

Daftar Pustaka

- Backer, C. A. and Brink, R. C. B. V. D. (1968). *Flora of Java (Spermatophytes only) Vol III*. Netherland. Wolters-Noordhoof. V.-Groningen.
- Castoe, T.A., Stephens T., Noonan B., Calestani C. (2006). “A novel group of type I *polyketide synthases (PKS)* in animals and the complex phylogenomics of PKSs”, *ScienceDirect, Gene* 392, 47–58
- Champagnat, P., Figueredo, G.C , Bessièrè, J.E. (2006). “Essential Oil Composition of *Vetiveria nigriflora* from Mali”. *Journal of Essential Oil Research: JEOR*.
- Dharmayanti, N. I. (2012). “Filogenetika Molekuler Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi”. *Indonesian Journal of animal and Veterinary science*, 17(4).
- Delmont, T. O., Robe, P., Clark, I., Simonet, P., Vogel, T. M. (2011). “Metagenomic comparison of direct and indirect soil DNA extraction approaches”. *Journal of microbiological methods*, 86(3), 397-400.
- Dewick, Paul M. (2011). *Medicinal natural products: a biosynthetic approach*. John Wiley & Sons.
- Donadio S., Monciardini P., Sosio M. (2007). “*Polyketide synthases and nonribosomal peptide synthetases: the emerging view from bacterial genomics*”. *The Royal Society of Chemistry*. 24, 1073–1109
- Fisher, P.J., Petrini, O., Lappin Scott, HM. (1992). “The distribution of some fungal and bacterial endophytes in maize (*Zea mays L.*)”. *New Phytol*, 122: 299-305.
- Fitriani, A., Aryani, A., Yusuf, H., Permatasari, Y. (2013). “The Exploration of Ketosynthase Gene on Endophytic Bacterial Root of *Vetiveria zizanioides L*”. *International Journal of Basic & Applied Sciences* Vol:13, No:04, 112-119.
- Gao, H., Li, O., Zhan, ZJ., Ding, R., Zhou, JY., Wen, YP., Fang, H., Qian, CD., Wu, XC. (2011). “Paenimacrolidin, a novel macrolide antibiotic from *Paenibacillus* sp. F6-B70 active against methicillin-resistant *Staphylococcus aureus*”. *Microbial Biotechnology*. Vol.4, (4), 491–502.

- Handelsman, J. (2004). "Metagenomics: Application of Genomics to Uncultured Microorganisms". *Microbiology And Molecular Biology Reviews*. p. 669–685.
- Hallmann, J., Quadt-Hallmann, A., Mahaffee, W. F., Kloepper, J. W. (1997). "Bacterial endophytes in agricultural crops". *Canadian Journal of Microbiology*. 43.(10), 895-914.
- Hertweck, C., A. Luzhetskyy, Y. Rebbets and A. bechthold. (2007). "Type 2 Polyketide Synthase : Gaining a Deeper Insight Into Enzymatic Teamwork". *Nat. prod. Rep.* 24, 162-190.
- Kamarudin, K.R., Rehan, A.M., Hashim, R., Usup, G., Ahmad, H.F., Anua, M.H., Idris, M.Y. (2011). "Molecular Phylogeny of Holothuria (*Mertesiothuria*) leucospilota (Brandt 1835) as Inferred from Cytochrome C Oxidase I Mitochondrial DNA Gene Sequence". *Sains Malaysia*. 40,(2), 125-133.
- Kumar, S., Tamura, K., Peterson, D., Peterson, N., Stecher, G., Nei, M. (2013). "MEGA5: Molecular Evolutionary Genetics Analysis Using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony Methods". *Molecular Biology Evolution*. 28, (10), 2731-2739.
- Li, S., Pearl, D. K., & Doss, H. (2000). "Phylogenetic tree construction using Markov chain Monte Carlo". *Journal of the American Statistical Association*,95,(450), 493-508.
- Li, Z., Zhang, W., Miao, X., Zhang, F. (2009). "The Screening of Antimicrobial Bacteria with Diverse Novel *Nonribosomal Peptide Synthetase (NRPS)* Genes from South China Sea Sponges". *Springer Science + Business Media*. 11, 346–355.
- Lipko, I. A., Kalyuzhnaya, O. V., Kravchenko, O. S., Parfenova, V. V. (2012). "Identification of polyketide synthase genes in genome of *Pseudomonas fluorescens* strain 28Bb-06 from freshwater sponge *Baikalospongia bacillifera*". *Molecular Biology*. 46.(4), 609-611.
- Lumyong, S., Norkaew, N., Ponpathachart, D., Lumyong, P., Tomita, F. (2001). "Isolation, optimization, and characterization of xylanase from endophytic fungi". *Biotechnology for Sustainable Utilization of Biological Resources in the Tropic*, 15, 98-103.
- Malfanova, N.V. (2013). *Endophytic bacteria with plant growth promoting and biocontrol abilities*. Respository Leiden University.

