

DAFTAR PUSTAKA

- Barbara, M. Reed and Piyarak Tanprasert. 1995. Detection and Control of Bacterial Contaminants of Plant Tissue Cultures. A Review of Recent Literature Ermayanti, T.M. 1997. Mengenal dan Mengatasi Kontaminan Pada Biak Jaring Tanaman. Warta Biotek Tahun XI No. 3, September-Desember 1997. Plant Tissue Culture and Biotechnology 137-142. Volume No.3. USA.
- Bastiaens, L. 1983. Endogenous Bacteria In Plants and Their implications In Tissue Culture- A Review. Med. Fac. Landbouww. Rijksuniv. Gent 48: 1-11.
- Batubara, R. 2002. Pemanfaatan Bambu di Indonesia. Digitized by USU Digital Library.
- Berger, F., Waites, W. M., and Leifert, C. 1994. An Improved Surface Disinfection Method for Shoot Explants from *Iris* Rhizomes Infected With Bacterial Soft Rot (*Erwinia carotovora* subsp. *carotovora*). J. Hort. Sci. 69: 1-4.111.
- Berlian, N., dan Rahayu, E. 1995. Jenis dan Prospek Bisnis Bambu. Penebar Swadaya. Jakarta.
- Bidwell, R.G.S. 1979. Plant Physiology. Second Edition. Mac Millan Publishers Co. New York.
- Boemare, N. 2002. Systematics of *Photorhabdus* and *Xenorhabdus* In R.Gaugler (Ed.), Entomopathogenic Nematology (pp. 35-56). CABI Publishing. New Brunswick.
- Boxus, P. H. and Terzi, J. M. 1988. Control of Accidental Contamination During Mass Propagation. Acta Hort. 225: 189-193.
- Brown, A and Smith, H. 2015. Benson's Microbiological Applications : Laboratory Manual in General Microbiology. Thirteenth Edition. McGraw-Hill Education. USA.
- Buckley, P.M., DeWilde, T.N., and Reed, B.M. 1995. Characterization and Identification of Bacteria Isolated from Micropropagated Mint Plants. In vitro Cell. Dev. Biol. 31P: 58-64.



- Caruso, F. L., M. G. Zuck, and A. E. Bessette. 1984. Bacterial Seedling Blight of Tomato Caused by *Bacillus polymyxa*. *Plant Dis.* 68:617-620.
- Cassells, A.C. 2001. Contamination and Its Impact In Tissue Culture. *Acta Horticulture* 560: 353-359.
- Claus, D., and Berkeley, R. C. W. 1986. Description of The Genus *Bacillus* In: *Bergey's Manual of Systematic Bacteriology*. Pp. 1105-1139. Sneath, P. H. A., Mair, N. S., Sharpe, M. E., and Holt, J. G. Eds. Williams & Wilkins. London, U.K.
- Coenye, T. and Vandamme, P. 2003. Diversity and Significance of *Burkholderia species* Occupying Diverse Ecological Niches. *Environ. Microbiol.* 5(9): 719-729.
- Collins, C. H., Allwood, M. C., Bloomfield, S. F., and Fox, A. 1981. *Disinfectants: Their Use and Evaluation of Effectiveness*. Academic Press. London, U.K.
- Compant, S., Nowak, J., Coenye, T., Clement, C., and Ait Barka, E. 2008. Diversity and Occurrence of *Burkholderia spp.* In The Natural Environment. *Federation of European Microbiological Societies (FEMS). Microbiology Reviews* 32(4) : 607-26.
- Constantine, D. R., Wiltshire, S., and Beddows, C. 1980. Contamination of Cultures. *Long Ashton Res. Sta. Rep.* 1979. p.74.
- Cooke, D.L., W.M. Waites, and C. Leifert. 1992. Effects of *Agrobacterium tumefaciens*, *Erwinia carotovora*, *Pseudomonas syringae* and *Xanthomonas campestris* on Plant Tissue Cultures of *Aster*, *Cheiranthus*, *Delphinium*, *Iris* and *Rosa*; Disease Development In Vivo As A Results of Latent Infection In Vitro. *Journal of Plant Diseases and Protection* 99: 469-481.
- Davis, M. J. 1986. Taxonomy of Plant Pathogenic Coryneform Bacteria. *Ann. Rev. Phytopathol.* 24:115-140.
- De Fossard, R.A. and De Fossard, H. 1998. Coping with Microbial Contaminants and Other Matters In Small Commercial Micropropagation Laboratory. *Acta Hort.* 225: 167-176.
- Debergh, P.C. and Vanderschaege, A.M. 1998. Some Symptoms Indicating The Presence of Bacterial Contaminants In Plant Tissue Culture. *Acta Hort.* 255: 77-81.



