

DAFTAR KEPUSTAKAAN

- Achmad., Y. Fakuara., A.S. Wulandari., dan E.N. Herliyana. 1994. *Studi Kemampuan Mikoriza dalam Perlindungan Hayati Terhadap Patogen Lodoh dan Pengaruhnya pada Pertumbuhan Semai Pinus merkusii*. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor.
- Achmad. 1998. *Mekanisme Serangan Patogen dan Pertahanan Inang serta Pengendalian Hayati Penyakit Londoh pada Pinus merkusii* [Disertasi]. Bogor. Institut Pertanian Bogor.
- Adi. 2009. *Isolasi dan Uji Aktivitas Antimikrobia dari Daun Tumbuhan Quercus gemelliflora Bi (Fagaceae)*. Laporan Hasil Penelitian Student Grant Batch II. Tahun III. Universitas Riau.
- Alamsjah, F., E.F. Husin., E. Santoso., D.P. Putra dan Syamsuardi. 2013. “Keanekaragaman Fungi Ektomikoriza di Hutan Pendidikan dan Penelitian Biologi (HPPB) Unand”. Prosiding Seminar Nasional Biodiversitas dan Ekologi Tropika Indonesia (BioETI); Padang September 2013.
- Alamsjah, F., E.F. Husin., E. Santoso., D.P. Putra dan Syamsuardi. 2015. “Effects of Indigenous Fagaceae-Inhabiting Ectomycorrhizal Fungi *Scleroderma* spp. on Growth of *Lithocarpus urceolaris* Seedling in Greenhouse Studies”. *Pak J Biol Sci* 18(3): 135-140.
- Alamsjah, F., E.F. Husin., E. Santoso., D.P. Putra dan Syamsuardi. 2016. “Effects Indigenous Ectomycorrhizal Fungi *Scleroderma* spp. Isolated from Botanical Garden of Andalas University on Roots of *Lithocarpus urceolaris* (Jack) Merr Seedlings under Different Density Shading Net”. *Pharm Lett*, 8 (18):72-78.
- Alexander. I, and M. A. Selosse. 2009. “Mycorrhizas in Tropical Forests: a Neglected Research Imperative”. *New Phytol* 182:14–16.
- Alexopoulos, C.J. and C.H. Mims. 1979. *Introductory Mycology*. John Willey and Sons. New York.
- Alrasjid. H. 1972. *Teknik Persemaian dan Penanaman di Jepang*. Lap. No. 142. LPH. Bogor
- Anggangan, N.S., B. Dell, N. Malajczuk dan R. De La Cruz. 1998. “Field

Performance of *Eucalyptus urophylla* Inoculated with Introduced and Indigenous Strains of *Pisolithus* at Three Sites in the Philippines”. Dalam BIO-REFOR Proceedings: Brisbane Workshop. BIO-REFOR/IUFRO/SPDC

- Anwar, C. 1979. *Cara Inokulasi Cendawan Mikoriza Terhadap Perkembangan Mikoriza dan Pertumbuhan Anakan Pinus merkusii (The Effect of The Method of Inoculation with Mycorrhizal Fungi on The Development of Mycorrhiza and Growth of Pinus merkusii Seedlings)*. Lembaga Penelitian Hutan. Bogor. Laporan No. 325
- Anwar, J., S. J. Damanik dan N. Hisyam. 1984. *Ekologi Ekosistem Sumatera*. Gajah Mada University Press. Yogyakarta.
- Bâ, A.M., K.B. Sanon., R. Duponnois dan J. Dexheimer. 1999. “Growth Response of *Azeli africana* Sm. Seedlings to Ectomycorrhizal Inoculation in a Nutrient Deficient Soil”. *Mycorrhiza* 9:91–95.
- Baghel, R.K., R. Sharma and A.K. Pandey. 2009. “Activity of Acid Phosphatase in the Ectomycorrhizal Fungus *Cantharellus Tropicalis* Under Controlled Conditions”. *J. Trop For Sci* . 21(3):218–222.
- Bakar, A., A. Salsabilla dan J. Gani. 1992. *Keanekaragaman Hewan Vertebrata di HPPB Unand. Beberapa Aspek Biologi Tropika Sumatera Bagian Tengah*. Laporan Proyek Bantuan Kerjasama Luar Negeri Unand & Japan International Corporation Agency.
- Baxter, A.P. and E. Van der Linde. 1999. *Collecting and Preserving Fungi. A Manual For Mycology*. ARC. Plant Protection Research Institute. Pretoria, South Africa
- Bonafante, P., R. Balestrini., E. Martino., S. Perotto., C. Plassard and D. Mousin. 1998. “Morphological Analysis of Early Contacts Between Pine Roots and Two ectomycorrhizal *Suillus* strain”. *Mycorrhiza*. 8: 1-10.
- Bowen, G.D. 1980. *Mineral Nutrition of Ectomycorrhizae. Their Ecology and Physiology*. Ed: By Marks and Kozlowski, Academic Press New York and London. p. 151-197
- Bowen, G.D. 1994. “The Ecology of Ectomycorrhiza Formation and Functioning”. *Plant soil*. 159: 61-67.

