

## Daftar Pustaka

- Anderson, K. (2005). "Is Bacterial Resistance to Anntibiotic An Appropriate Example of Evolutionary Change?". [Online]. Tersedia: <http://www.trueorigin.org/bacteria01.asp> [10 Februari 2012].
- Amann, R.I., Ludwid, W., & Schleifer, K. (1995)." Phylogenetic Identification and In Situ Detection of Individual Microbial Cells without Cultivation." *Microbiological Reviews*. 59,(1),143-169.
- Arunachalam, C. & Gayathri, P. (2010). "Studies On Bioprospecting of Endophytic Bacteria from The Medicinal Plant of *Andrographis paniculata* for Their Antimicrobial Activity and Antibiotic Susceptibility Patter." *International Journal of Current Pharmaceutical Research*. 2,(4),63-68.
- Athman, S. Y. (2006). Host-endophyte-pest Interactions of Endophytic *Fusarium oxysporum* Antagonistic to *Radopholus similis* in Banana (*Musa* spp.). University of Pretoria : South Africa.
- Backer, C.A. & Brink, R.C.B.V.D. (1968). *Flora of Java (Spermatophytes only)* Vol. III. Netherland: Wolters-Noordhoof N.V.- Groningen.
- Bacilio-Jiménez, M., Aguilar-Flores, S., del Valle, M.V., Pérez, A., Zeped, Zenteno, A. A. E. (2001). "Endophytic bacteria in rice seeds inhibit early colonization of roots by *Azospirillum brasiliense*." *Soil Biology & Biochemistry* 33,167-172.
- Baldani J.I, Baldani, V.L.D., Seldin, L., Döbereiner, J. (1986). "Characterization of *Herbaspirillum seropedicae* gen. nov., sp. nov., a root-associated nitrogen-fixing bacterium." *Int. J. Syst. Bacteriol.* 36,86-93.
- Baker, R. (2006). Ampicillin Resistance. [Online]. Tersedia: <http://newton.dep.anl.gov/askasci/mole00/mole00754.htm> [9 Februari 2012]

- Burd, G.I., Dixon, D.G., & Glick, B.R. (1998). "A plant growth-promoting bacterium that decreases nickel toxicity in seedlings." *Appl. Environ. Microbiol.* 64,3663-3668.
- Campbell, N.A., Reece, J.B., Mitchell, L.G. (2003). *Biologi*. Jakarta: Erlangga.
- Cappuccino, J.G. & Sherman, N (2005). *Microbiology: A Laboratory Manual*.California:The Benjamin Comings Publishing Company.Inc.
- Chung, W. O., Young, K., Leng, Z., Roberts, M. C. (1999). "Mobile Elements Carrying *ermF* and *tetQ* in Gram-positive and Gram-negative bacteria." *Journal of Antimicrobial Chemotherapy*. 44,329-335.
- Carrim A.J.I, Barbosa, E.C., & Vieira, J.D.G. (2006). "Enzymatic Activity of Endophytic Bacterial Isolates of *Jacaranda decurrens* Cham. (Carobinha-do-campus)." *Brazilian Archives of Biology and Technology*. 49,(3),353-359.
- Carter, A. P., Clemons, W. M., Brodersen, D. E., Morgan-Warren, R. J., Wimberly, B. T., Ramakrishnan, V. (2000). "Functional insights from the structure of the 30S ribosomal subunit and its interaction with antibiotics." *Nature*. 407,340-348.
- Case, R.J, Boucher, Y., Dahllöf, I., Holmström, C., Doolittle, W.F. Kjelleberg, E.S. (2007). "Use of 16S rRNA and *rpoB* Genes as Molecular Markers for Microbial Ecology Studies." *Applied and Environmental Microbiology*. 73, (1),278-288.
- Chopra, I., & Roberts, M. (2001). "Tetracycline Antibiotic: Mode of Action, Applications, Molecular Biology, and Epidemiology of Bacterial Resistance." *Microbiology and Molecular Biology Review*. 65,(2),232-260.
- Clarridge III, J.E. (2004). "Impact of 16S rRNA Gene Sequence Analysis for Identification of Bacteria on Clinical Microbiology and Infectious Disease." *Clinical Microbiology Reviews*. 17,(4),840-862.
- Collard, J. (1999). Tetracycline Resistance. [Online]. Tersedia : [http://www.antibioresistance.be/tetracycline/menu\\_tet.html](http://www.antibioresistance.be/tetracycline/menu_tet.html) [9 Februari 2012].

