Biotechnology*. Taylor and Francis e-library 2002.
- Wu, Q., C. Zheng, Z.-X. Ning and B. Yang. 2007. *Modification of Low Molecular Weight Polysaccharides from Tremella Fuciformis and Their Antioxidant Activity in Vitro*. *J. Mol. Sci.* 2007, 8, 670-679