- Brearly, F.Q., J.D. Scholes., C.M. Press and G. Palfner. 2007. "How does Light and Phosphorus Fertilization Affect the Growth and Ectomycorrhizal Community of Two Contrasting Dipterocarp Species". *Plant Ecol.* 192:237–249.
- Brundrett, M,N; Bougher, B. Dell, T. Grove and N. Malajczuk. 1996. *Working With Mycorrhizas in Forestry and Agriculture*. Australian Centre for International Agricultural Research. Canberra.
- Byrd, K.B., V.T. Parker., D.R. Vogler and K.W. Cullings. 2000. "The Influence of Clear Cutting on Ectomycorrhizal Fungus Diversity in a Lodgepole Pine (*Pinus contorta*) Stand, Yellowstone National Park, Wyoming, and Gallatin National Forest, Montana". *Cen J Bot.* 78(2): 149-156.
- Cairney, J.W.G and S.M. Chambers. 1999. *Ectomycorrhizal Fungi Key Genera in Profile*. Springer. Germany.
- Chairul and T. Yoneda. 1997. *Phenological of Fagaceous Trees in a Lowland Tropical Rainforest, West Sumatera. Annual Report of FBRT Project*. No. 3. Japan International Cooperation Agency (JICA) Andalas University. Indonesia.
- Chazdon, R.L, and F.G .Coe., 1999. "Ethnobotany of Woody Species in Second Growth, Old Growth, and Selectively Logged Forest of Noortheastern Costa Rica". *Conserv. Biol* 13, 1312-1322.
- Chen, Y., L. Kang,, B. Dell, and N. Malajczuk. 2006. "Selecting Ectomycorrhizal Fungi for Inoculating Plantations in South China : Effect of *Scleroderma* on Colonization and Growth of Exotic *Eucalyptus globulus*, *E. urophylla*, *Pinus elliotii*, and *P. Radiate*". *Mycorrhiza*, March 14.
- Chen, Y., B. Dell, and N. Malajczuk. 2006. "Effect of *Scleroderma* Spore Density and Age on Mycorrhiza Formation and Growth of Containerized *Eucalyptus globulus* and *E. urophylla* Seedlings". *New Forests*. 31(3): 453-467.
- Chokchaichamnankit, P., W. Shulalaksananukul., C. Phengkai and K. Anamthawat-Jonsson. 2008. "Diversity of Fagaceae in Northern Thailand Based on ISSR Markers". *J. Trop. For. Sci.* 20(1): 8–18.
- Chowwanapoonpohn, S., D. Buddasukh, and M. Garson. 2005. "Isolation of

- Pentacyclic Triterpenoid Compounds from *Lithocarpus elegans* (Bl.) Hatus. Ec Soep. by Electrocoagulation”. ISHS Acta Horticulturae 677: III WOCMAP Congress on Medicinal and Aromatic Plants, Volume 3: 189. Perspectives in Natural Product Chemistry.
- Cockburn, P.F. 1972. Tree Flora of Malaya. *A Manual for Foresters*, Volume 1. Forest Departement Ministry of Agriculture and Lands Malaysia
- Conservation International Indonesia, 2006. *Determining Key Biodiversity Areas (KBA) in Sumatra*. Workshop and Discussion on Data Sharing, Networking, Monitoring and Identifying Conservation Needs, Padang and Nangroe Aceh Darussalam
- Darmawan, J. dan J. Baharsjah. 1983. *Dasar-dasar Ilmu Fisiologi Tanaman. Suryandaru Utama*. Semarang. p.88
- Darwo dan Sugiarti. 2008. “Beberapa jenis Cendawan Ektomikoriza di Kawasan Hutan Sipirok, Tongkoh, dan Aek Nauli, Sumatera Utara”. *Jurnal Penelitian Hutan dan Konservasi Alam*. Vol. V (2): 157-173.
- De La Cruz, R.E. 1979. “Mycorrhizae Indispensable Allies in Forest Regeneration”. Symposium in Forest Regeneration in Southeast Asia Seameo Biotrop. Bogor.
- De La Cruz, R.E. 1983. “Technologies for the Inoculation of Mycorrhizae to Pine”. Asean Workshop on Nursery and Plantation Practices in Asean. Jakarta.
- Dell, B., N. Malajczuk., N.L. Bougher, and G. Thomson. 1994. “Development and Function of *Pisolithus* and *Scleroderma* Ectomycorrhizas Formed in vivo with *Allocasuarina*, *Casuarina* and *Eucalyptus*”. *Mycorrhiza* 5: 129-138.
- Dixon, R.K., H.E. Garret., G.S. Cox and S.G. Paleardy. 1983. “Mycorrhizae and reforestation success in the Oak. Hickory Region”. Proceeding of Seedlings Physiology and Reforestation Success. Edited by Duryea M.L. dan G.N. Brown, Martinus, N.I.J. Haff/Dr W. Junk. Publishers Dordrech/Boston/Lancoster.
- Dixon, R.K., A.E. Garret., G.S. Lox., P.S. Johnson and T.L. Gander. 1984. “Inoculation of Three *Quercus* Spesies with Eleven Isolate of Ectomycorrhizae Fungi. I. Inoculation Successan Seedling Growth