- Metsä-Ketelä, M., Halo, L., Munukka, E., Hakala, J., Mäntsälä, P., Ylihonko, K. (2002). "Molecular evolution of aromatic polyketides and comparative sequence analysis of polyketide ketosynthase and 16S ribosomal DNA genes from various *Streptomyces* species". *Applied and environmental microbiology*. 68.(9), 4472-4479.
- Misaghi IJ and Donndelinger CR (1990)."Endophytic bacteria in symptom-free cotton plants". *Phytopathology*. 80, 808-811.
- Moffitt, M.C., Neilan, B.A. (2002). "Evolutionary Affiliation Within the Superfamily of *Ketosynthases* Reflect Complex Pathway Associations". *Journal of molecular evolution*. 56, 446-457.
- Mount, D. W. (2004). *Sequence and genome analysis. Bioinformatics*. CSHL New York Press. Pp 237-280.
- Nazir, M. (1988). *Metode Penelitian*. Jakarta. Ghalia Indonesia.
- Nielsen, R., & Yang, Z. (1998)." Likelihood models for detecting positively selected amino acid sites and applications to the HIV-1 envelope gene". *Genetics*. 148,(3), 929-936.
- Oliynyk, M., Samborskyy, M., Lester, J. B., Mironenko, T., Scott, N., Dickens, S., Leadlay, P. F. (2007). "Complete genome sequence of the erythromycin-producing bacterium *Saccharopolyspora erythraea* NRRL23338". *Nature biotechnology*. 25,(4), 447-453.
- Page, R. D., & Holmes, E. C. (2009). *Molecular evolution a phylogenetic approach*. Wiley. com.
- [Promega]. (2010). *pGEM®-T and pGEM®-T Easy Vector Systems (Technical Manual No.042*. Madison. Promega Corporation.
- Rosenblueth, M., & Romero, E. M. (2006). "Bacterial Endophytes and Their Interactions with Host. *The American Phytopathological Society*. 19. (8), 827-837.
- Saikkonen, K., Faeth, S. H., Helander, M., Sullivan, T. J. (1998). "Fungal endophytes: a continuum of interactions with host plants". *Annual Review of Ecology and Systematics*, 29, 319-343.
- Saitou, N., & Imanishi, T. (1989). "Relative efficiencies of the Fitch-Margoliash, maximum-parsimony, maximum-likelihood, minimum-evolution, and neighbor-joining methods of phylogenetic tree construction in obtaining the correct tree". *Molecular Biology Evolution*. 6,(5), 514-525.

- Sambrook, J. & Russel. (2001). *Molecular Cloning - A Laboratory Manual*. New York. Cold Spring Harbor Laboratory Press.
- Sessitsch, A., Reiter,B., Pfeifer,U., Wilhelm,E. (2002). "Cultivation-independent population analysis of bacterial endophytes in three potato varieties based on *eubacterial* and *Actinomycetes*-species PCR of 16S rRNA genes". *FEMS Microbiology Ecology*. 39, 23-32.
- Shen, B. (2003). "Polyketide Biosynthesis beyond the Type 1, 2 and 3 Polyketide Synthase Pardigms". *Curr. Opin. Chem. Biol.* 7, 285-295.
- Staunton, J. & K.J. Weissman, (2001). "Polyketide Biosynthesis: A millennium review". *Nat. Prod. Rep.* 18, 380-416.
- Streit, W. R., & Schmitz, R. A. (2004). "Metagenomics—the key to the uncultured microbes". *Current Opinion in Microbiology*, 7, (5), 492-498.
- Strobel, G., Daisy, B. (2003). "Bioprospecting for Microbial Endophytes and Their Natural Products". *Microbiology and Molecular Biology Reviews*. p. 491–502.
- Sturz A.V., Christie B.R., Nowak J. (2000). "Bacterial endophytes: potential role in developing sustainable systems of crop production". *Crit. Rev. Plant Sci.* 19, 1-30.
- Zinniel, D. K., Lambrecht, P., Harris, N. B., Feng, Z., Kuczmariski, D., Higley, P., Ishimaru, C.A., Arunakumari, A., Barletta, R.G., Vidaver, A. K. (2002). "Isolation and characterization of endophytic colonizing bacteria from agronomic crops and prairie plants". *Applied and environmental microbiology*, 68(5), 2198-2208.
- Zheng, R., Yang, N., and Zhao, J. (2008). "Phylogenetic analysis of type I polyketide synthase and nonribosomal peptide synthetase genes in Antarctic sediment". *Springer*. 12, 97–105