- Devi, C.S. and Srinivasan, V.M. 2006. Studies on Various Atmospheric Microorganisms Affecting the Plant Tissue Culture Explants. Academic Journals Inc., USA. American Journal of Plant Physiology I (2): 205-209.
- Duhem, K., Le Mercier, N., and Boxus, P. H. 1988. Difficulties in the establishment of axenic "in vitro" cultures of field collected coffee and cacao germplasm. Acta Hort. 225: 67-77.
- Enjalric, F., Carron, M. P., and Lardet, L. 1988. Contamination of Primary Cultures In Tropical Areas: The Case of *Hevea brasiliensis*. Acta Hort. 225: 57-65.
- Ermayanti, T.M. 1997. Mengenal dan Mengatasi Kontaminan Pada Biak Jaring Tanaman. Warta Biotek Tahun XI No. 3, September-Desember 1997.
- Fisher, Katie and Phillips, Carol. 2009. The ecology, epidemiology and virulence of *Enterococcus*. University of Northampton, School of Health, Park Campus, UK. Microbiology, 155, 1749-1757.
- George, E. F., and Sherrington, P. D. 1984. Plant Propagation by Tissue Culture. Exegetics Ltd. Eversley, Basingstoke, U.K.
- George, E.F. 1993. Plant Tissue Culture Techniques. In: Plant Propagation by Tissue Culture. Part 1: The Technology. Exegetics Ltd., Edington, Wiltshire, England, UK.
- Goodfellow, M. and O'Donnell, A.G. 1993. Handbook of New Bacterial Systematics. Academic Press. Harcourt Brace and Company Publishers. London.
- Goodfellow, M. 2000. Microbial Systematics: Background and Uses In Applied Microbial Systematics (F.G. Priest and Goodfellow, eds). Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Gunawan, L.W. 1992. Teknik Kultur Jaringan. Laboratorium Kultur Jaringan Tanaman. PAU Bioteknologi IPB. Bogor.
- Gunson, H.E. and Spencer-Phillips, P.T.N. 1994. Latent Bacterial Infections: Epiphytes and Endophytes as Contaminants of Micropropagated Plants. In: Physiology, Growth, and Development of Plants in Culture. J.R. Nicholas, ed. Kluwer Academic Publishers, Dordrecht, Netherlands. pp. 379-396.
- Hambali, E., A. Suryani, Dadang, Hariyadi, H. Hanafie, I.K. Reksowardojo, M. Rivai, M. Ihsanur, P. Suryadarma, S. Tjitrosemito, T.H. Soerawidjaja, T. Prawitasari, T. Prakoso, dan W. Purnama. 2006. Jarak Pagar Tanaman Penghasil Biodiesel. Penebar Swadaya, Jakarta.