- Dalton P.A., Smith, R.J., & Truong, P.N.V. (1996). "Vetiver Grass Hedges for Erosion Control on A Cropped Flood Plain: Hedge Hydraulics". *Agric Water Manage.* 31,91-104.
- Dellis, S. (2009). *16s rDNA Sequencing to Identify Unknown Microorganism.* [Online]. Tersedia : <http://delliss.people.cofc.edu/virtuallabbook/LabReadings/16s%20rDNA%20/16s%20rDNA%20SeqAnal.pdf> [10 Januari 2012].
- Drancourt, M., Bollet, C., Carlioz, A., Martelin, R., Gayral, J., Raoult, D. (2000). "16S Ribosomal DNA Sequence Analysis of a Large Collection of Environmental and Clinical Unidentifiable Bacterial Isolates". *J. Clin. Microbiol.* 38,(10),3623-3630.
- Elavazhagan T., Jayakumar, S., Balakrisnan, V., Chitravadivu, C. (2009). "Isolation of Endophytic Bacteria from the Invasive Alien Weed, *Mikania micrantha* and Their Molecular Characterization." *American-Eurasian Journal of Scientific Research.* 4,(3),154-158.
- Firmansyah, R. (2010). *Potensi Bakteri Endofit dan Filoplen Asal Daun Mucuna pruriends Linn., dalam Memacu Pertumbuhan Tanaman dan Menekan Penyakit Bercak Daun Cercospora sp. Pada Tanaman Kacang Tanah (Arachis hypogea L. mer).* Skripsi: Universitas Padjajaran.
- Feng, Y., Shen, D., & Song, W. (2006). "Rice endophyte *Pantoea agglomerans* YS19 promotes host plant growth and affects allocations of host photosynthates." *J. Appl. Microbiol.* 100, 938-945.
- Franco, C. (2011). "Endophytic Actinomycetes: Discovery and Applications." Bogor: International Seminar of Indonesian Society for Microbiology.
- Ghadin, N., Zin, N. M., Sabaratnam, V., Badya, N., Basri, D. F., Hing, H. L. and Sidik, N. M. (2008). "Isolation and characterization of a novel endophytic *Streptomyces* SUK06 with antimicrobial activity from Malaysian plant." *Asian J. Plant Sci* 7,(2),189-194.
- Grace, W. C. Y., Yun, S. T. S., Hsien, K. T., Yi, Z., Li-Hwei, S. (2003) "Identification of *B. pseudomallei* by 16S rDNA Sequencing". *Sgh Proceedings.* 12,(2),52-55.

- Haddix, P. L., Paulsen, E. T., & Werner, T. F. (2000). "Measurement of Mutation to Antibiotic Resistance : Ampicillin Resistance in *Serratia marcescens*." *Bioscene*. 26,(1),17-21.
- Hasbullah. (2001). *Gelatin*. TTG Pengolahan Pangan. Kantor Deputi Menristek Bidang Pendayagunaan dan Pemasyarakatan Ilmu Pengetahuan dan Teknologi: Jakarta.
- Heilin, J., & Haigh, M. J. (2002). "Impact of *Vetiveria zizanioides* (Vetiver Grass) Live Barriers on Maize Production in Honduras." 12<sup>th</sup> ISCO Conference: Beijing.
- Hung, P.Q., & Annapurna, K. (2004). "Isolation and Characterization of Endophytic Bacteria in Soybean (*Glycine sp.*)."*Omonrice* 12,92-101.
- Indrawanto, C. (2009). "Kajian pengembangan industri akar wangi (*Vetiveria zizanioides L.*) menggunakan *interpretative structural modeling*."*Informatika Pertanian*. 1,(18).
- Jalal, K.C.A., Nur Fatin, U.T., Mardiana, M.A., Akbar John, B., Kamaruzzaman Y.B., Shahbudin, S., Omar, M.N. (2010). "Antibiotic Resistance Microbes in Tropical Mangrove Sediments in East Coast Peninsular Malaysia."*African Journal of Microbiology Research*. 4,(8),640-645.
- Jalgaonwala, R.E. (2011). "Isolation and Characterization of Endophytic Bacteria from Roots of *Pongamia glabra* Vent."*International Journal of Pharma and Bio Sciences*. 2,(1),280-287.
- Johnson, P. (1998). *MicroVision*. [Online]. Tersedia: <http://www.mesacc.edu/~johnson/labtools.html>. [22 Agustus 2011].
- Jomarjee, van Antwepen, T., Balandreau, J., Kuniata, L., Rutherfor, S. (2004). "Isolation and Characterization of Some Endophytic Bacteria from Papua New Guinea Sugarcane."*Proc. South African Sugarcane Technology Assosiation*. 78,189-194.