- Relationship". *Forest Sci.* 30:364-372
- Duñabeitia, M.K., S. Hormilla., J.I. Garcia-Plazaola., K. Txarterina., U. Arteche and J.M. Becerril. 2004. "Differential Responses of Three Fungal Species to Environmental Factors and Their Role in the Mycorrhization of *Pinus radiata* D. Don". *Mycorrhiza* 14:11–18.
- Fakuara, Y. dan Y. Setiadi. 1986. "Peranan Mikoriza bagi Tanaman Kehutanan". Prosiding Diskusi Terbatas dalam Beberapa Aspek Pembangunan Hutan. Jakarta.
- Fakuara, Y. 1988. *Mikoriza: Teori dan Kegunaannya Dalam Praktek*. PAU Bioteknologi. Institut Pertanian Bogor, Bogor.
- Faridah, E. 1996. "Pengaruh Intensitas Cahaya, Mikoriza dan Serbuk Arang Pada Pertumbuhan Alam *Dryobalanops* sp". Buletin Penelitian No. 29. Fakultas Kehutanan Universitas Gajah Mada. Yogyakarta.
- Fey, B.S, and P.K. Adress. 1981. *Development and Morphologic Interpretation of the Cupule in Fagaceae*. Institute fur Systematische Botanik, Universitat Zurich, Schweiz.
- Finlay, R.B. 1992. *Uptake and Translocation of Nutrients By Ectomycorrhizal Fungal Mycelia*. Hal 91 – 97 dalam *Mychorrizas in Ecosystems*. Read, D.J., D.H. Lewis, A.H. Fitter and I.J. Alexander (Penyunting). CAB. International University Press. Cambridge.
- Fortin, J. S. A. 1980. "Synthesis of Mycorrhiza on Explants of *Pinus sylvestris* L". *Can. J.* 44. p. 1087-1092
- Fujii, S., T. Yoneda and S. Nishimura. 1996. *Floristik Study of Fagaceae in Lowland at West Sumatera*. Annual Report of FBRT Project. JICA. Unand.
- Fujii, S., T. Yoneda dan S. Nishimura. 1997. *Specimen List of Fagaceae in Herbarium Universitas Andalas*, Annual Report of FBRT Project. No. 3. Japan International Cooperation Agency (JICA) Andalas University. Indonesia
- FWI/GFW. 2001. *Keadaan hutan Indonesia. Forest Watch Indonesia dan Washington D.C.* Global Forest Watch. Bogor, Indonesia
- Gardes, M dan .D. Bruns. 1996. "Community Structure of Ectomycorrhizal Fungi in a *Pinus muricata* Forest : Above and Below Ground Views". *Can. J. Bot.*

74: 1572-1583.

- Hackskaylo, E. 1973. *Carbohydrate physiology of Ectomycorrhizae. In Their Ecology and Physiology* (ed. By Marks, G.C. dan T.T. Kozlowski). Academic Press New York and London.
- Hadi, S. 1994. "Taksonomi dan Biologi Mikoriza. Laporan Program Pelatihan Biologi dan Bioteknologi Mikoriza". Vol. II. SEAMEO BIOTROP. Bogor. Hal. 21-40
- Hadi, S. 2000. "Status Ektomikoriza pada Tanaman Hutan Di Indonesia". Prosiding Seminar Nasional Mikoriza I. Bogor. Asosiasi Mikoriza Indonesia. Bogor
- Hagerman, S.M., M.D. Jones., M. Gillespie dan D.M. Durall. 1999. "Effects of Clear-Cut Logging on the Diversity and Persistence of Ectomycorrhizae at a Subalpine Forest". *Can J For Res.* 29(1): 124-134.
- Hall, I.A., W. Yun., dan A. Amicucci. 2003. "Cultivation of Edible Ectomycorrhizal Mushrooms". *Trends Biotechnol* 21:433-438.
- Harkonen, M., Niemela, dan L. Mwasumbi. 2003. *Tanzanian Mushrooms. Edible, harmful and Other Fungi. Botanical Museum, Finnish Museum of Natural History.* University of Helsinki. Finland.
- Harley, J.L., 1972. *Biology of mycorrhiza.* Second Edition. Leonard Hill-Book, London. p.334.
- Harley, J.L. and S. E. Smith. 1983. *Mycorrhizal Symbiosis.* Academic Press. Toronto
- Hellal, H.M. and Sauerbeck. 1984. "Influence of Plant Roots on C And P Metabolism In Soil". *Plant Soil.* 76 : 175 – 182.
- Hendra, D. 2006. *Komposisi dan Struktur Pohon Di Kawasan Hutan Sekunder Limau Manis.* [Skripsi] Padang. Biologi FMIPA Universitas Andalas.
- Hidayat, S. 2015. "Komposisi dan Struktur Tegakan Penghasil Kayu Bahan Bangunan di Hutan Lindung Tanjung Tiga, Muara Enim, Sumatera Selatan". *Jurnal Manusia dan Lingkungan,* Vol. 22, No.2, Juli 2015: 194-200. Pusat Konservasi Tumbuhan Kebun Raya Bogor-LIPI
- Hughes, E dan D.T. Mitchell. 1995. "Utilization of Sucrose By *Hymenosyphus ericae* (An Ericoid Endomycorrhizal Fungus) and Ectomycorrhizal Fungi".