- Herbert, E. E., and Goodrich-Blair, H. 2007. Friend and Foe: The Two Faces of *Xenorhabdus nematophila*. *Nat Rev Microbiol*, 5 (8), 634-646.
- Holt, G.J., Krieg, N.R., Sneath, P.H.A., Staley, J.T., Williams, S.T. 1994. *Bergey's Manual of Determinative Bacteriology* 9th Edition. USA: Williams and Wilkins Baltimore.
- Horsch, R.B., and King, J. 1983. A covert Contaminant of Cultured Plant cells: Elimination of a *Hyphomicrobium sp.* From cultures of *Datura innoxia* (Mill.). *Plant Cell Tissue and Organ Culture* 2(1): 21-8.
- Hosford, R.M. 1982. White Blotch Incited in Wheat by *Bacillus megaterium* pv. *cerealis*. *Phytopathology* 72:1453-1459.
- Hugo, W. B. 1971. *Inhibition and Destruction of the Microbial Cell*. Academic Press. London, U.K.
- Janssen, P.H. 2006. Identifying The Dominant Soil Bacterial Taxa In Libraries of 16S rRNA and 16S rRNA Genes. *Applied and Environmental Microbiology* 72(3) : 1,719-28.
- Johansen, J.E., Binnerup, S.J., Kroer, N., and Molbak, L. 2005. *Luteibacter rhizovicinus* gen. nov., sp. Nov., a yellow-pigmented gammaproteobacterium isolated from the rhizosphere of barley (*Hordeum vulgare* L.). *International Journal of Systematic and Evolutionary Microbiology* 55(6): 2, 285-291.
- Kado, C.I. 2006. *Erwinia* and Related Genera. Chapter 3.3.15. *Prokaryotes* (2006) 6:443-450. DOI: 10.1007/0-387-30746-x_15.
- Kotiranta, A., Lounatmaa, K., and Haapasalo, m. 2000. *Epidemiology and Pathogenesis of Bacillus cereus* Infections. *Microbes and Infection* 2(2):189-8.
- Kovach, W. L. 2007. *MVSP – A Multi Variate Statistical Package for Windows*, ver. 3.1. Kovach Computing Services, Pentraeth, Wales, U.K.
- Kunnemann, B. P. A. M., and Faaij-Groenen, G. P. M. 1988. Elimination of bacterial contaminants: a matter of detection and transplanting procedures. *Acta Hort.* 225: 183-189.
- Leary, J.V. and W. Chun. 1985. Pathogenicity of *Bacillus circulans* to date palm (*Phoenix dactylifera*) seedlings. *Phytopathology* 75:1289 (Abstr.).
- Leary, J.V. and W. Chun. 1989. Pathogenicity of *Bacillus circulans* to seedlings of date palm (*Phoenix dactylifera*). *Plant Dis.* 73:353-354.



- Leifert, C. 1990. Contaminants of Plant Tissue Cultures. Ph.D. thesis, Faculty of Agricultural and Food Sciences, Nottingham University, UK.
- Leifert, C. and Waites, W. M. 1993. Dealing with microbial contaminants in plant tissue and cell culture: hazard analysis and critical control points. In: Physiology, Growth, and Development of Plants in Culture. Lumsden, P.J., Nicholas, J. R., and Davies, B. J. Eds. Kluwer Academic Publishers, Dordrecht, Holland.
- Leifert, C. and Waites, W.M. 1990. Dealing with Microbial Contaminants In Plant Tissue and Cell Cultures : Hazard Analysis and Critical Control Points. In : Physiology, Growth, and Development of Plants in Culture. P.J. Lumsden, J.R. Nicholar and W.J. Davies. Eds. Kluwer Academic Publishers, Netherlands. pp.363-378.
- Leifert, C., Camotta, H., and Waites, W.M. 1992. Effect of Combinations of Antibiotics on Micropropagated *Celmatis*, *Dhelphinium*, *Hosta*, *Iris*, and *Photinia*. Plant Cell Tissue Culture Organ Cult. 29:153-160.
- Leifert, C., Morris, C.E. and Waites, W.M. 1994. Ecology Of Microbial Saprophytes and Pathogens In Tissue Culture and Field-Grown Plants: Reasons For Contamination Problems In Vitro. Critical Reviews in Plant Science 13: 139-183.
- Leifert, C., Waites, W.M., and Nicholas, J.R. 1989. Bacterial Contamination of Micropropagated Plant Tissue Cultures. J. Appl. Bact. 67: 353-361.
- Leifert, C., Camotta, H., Wright, S.M., Waites, B., Cheyne, V.A. and Waites, W.M. 1991. Elimination Of *Lactobacillus Plantarum*, *Corynebacterium Sp*, *Staphylococcus Saprophyticus*, and *Pseudomonas paucimobilis* From Micropropagated *Hemerocallis*, *Choisya*, and *Delphinium* Cultures Using Antibiotics. J. Appl. Bact. 71: 307-330.
- Lengeler, J.W., Drews, G., and Schlegel, H.G. 1999. Biology of The Prokaryotes. Blackwell Science. Stuttgart, Germany.
- Long, R.D., Curtin, T.F. and Cassels, A.C. 1988. An Investigation of The Effects of Bacterial Contaminants on Potato Nodal Cultures. Acta Hort. 225 : 83-91.
- Lopez, C. dan Shanley, P. 2004. Kekayaan Hutan Asia. PT Gramedia Pustaka Utama. Anggota IKAPI. Jakarta.
- Madigan, Michael. T., Martinko, John, M., Stahl, David, A., and David P. Clark. 2012. Brock Biology of Microorganisms. Thirteen Edition. Pearson. San Fransisco. pp. 674-676.