Kaiser, G. E. (2011). *Biol 230 Microbiology Laboratory Manual*. [Online]. Tersedia: <http://faculty.ccbcmd.edu/courses/bio141/labmania/lab8/index.html> [20 Agustus 2011]

Kashiwagi, K., Tsuhako, M. H., Sakata, K., Saisho, T., Igarashi, A., Pinto da Costa, S. O., Igarashi, K. (1998). "Relationship between Spontaneous Aminoglycoside Resistance in *Escherichia coli* and a Decrease in Oligopeptide Binding Protein." *Journal of Bacteriology*. 180,(20),5484-5488.

Khairani, G. (2009). "Isolasi dan Uji Kemampuan Bakteri Endofit Penghasil Hormon IAA (*Indole Acetic Acid*) dari Akar Tanaman Jagung (*Zea mays L.*)". Universitas Sumatera Utara: Medan.

Khan, Z., & Doty, S. L., (2009). "Characterization of Bacterial Endophytes of Sweet Potato Plants." *Springer*.

Kong, F., Chen, S. C. A., Chen, X., Sintchenko, V., Halliday, C., Cai, L., Tong, Z., Lee, O. C., Sorrell, T. C. (2009). "Assignment of Reference 5'-end 16S rDNA Sequences and Species-Specific Sequence Polymorphisms Improves Species Identification of *Nocardia*". *The Open Microbiology*. 3,97-105.

Kumala, W., A. Rani., & B. Handana. (2004). "Uji Kepekaan *Helicobacter pylori* Isolat Jakarta terhadap Berbagai Jenis Antibiotik." *Jurnal Mikrobiologi Indonesia*, 9,(1),36-38.

Kumar, P.A. (2008). "Bacterial Resistance to Antimicrobial Agents and Microbiological Quality among Escherichia coli Isolated from Dry Fishes in Southeast Coast of India." *Roumanian Biotechnological Letters*. 13,(6),3984-3989.

Lavania, U. C. (2004). "Vetiver System Ecotechnology for Water Quality Improvement and Environmental Enhancement." *Curr Sci.* 86,(1),11-14.

Leclerc, D., Melançon, P., & Braker-Gingras, L. (1991)." Mutation in the 915 Region of *Escherichia coli* 16S Ribosomal RNA reduce the Binding of

- Streptomycin to the Ribosome.” *Nucleic Acids Research.* 19,(14),3973-3977.
- Leupin, R. E. (2010). *Vetiveria zizanioides*: An Approach to Obtain Essential Oil Variants via Tissue Culture. Diss. ETH, No. 14182. [Online]. Tersedia : <http://collection.ethbib.ethz.ch/eserv/eth:24212?eth-24212-02.pdf>. [26 Januari 2012]
- Madigan, M. T., Martinko, J. M., Dunlap, P. V., Clark, D. P. (2009). *Microbiology of Microorganism*. United States of America: Pearson Benjamin Cummings.
- Maffei, M. (2002). *Vetiveria. The Genus Vetiveria*. Department of Plant Biology, University of Turin, Italy : Taylor and Francis.
- Magnani, G. S, Didonet, C. M., Cruz, L. M., Picheth, C. F., Pedrosa, F. O., Souza, E.M. (2010). “Diversity of Endophytic Bacteria in Brazilian Sugarcane.” *Genet. Mol. Res.* 9,(1), 250-258.
- Mano, H., Tanaka F., Nakamura C., Kaga H., Morisaki H.(2007). “Culturable Endophytic Bacterial Flora of The Maturing Leaves and Roots of Rice Plants (*Oryza sativa*) Cultivated in a Paddy Field.” *Microbes and Environments.* 22,175-185.
- Marchesi, Julian R., Takuichi Sato, Andrew J. weightman, Tracey A. Martin, John C. Fry, Sarah J. Hiom, and William G. Wade. (1998). “Design and Evaluation of Useful Bacterium-Specific PCR Primers That Amplify Genes Coding for Bacterial 16S rRNA”. *Applied and Environmental Microbiology*. 795–799.
- Marks, J. W. (2008). Tetracycline, Sumycin. [Online]. Tersedia : <http://www.medicinenet.com/tetracycline/article.htm> [26 Januari 2012].
- Mengoni, A., Mocali, S., Surico, G., Tegli, S., Fani, R. (2003). “Fluctuation of Endophytic Bacteria and Phytoplasmosis in Elm Trees.” *Microbial Res.* 158, 363-369.