Mycol. Res. 99 : 1233 – 1238

- Imas. T., R.S. Hadioetomo, A.W. Gunawan. dan Y. Setiadi. 1989. *Mikrobiologi Tanah II*. Bogor. Pusat Antar Universitas Bioteknologi Institut Pertanian Bogor.
- Jacobson, K.M. and O.K. Miller, Jr. 1992. "Physiological Variation Between Tree Associated Populations of *Suillus granulatus* as determined by in vitro Mycorrhizal synthesis Experiments". *Can. J. Bot.* 70: 26-31
- Jeffries, P., and J.C. Dodd. 1991. *The Use of Mycorrhizal Inoculants in Forestry and Agriculture*. In: Arora, D.K. Rai, B. Mukerji, K.G. Knudsen, G.R. (eds). *Handbook of Applied Mycology: Soil Plants*. Vol 1. Marcel Dekker. New York.
- Jeffries, P. 1999. *Scleroderma*. In Cairney, J.W.G. and S.M. Chambers (eds). *Ectomycorrhizal Fungi Key Genera in Profile*. Springer-Verlag Berlin Heidelberg. New York. p. 187-200.
- Kennedy, P.G dan T.D. Bruns. 2005. "Priority Effect Determine the Outcome of Ectomycorrhizal Competition Between Two Rhizopogon Species Colonizing *Pinus muricata* seedlings". *New Phytol* 166:631–638.
- Kikuchi, J. 1994. "Mycorrhiza Formation of *Shorea parvifolia* Seedlings in Logged-over Forest". Dalam BIO-REFOR Proceedings : Yogyakarta Workshop. K. Suzuki dkk., BIO-REFOR/IUFRO/SPDC.
- Kikuchi, J. dan M. Ogawa. 1995. "Nitrogen-fixing (Acetylene Reducing) Activity in the Mycorrhizas of Dipterocarp Seedlings". Dalam BIO-REFOR Proceedings: Tampere Workshop. K. Suzuki dkk. Penyunting. BIO-REFOR/IUFRO/SPDC. p. 71-80.
- Kikuchi, J. 1997. "Ectomycorrhiza Formation of Dipterocarp Seedlings". Dalam BIO-REFOR Proceedings: Bangkok Workshop. U. Sangwanit dkk., BIO-REFOR/IUFRO/SPDC.
- Konemann. 1999. *The Great Encyclopedia of Mushrooms*. Neue Stalling, Oldenburg. Germany.
- Kope, H. dan J.A. Fortin. 1990. "Antifungal Activity in Culture Filtrate of the Ectomycorrhizal Fungus *Pisolithus tinctorius*". *Can J Bot.* 68: 1254-1259
- Kranabetter J.M., J. Friesen., S. Gamiel dan P. Kroeger. 2009. "Epigeous Fruiting

- Bodies of Ectomycorrhizal Fungi as Indicators of Soil Fertility and Associated Nitrogen Status of Boreal Forests”. *Mycorrhiza* 19 :535-548.
- Kuo, M. 2004,. *Scleroderma citrinum*. Retrieved from the *Mushroom Expert.Com*
Web site: http://www.mushroomexpert.com/Scleroderma_citrinum.html.
- Laessoe, T. 1998. *Mushrooms*. Dorling Kindersley Limited, London.
- Laumonier .Y. 1997. *The Vegetation and Physiography of Sumatra*. Editor MJA Werger. Kluwer Academic Publisher. Netherland.
- Leake., D. Johnson., D. Donnelly., G. Mucle., L. Boddy dan D. Read. 2004. “Network of Power and Influence: The Rule of Mycorrhizal Mycelium in Controlling Plant Communities and Agroecosystem Functioning”. *Can J Bot.* 82: 1016–1045.
- Lee, S.S. 1994. *Root Symbiosis and Nutrition*. dalam : S. Appanah and C. Cossalter (Penyunting). State of Knowledge and Priorities and Needs for Future Research. Proceeding of 5th Roundtable Conference on Dipterocarps, Chiangmai, Thailand.
- Lee, S.S., Lapeyrie and M. Y. Sanip. 1995. “Techniques for Controlled Ectomycorrhizal Inoculation of Dipterocarp Seedlings and Cuttings”. Halaman 217 – 221, dalam *Biology and Biotechnology of Ectomycorrhizae*. Supriyanto & J.T. Kartana, Penyunting. BIOTROP Special Publication No. 56. Biotrop. Bogor
- Lee, S. S., R. Watling, and E. Turnbull. 2002. *Diversity of putative ectomycorrhizal fungi in Pasoh Forest Reserve*. dalam : Okada, T (ed.) *Pasoh : Ecology and Natural History of a Southeast Asia Lowland Tropical Rainforest*. Springer. London.
- Lehto. T and J.J. Zwiazek. 2011. “Ectomycorrhizas and Water Relations of Trees: a Review”. *Mycorrhiza* 21:71–90
- Lu, X., N. Malajczuk dan B. Dell. 1998. “Mycorrhiza Formation and Growth of *Eucalyptus globulus* Seedlings Inoculated with Spores of Various Ectomycorrhizal Fungi”. *Mycorrhiza* 8: 81-86
- Lu, X., N. Malajczuk dan M. Brundrett. 1999. ”Fruiting of Putative Ectomycorrhizal Fungi Under Blue Gum (*Eucalyptus globulus*) Plantations of Different Ages in Western Australia”. *Mycorrhiza* 8:255-261.