- Marlina, N. 2004. Teknik Modifikasi Media Regenerasi Dalam Pembentukan Kalus Berbagai Jenis Eksplan Anthurium. Balai Penelitian Tanaman Hias. Buletin Teknik Pertanian Vol. 14, No. 2, 2009: 68-71.
- Mathias, P.J., Alderson, P.G., and Leakey, R.R.B. 1987. Bacterial Contamination in tropical hardwood cultures. Acta Hort. 212: 43-48.
- Mederos, S., and Lopez, C. 1991. Control of Organogenesis "In Vitro" of *Pistacia atlantica* Desf. Rootstock. Acta Hort. 289: 135-136.
- Nursyamsi. 2010. Pengaruh Media dan Zat Pengatur Tumbuh pada Pertumbuhan Tanaman Bitti (*Vitex cofassus* Reinw.) Melalui Teknik Kultur Jaringan. Tesis Program Pasca Sarjana Universitas Gadjah Mada. Yogyakarta.
- Odutayo, O. I., Amusa, N. A., Okutade, O. O., and Ogunsanwo, Y. R. 2007. Sources of Microbial Contamination in Tissue Culture Laboratories in Southwestern Nigeria. Departement of Biological Sciences Olabisi Onabanjo University. Ago-Iwoye, Nigeria. African Journal of Agricultural Research Vol 2(3), pp. 067-072.
- Otjo dan Atmadja,. 2006. Bambu, Tanaman Tradisional yang Terlupakan. <http://www.freelists.org/archives/ppi/09-2006/msg00010.html>.
- Pelczar, J.R., Harley, J.P., and Klein, D.A. 1993. Microbiology: Concepts and Applications. McGraw-Hill Inc. New York.
- Priest, F. and Austin, B. 1993. Modern Bacterial Taxonomy 2nd Edition. Chapman and Hall Pub. England.
- Russell, A.D., Hugo, W. B., and Ayliffe, G. A. J. 1982. Principles and Practice of Disinfection, Preservation, and Sterilization. Blackwell Scientific Publications. Oxford, U.K.
- Salih, S., Waterworth, H., and Thompson, D.A. 2001. Role of Plant Tissue Culture In International Exchange and Quarantine of Germplasm In The United States and Canada. Hortiscience 36(6): 1,015-21.
- Sastrapradja, S., dkk, 1980. Jenis-Jenis Kayu Indonesia. Balai Pustaka, Jakarta.
- Schaad, N.W., Jones, J.B., and Chun, W. 2001. Laboratory Guide for Identification of Plant Pathogenic Bacteria. Third Edition. APS Press. The American Phytopathological Society, St.Paul, Minnesota.
- Seabrook, J.E.A., and Farrell, G. 1993. City Water can Contaminate Tissue Culture Stock Plants. Hortscience 28: 628-629.