- Middleton, J. H., and Ambrose, A.. (2005). "Enumeration and Antibiotic Resistance Patterns of Fecal Indicator Organisms Isolated from Migratory Canada Gees (*Branta canadensis*)."*Journal of Wildlife Disease*. 41,(2),334-341.
- Moat, A.G., Foster, J.W., Spector, M.P. (2002). *Microbial Physiology*. United States of America: Wiley-Liss.
- Panchal, H & Ingle, S. (2011). "Isolation and Characterization of Endophytes from The Root of Medicinal Plant *Chlorophytum coriifolium* (Safed Musli)." *Journal of Advances in Developmental Research*. 2,(2),205-209.
- Paul, E. A. (2007). *Soil Microbiology and Biochemistry*. United States of America: Elsevier.
- Paulsen, I. T., Brown, M. H., Skurray, R. A. (1996). "Proton-dependent Multidrug Efflux Systems." *Microbiology and Molecular Biology Review*. 60,(4),575-608.
- Pelczar Jr. M. J. and E. C. S Chan. (2007). *Dasar-dasar Mikrobiologi*. Penerbit Universitas Indonesia : Jakarta.
- Poedjiadi, A., Supriyanti, F.M.T. (2006). *Dasar-dasar Biokimia*. Penerbit Universitas Indonesia: Jakarta.
- Rahmawati, N. (2010). *Pemanfaatan Minyak Atsiri Akar Wangi (Vetiveria zizanioides) dari Famili Poaceae sebagai Senyawa Antimikroba dan Insektisida Alami*. [Online]. Tersedia : <http://digilibis.its.ac.id/public/ITS-Undergraduate-13308-paper.pdf> [26 Januari 2010].
- Rao, R. R. & Suseela, M. R. (2008). *Vetiveria zizanioides (Linn.) Nash A Multipurpose Eco-Friendly Grass of India*. National Botanical Research Intitute : India.
- Roerig. (2006). Streptomycin Sulfate (streptomycin sulfate) Injection, Solution. [Online]. Tersedia :

<http://dailymed.nlm.nih.gov/dailymed/lookup.cfm?setid=50972f39-a15b-4c90-b9e6-cf7f76cd6e99> [26 Januari 2012]

Reiter, B., Pfeifer, U., Schwab, H., Sessitsch, A. (2002). "Response of Endophytic Bacterial Communities in Potato Plants to Infection with *Erwinia carotova* subsp." *Atroseptica. Applied and Environmental Microbiology.* 68, (5), 2261-2268.

Rijavec, T., Lapanje, A., Dermastia, M., Rupnik, M. (2007)." Isolation of Bacterial Endophytes from Germinated Maize Kernels." *Can. J. microbial.* 53. 802-808.

Roongtanakiat, N., Tangruangkiat, S., & Meesat, R. (2007). "Utilization of Vetver Grass (*Vetiveria zizanioides*) for Removal of Heavy Metals from Industrial Wastewaters." *Science Asia.* 33,397-403.

Roy, S. & Banerjee, D.. (2010). "Isolation of Antimicrobial Compound by Endophytic Bacteria from *Vinca rosea*." *International Journal of Current Research* 5,047-051.

Ryan, R.P, K. Germaine, A. Franks, D.J. Ryan, D.N. Dowling. (2007)." Bacterial endophytes: recent developments and applications." *FEMS Microbiol Lett.* 278, 1-9.