- Marx, D.H. 1973. "Growth of Ectomycorrhizal and on Mycorrhizal Short Leaf Pine Seedling in Soil with *Phytophthora cinnamomi*". *Phytopathology* 63. p.18-23.
- Marx, D.H., J.L. Ruehle, dan C.E., Cordell. 1992. *Methods for Studying Nursery And Field Response of Trees to Specific Ectomycorrhiza*, pp 338-340. dalam: Norris, J.R., D.J. Read, and A. K. Varma. *Methods in Microbiology: Techniques for Mycorrhizal Research*. Academic Presss. San Diego
- Melin, E. 1963. *Some Effects of Forest Tree Roots on Mycorrhizal Basidiomycetes*. dalam: *Symbiotic Associations*. B. Mosse and P.S. Nutman (Penyunting). Cambridge University Press. London & New York. p. 124-145
- Meyer, F.H. 1973. *Distribution of Ectomycorrhizae in Native and Man-made Forest*. Acad. Press. New York.
- Moore-Landecker, E. 1972. *Fundamentals of the Fungi*. Prentice-Hall, Inc. Englewood Cliffs. NY.
- Nara. K. 2006. "Ectomycorrhizal Network and Seedling Establishment During Early Primary Succession". *New Phytol* 169:169–178.
- Nasir, N., Suswati, dan Alamsjah, F. 2009. *Eksplorasi Potensi Fungi Mikoriza Arbuskular (FMA) dari Kelompok Jahe-jahean di HPPB Universitas Andalas Sebagai Sumber Pupuk dan Agensia Hayati*.
- Natarajan, K., V. Mohan and K. Ingleby. 1992. "Correlation Between Basidiomata Production and Mycorrhizal Formation in *Pinus petula* Plantations". *Soil Biol Biochem*. 24: 279-280
- Nishimura, S., T. Yoneda, S. Fujii., dan R. Tamin. 1996. *Distribution of Fagaceae in Foothill and Lowland Rain Forest in West Sumatera*. Annual Report of FBRT Project. No. 2. Japan International Cooperation Agency (JICA) Andalas University. Indonesia
- Nishimura, S., T. Yoneda.,S. Fujii dan R. Tamin. 1997. *Flora and Dynamics of Secondary Forest in West Sumatera (A Case Study of Kandis Plot in Sipisang Village)*. Annual Report of FBRT Project. No. 3. Japan International Cooperation Agency (JICA) Andalas University. Indonesia
- Nuhamara, T.S. 1984. "Mycorrhiza as an Alternative Strategy in Tropical Agriculture". Dalam *Research in Agriculture Microbiology in Southeast*