- Sembiring, L. 2013. Pergumulan Pemikiran dalam Sejarah Perkembangan Konsep Keanekaragaman Mikrobial dan Peran Mikrobial Bagi Kemajuan Peradaban Manusia. Pidato Pengukuhan Jabatan Guru Besar Fakultas Biologi Universitas Gadjah Mada. Yogyakarta. 27 Juni 2013.
- Sigee, D.C. 1993. Bacteria as Plant Pathogens. In: Bacterial Plant Pathology: Cell and Molecular Aspects. D.C. Sigee, ed. Cambridge University Press. Cambridge. pp. 1-12.
- Silva, S. D. V. M., Pereira, T. N. S., and Luz, E. D. M. N. 1988. Propagacao do guarana in vitro. I. Seleccion de fungicidas. Fitopatologia Brasileira 13: 183-185.
- Singha, S., Bissonnette, G. K., and Double, M. L. 1987. Methods for Sterilizing Instruments Contaminated with *Bacillus sp.* from Plant Tissue Cultures. Hort. Sci. 22: 659.
- Slepecky, R. A. and Hemphill, H.E. 2006. The Genus *Bacillus*-Nonmedical. Chapter 1.2.16. Prokaryotes (2006) 4:530-562. DOI: 10.1007/0-387-30744-3_16.
- Stange, R. R. Jr., Jeffares, D., Young, C., Scott, D. B., Eason, J.R., and Jameson, P. E. 1996. PCR Amplification of The Fast-1 Gene for The Detection of Virulent Strains of *Rhodococcus fascians*. Plant Path. 45: 407-417.
- Sykes, G. 1965. Disinfection and Sterilization. E. & F. N. Spon Ltd. London, U.K.
- Taber, R.A., Thielen, M.A., Falkinham III, J., and Smith, R.H. 1991. *Mycobacterium scrofulaceum*: A Bacterial Contaminant In Plant Tissue Culture. Elsevier Scientific Publishers Ireland Ltd. Plant Science, 78. pp. 231-326.
- Thomas, P. 2004. In Vitro Decline In Plant Cultures: Detection of A Legion of Covert Bacteria As The Cause For Degeneration of Long-term Micropropagated Triploid watermelon Cultures. Plant Cell, Tissue, and organ Culture 77(2): 173-9.
- Toruan-Mathius, N., E. Yuniastuti, R. Setiamiharja, dan M.H. Karmana. 2005. Analisis Genotip Normal dan Abnormal pada Klon Kelapa Sawit (*Elaeis guineensis* Jacq.) dengan Amplified fragment Length Polymorphism (AFLP). Menara Perkebunan 73 (1) : 12-25.
- Towner, K.J., and Cockayne. 1995. Molecular Methods for Microbial Identification and Typing. Chapman and Hall. London.



- Trick, I., and Lingens, F. 1985. Aerobic Spore-Forming Bacteria As Detrimental Infectants In Plant Tissue Cultures. *Appl. Microbiol. Biotechnol.* 21: 245-249.
- Van den Houwe, I., and Swennen, R. 2000. Characterization and Control of Bacterial Contaminants In Vitro Cultures of Banana (*Musa* spp.). *Acta Horticulture* 532:69-79.
- Vidaver, A. K., and Starr, M. P. 1979. Phytopathogenic Coryneform and Related Bacteria. Pages 1879-1887. In: M. P. Starr, H. Stolp, H. G. Truper, A. Balows, and H. G. Schlegel, (eds.). *The Prokaryotes: A Handbook on Habitats, Isolation and Identification of Bacteria*. Springer-verlag, Berlin, Heidelberg, New York.
- Viss, P.R., Brooks, E.M., and Driver, J.A. 1991. A Simplified Method for The Control Of Bacterial Contamination In Woody Plant Tissue Culture. *In Vitro Cell. Dev. Biol.* 27 p: 42.
- Wakil, S.M., and Mbah, E.I. 2012. Screening Antibiotics for The Elimination of Bacteria from in vitro Yam Plantlets. Department of Microbiology. Unuiversity of Ibadan, Nigeria. *AU J.T.* 16(1): 7-8.
- Wetter, L.R., dan Constabel, F. 1991. *Metode Kultur Jaringan Tanaman*. Edisi Bahasa Indonesia. Bandung:ITB.
- Wolf, J., and A.N. Barker. 1968. The Genus *Bacillus*: Aids to The Identification of Its Species. Pages 93-109 in: B. M. Gibbs and D. A. Shapton, eds., *Identification Methods for Microbiologists, Part B*. Academic Press, New York.
- Yunus, A., Samanhudi, A.T., Saky, dan Rahayu, M. 2009. *Teknologi Kultur Jaringan*. UNS Press. Surakarta.