Savalkar, L.A. (2007). "Isolation, Identification and Screening of Endophytic Nitrogen Fixing Bacteria from Sugarcane and Selection of Efficient Strains for Their Mass Production as Liquid State Bioinoculant with Formulating by Fermentation Based Biotechnology. Jai Dhaneshwari Education Society College of Agriculture Biotechnology Raipur-492006 (C.G): India.

Shah, N., Tang, H., Doak, T.G., Ye, Y. (2010). Comparing Bacterial Communities Inferred from 16S rRNA Gene Sequencing and Shotgun Metagenomics. Tersedia: [Online] <http://omics.informatic.indiana.edu/mg/phyloshop>. [22 Agustus 2011].

Sharma, P.K, S. Sarita, & J. Prell. (2005). "Isolation and characterization of an endophytic bacterium related to Rhizobium/Agrobacterium from wheat (*Triticum aestivum* L.) roots." *Current Science,* 89,(4).

Simarmata R, S. Lekatompessy, & H. Sukiman. (2007). "Isolasi Mikroba Endofitik dari Tanaman Obat Sambung Nyawa *Gynura procumbens* dan Analisis Potensinya sebagai Antimikroba." *Berk. Penel. Hayati*: 13,85-90.

Smith, S. A., Tank, D.C., Boulanger, L., Bascom-Slack, C. A., Eisenmann, K., Kingery, D., Babbs, B., Fenn, K., Greene, J. S., Hann, B. D., Keehner, J., Kelley-Swift, E. G., Kembaiyan, V., Lee, S. J., Li, P., Light, D. Y., Lin, E. H., Ma, C., Moore, E., Schorn, M. A., Vekhter, D., Nunez, P. V. Strobel, G. A., Donoghue, M. J., Strobel, S. A. (2008). "Bioactive Endophytes Warrant Intensified Exploration and Conservation." *Plos One*. 3,(8),1-4.

Speer, B. S., Bedzyk, L., & Salyers, A. A. (1991). "Evidence that a Novel Tetracycline Resistance Gene Found on Two *Bacteroides* Transposons Encodes an NADP-Requiring Oxidoreductase." *Journal of Bacteriology*. 173,(1),176-183.

Springer, B., Kidan, Y. G., Prammananan, T., Ellrott, K., Böttger, E. C., Sander, P. (2001). "Mechanism of Streptomycin Resistance: Selection of Mutations in the 16S rRNA Gene Conferring Resistance." *Antimicrobial Agents and Chemotherapy*. 45,(10),2877-2884.

Srisatit, T., & Sengsai, W. 2003. "Chromium Removal Efficiency by *Vetiveria zizanioides* and *Vetiveria nemoralis* in Constructed Wetlands for Tannery Post-Treatment Wastewater."

Srivastava, J. S. Kayastha, S. Jamil, V. Srivastava. (2008). "Environtmental perspectives of *Vetiveria zizanioides* (L.) Nash." *Springer. Acta Physiol Plant* 30,413-417.

Stajković, O., de Meyer, S., Miličić, B., Willems, A., Delić, D. (2009). "Isolation and Characterization of Endophytic Non-rhizobial Bacteria from Root Nodules of Alfalfa (*Medicago sativa* L.)." *Botani Serbica*. 33,(1),107-114.

Strobel, G & Daisy, B. (2003). "Bioprospecting for microbial endophytes and their natural products." *Microbiol. Mol. Biol. Rev.* 67,491-502.

Tn, (2001). *Enzymes A Primer on Use and Benefits Today and Tomorrow.* Washington DC: Enzyme Technical Association, 1800 Massachusetts Avenue, N.W.

Taylor, D. E., & Chau, A. (1996). "Tetracycline Resistance Mediated by Ribosomal Protection." *Antimicrobial Agents and Chemotherapy.* 40,(1),1-5.

Testa, R. T., Petersen, P. J., Jacobus, N. V., Sum, P., Lee, V. J., Tally, F. P., (1993). "In Vitro and In Vivo Antibacterial Activities of the Glycylclines, a New Class of Semisynthetic Tetracyclines." *Antimicrobial Agents and Chemotherapy.* 37,(11),2270-2277.

Vega, F. E., Pava-Ripoll, M., Posada, F., Buyer, J. S. (2005). "Endophytic Bacteria in *Coffea arabica L.*" *J. Basic Microbiol.* 45,(5),371-380.

Zinniel, D.K., Lambrecht, P., Harris, N.B., Feng, Z., Kuczmarski, 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.