- Asia, BIOTROP, Indonesia Spec. Publ. No.23. p.193-201.
- Nuhamara, S.T. 1986. *Mycorrhiza in Agroforestry, a Case Study*. dalam E. Torquebiau (Penyunting). Multidisciplinary Research Project on *Shorea javanica*. SEAMEO BIOTROP, Bogor.
- Nuhamara, S. T. 1993. "Mikoriza Sebagai Suatu Model Parasitisme". Technical notes, Jurusan Manajemen Kehutanan. Fakultas Kehutanan. Vol. 1, No 2. p. 10.
- Onguene, N.A dan T.W. Kuyper. 2002. "Importance of Ectomycorrhiza Network for Seedling Survival and Ectomycorrhiza Formation in Rain Forests of South Cameroon". *Mycorrhiza* 12:13–17.
- Obase, K., Y. Tamai., T. Yajima dan T. Miyamoto. 2009. "Mycorrhizal Synthesis of Four Ectomycorrhizal Fungi in Potted *Populus maximowichii* Seedlings". *Mycoscience* 50:143—145
- Ogawa, M. 1992. "Mycorrhiza of Dipterocarps". Proceedings of Tsukuba Workshop. Tsukuba Science City, 19-21 May 1992. BIO-REFOR. IUFRO. SPDC. Hal: 185-188
- Omon, R.M. 2002. "Dipterocarpaceae: *Shorea leprosula* Miq. Cuttings, Mycorrhizae and Nutrients". Tropenbos–Kalimantan Series 7. MOF–Kalimantan Programme. Ponsen & Looijen, Wageningen, The Netherlands.
- Onguene NA dan T.W. Kuyper. 2002. "Importance of Ectomycorrhiza Network for Seedling Survival and Ectomycorrhiza Formation in Rain Forests of South Cameroon". *Mycorrhiza* 12:13–17.
- Pampolina, N.M., B. Dell dan N. Malajczuk. 2002. "Dynamics of Ectomycorrhizal Fungi in *Eucalyptus Globulus* Plantation: Effect of Phosphorus Fertilization". In: *Forest Ecology and Management* 158: 291-304. Elsevier Science B.V.
- Peterson, R.L dan M.L. Faquhar.1994. "Mycorrhizas: Integrated Development Between Roots and Fungi". *Mycologia* 86 (3): 120 – 126
- Peterson, R.L dan M.I. Farquhar. 1994. "Integrated Development Between Roots and Fungi". *Mycologia* 86: 311–326
- Raharjo, S.W.B dan Achmad. 1993. *Penuntun Praktikum Mikoriza*. PAU

Bioteknologi IPB. Bogor

- Rahman, M., R. Tamin., Syahbuddin., D. Rangkuti., R. Syafinah., A. Arbain., Chairul., Syamsuardi dan Z.A. Noli. 1993. *Inventarisasi Sumberdaya Flora Di Hutan Pendidikan dan Penelitian Biologi (HPPB) Universitas Andalas*. Laporan Penelitian Dana OPF Unand. Padang.
- Rasyid., H.A, Martuah., H. Wijayakusumah dan D. Hendarsyah. 1991. Dipterocarpaceae. Badan Penelitian dan Pengembangan Kehutanan. Departemen Kehutanan. Jakarta.
- Reddy, M.S. dan K. Natarajan. 1997. "Coinokulation Efficacy of Ectomycorrhizal Fungi on *Pinus patula* Seedlings in Nursery". *Mycorrhiza* 7:133-138
- Rinaldi, A and U. Tyndalo. 1985. *The Complete Books of Mushroom Crescent Books*. New York. Hal 119
- Rumberger, M.D., B. Munzenberger., O. Bens., F. Ehrig., P. Lentzsch dan R. F. Huttel. 2004. "Changes in Diversity and Storage Function of Ectomycorrhiza and Soil Organoprotile Dynamics After Introduction of Beech Into Scots Pine forests". *Plant Soil* 264: 111 – 126.
- Russel, E.W. 1963. *Soil Conditions and Plant Growth*. 9th ed. John Wiley and Sons Inc. New York. P. 849
- Samsoesdin, I., 2009. "Dinamika Keanekaragaman Jenis Pohon Pada Hutan Produksi Bekas Tebangan di Kalimantan Timur". *Jurnal Penelitian Hutan dan Konservasi Alam*, 6(1):69-78.
- Sangwanit, U. dan T. Sangthian 1992. "Ability of Some Ectomycorrhizal Fungi in Forming Ectomycorrhizal With *Dipterocarpus alatus* Roxb. Seedling". Proc. of Tskuba-Workshop. Bio_Revor. P. 154-160.
- Sanon. K.B., A.M. Bâ., C. Delaruelle., R. Duponnois dan F. Martin. 2009. "Morphological and Molecular Analysis in *Scleroderma* Species Associated with Some Caesalpinoid Legumes, Dipterocarpaceae, and Phylanthaceae Trees in Southern Burkina Faso". *Mycorrhiza* 19:571–584.
- Santoso, E. 1988. *Pengaruh Fungi Mikoriza Terhadap Pertumbuhan Bibit Dipterocarpaceae*. [Thesis]. Bogor. Fakultas Pasca Sarjana. Institut Pertanian Bogor.
- Santoso. E. 1996. *Hubungan Perkembangan Ektomikoriza dengan Populasi Jasad*

Renik dalam Rizosfir dan Pengaruhnya terhadap Pertumbuhan Eucalyptus pellita dan Eucalyptus urophylla. [Disertasi]. Bogor. Institut Pertanian Bogor.

- Santoso, E., M. Turjaman dan R.S.B. Irianto. 2003. “Adopsi Teknologi Perakaran Tanaman dalam Menunjang Keberhasilan GN-RHL”. Prosiding Seminar Mikoriza, Bandung, 16 September 2003.
- Santoso, E., M. Turjaman., R.S.B. Irianto. 2006. “Aplikasi Mikoriza untuk Meningkatkan Kegiatan Rehabilitasi Hutan dan Lahan Terdegradasi”. Makalah Utama pada Ekspose Hasil-hasil Penelitian: Konservasi dan Rehabilitasi Sumberdaya Hutan. Padang.
- Sass, J.E. 1958. *Botanical Microtechnique*. The Iowa State University Press, Ames. Iowa.
- Scholl, L., W.G. Keltjens., E. Hoffland dan N. van Breemen. 2005. “Effect of Ectomycorrhizal Colonization on the Uptake of Ca, Mg and Al by *Pinus sylvestris* Under Aluminium Toxicity”. *Forest Ecol Manag.* 215: 352 – 360
- Seibert, B. 1993. *Light Requirement of Seedlings of Some Dipterocarpaceae in the Field and in the Green and in the Shadehouse*. A Literature and Annotated Bibliography GFG Report no. 16. Universitas Mulawarman. Samarinda
- Setiadi, Y. 1989. *Pemanfaatan Mikroorganisme dalam Kehutanan*. Direktorat Jenderal Pendidikan Tinggi. PAU Bioteknologi Institut Pertanian Bogor. Bogor
- Setyawati, T. 2010. *Pemanfaatan pohon berkhasiat obat di Cagar Alam Gunung Picis dan Gunung Sigogor, Kabupaten Ponorogo, Jawa Timur*. Pusat Litbang Hutan dan Konservasi Alam. Jawa Timur.
- Sims, K.P., Robin Sen., R. Watling and P. Jeffries. 1999. “Species and Population Structures of *Pisolithus* and *Scleroderma* Identified by Combined Phenotypic and Genomic Marker Analysis”. *Mycol Res.* 103 (4): 449 – 458.
- Smith, A.H. 1975. *A Field Guide to Western Mushrooms*. The University of Michigan Press. United States of America
- Smiths, W.T.M. 1992. *Mycorrhizal Studies in Dipterocarp Forests in Indonesia*. Dalam D.J. Read, D.H. Lewis, A.H. Filter and I.J. Alexander. (Penyunting). *Mycorrhizas in Ecosystems*. C.A.B. International. UK. P.

283-293.

- Smith, S.E., V. Gianinazi-Pearson, R. Koide dan J.W.G. Cairney 1994. *Nutrient Transport in Mycorrhizas: Structure, Physiology and Consequences for Efficiency of the Symbiosis*. P.103-104. dalam. A.D. Robson, L.K. Abbott and N. Malajczuk (eds) *Management of Mycorrhizas in Agriculture, Horticulture and Forestry* Kluwer Academic Publishers.
- Smith, S.E dan D.J. Read. 2008. *Mycorrhizal Symbiosis*. 3rd Edition. London. Academic Press.
- Soepadmo, E. 1972. *Flora Malesiana*. Serie I, Volume 7. Part 2. Bogor.
- Soerianegara, I dan A. Indrawan. 1978. *Ekologi Hutan Indonesia*, Bogor. Departemen Managemen Hutan. Fakultas Kehutanan.
- Steel, G.D.R. dan J. H. Torrie. 1980. *Prinsip dan Prosedur Statistika, Suatu Pendekatan Biometrik*. PT. Gramedia. Jakarta.
- Stendell, A.R., T.R. Horton dan T.D. Bruns. 1999. "Early Effects of Prescribed Fire on the Structure of Ectomycorrhizal Fungus Community in a Sierra Nevada Ponderosa Pine Forest". *Mycol Res*. 103(10): 1352-1359.
- Sufaati, S. 2002. *Growth of Eucalyptus urophylla S.T. Blake and Pinus merkusii Junghuhn & De Vriese in Vermikompost-Amended Gold-Mining-Waste-Rock-Dump Inoculated with Scleroderma columnare Berk & Br. and Scleroderma dictyosporum PAT*. [Thesis]. College of Science University of the Philippines Diliman, Quezon City.
- Suhardi. 1992. "Effect of Shading, Fertilizer and Mulching with Alang-alang to the Early Growth and Mycorrhiza Formation". dalam BIO-REFOR Proceedings: Bangkok Workshop. U. Sangwanit, dkk. BIO-REFOR, IUFRO,SPDC
- Suhardi. 1995. "Effect of Organic Matter, Rockphosphate, Mycorrhizal Inoculation and Shading on the Growth of *Hopea gregaria* Seedlings". dalam BIO-REFOR Proceedings: Kangar Workshop. W. Ratnam, dkk. BIO-REFOR, IUFRO,SPDC
- Sujarwo, W dan I.D.P. Darma. 2011. "Analisis Vegetasi dan Pendugaan Karbon Tersimpan pada Pohon di Kawasan Sekitar Gunung dan Danau Batur Kintamani Bali". *Jurnal Bumi Lestari* 11 (1), 85-92.

- Supriyanto, I. Setiawan, O. Mulyana dan E. Santoso. 1994. "Effectiveness of *Scleroderma dictyosporum* Obtained by Protoplast Culture in Accelerating the Growth of *Shorea selanica* and *Shorea leprosula*". Hal: 170-175 dalam BIO REFOR Proceedings Kangar Workshop. W. Ratnam dkk, Penyunting BIO REFOR/IUFRO/SPDC.
- Supriyanto, I. Setiawan, dan R.M. Omon. 1994. "Effect of *Scleroderma columnare* on *Shorea mecisopteryx* Ridl. Seedlings". Hal: 186-188 dalam BIO REFOR Proceedings Yogyakarta Workshop. K. Suzuki dkk, Penyunting BIO REFOR/IUFRO/SPDC.
- Supriyanto, dan I. Setiawan. 1995. "Ecological Requirements for Natural Fruit Body Formation of *Scleroderma columnare*". BIOTROP Special Publication. No. 56: 67-71
- Supriyanto. 1996. "Conservation and Utilization of Mycorrhizal Fungi Genetic Resources". SEAMEO forum 3: 19-23
- Supriyanto. 1999. "The Effectiveness of Some Ectomycorrhizal Fungi in Alginate Beads in Promoting the Growth of Several Dipterocarp Seedlings". BIOTROPIA. No. 12:59-77.
- Tantra, M. 1978. *Flora Pohon Indonesia*. Lembaga Penelitian Hutan. Bogor
- Tjitrosoepomo, G. 1994. *Taksonomi Tumbuhan Obat-obatan*. Universitas Gajah Mada Press, Yogyakarta
- Wallander, H., L.O. Nilsson., D. Hagerberg., E. Bååth. 2001. "Estimation of the Biomass and Seasonal Growth of External Mycelium of Ectomycorrhizal Fungi in the Field". *New Phytol* 151:753-760
- Watling, R., S.S. Lee and E. Turbull. 2002. "The Occurrence and Distribution of Putative Ectomycorrhizal Basidiomycetes in a Regenerating South-east Asian Rainforest". dalam : Watling, R. J.C. Frankland, A.M., Ainsworth, S. Isaac and C.H. Robinson (eds.) *Tropical Mycology*. Vol. 1. Macromycetes. New York: CABI Publishing. p. 116-203.
- Wilcox, H. 1983. "Fungal Parasitism of Woody Plant Roots From Mycorrhizal Relationships To Plant Disease". *Annu Rev Phytopathol*. 21:221-242
- Wolp, F and F.T. Wolf. 1969. *The Fungi*. John Willey and Sons, New York. p. 297.
- Wulandari, A.S., Supriyanto., E. Guhardja., M.A. Rifai., Y. Fakuara dan N.

- Sukarno. 1999. *Effect of a Thermal-Shock on Fruiting-body Induction of Scleroderma sinnamariense Associated with Gnetum gnemon Seedlings*. dalam: Smith, F.A., Kramadibrata., R.D.M. Simanungkalit., N. Sukarno dan S.T. Nuhamara, editors. *Mycorrhizas in Sustainable Tropical Agriculture and Forest Ecosystems*. Proceedings of International Conference on Mycorrhizas. Bogor, P. 195-198.
- Wulandari, A.S. 2002. *Beberapa Gatra Biologi Ektomikoriza Scleroderma pada Melinjo* [disertasi]. Bogor: Program Pascasarjana, Institut Pertanian Bogor.
- Yamada, A., H. Kobayashi., T. Ogura dan M. Fukada. 2007. "Sustainable Fruit Body Formation of Edible Mycorrhizal *Tricholoma* species for 3 Years in Open Pot Culture with Pine Seedling Hosts". *Mycoscience* 48:104–108.
- Yasman, I. 1995. *Dipterocarpaceae: Tree-Mycorrhizae-Seedling Connections*. PhD Thesis, Wageningen Agricultural University, The Netherlands. Tropenbos Foundation . Den Haag.
- Yasman, I. 1997. "The Nursing Role of Mother Tree through Ectomycorrhizae in Dipterocarp Regeneration". dalam BIO-REFOR Proceedings: Bangkok Workshop. U. Sangwanit, dkk. BIO-REFOR, IUFRO,SPDC
- Yoneda, T., S. Nishimura., S. Fujii., Chairul., E. Mukhtar., R. Tamin dan M. Rahman. 1997. *Ecology of Fagaceae in a Tropical Rainforest, West Sumatera. An assessment of Human Impact on Vegetation in Batang Anai Watershed (IV)*. Annual Report of FBRT Project. No. 3. Japan International Cooperation Agency (JICA) Andalas University. Indonesia
- Zak, B. 1971. "Characterization and Identification of Douglas-fir Mycorrhizae". dalam E. Hackskaylo (Penyunting). *Mycorrhizae*. Proceedings of the First North American Conference on Mycorrhizae. Washington, D.C. p: 38-53
- Zak, B. 1973. "Classification of Ectomycorrhizae". dalam Marks, G.C. and T.T. Kozlowski (Penyunting). *Ectomycorrhizae. Their Ecology and Physiology*. Academic Press. p: 43-78
- Zeng R.S., A.U. Mallik and E.D. Setliff. 2003. "Growth Stimulation of Ectomycorrhizfungi by Root Exudates of Brassicaceae Plants: Role of Degraded Compounds of Indole Glucosinolates". *J. Chem Ecol* 29:1337–1355.