DAFTAR PUSTAKA

Ådjers, G., Kuusipalo, J., Hadengganan, S., Nuryanto, K., Vesa, L., 1996. Performance of ten dipterocarp species in restocking logged-over forest areas subjected to shifting cultivation. J. Trop. For. Sci. 9, 151–160.

Arif, I., Halawane, J.E., 2016. Pengaruh naungan dan pupuk npk terhadap pertumbuhan *Shorea assamica* Dyer. di persemaian (Effect. J. Pembenihan Tanam. Hutan 4, 81–93.

Balestrini, R., Bonfante, P., 2014. Cell wall remodeling in mycorrhizal symbiosis: A way towards biotrophism. Front. Plant Sci. 5, 1–10.

Balestrini, R., Kottke, I., 2016. Structure and development of ectomycorrhizal roots. Mol. Mycorrhizal Symbiosis 47–61.

Barclay, G.F., 2015. Anatomy and Morphology of Seed Plants. John Wiley & Sons, Ltd:Chichester.

Barita, Y., Prihastanti, E., Haryanti, S., Subagio, A., 2018. The influence of granting NPK fertilizer and nanosilic fertilizers on the growth of Ganyong plant (*Canna edulis* Ker.). J. Phys. 1025, 1–11.

Becquer, A., Guerrero-Galán, C., Eibensteiner, J.L., Houdinet, G., Bücking, H., Zimmermann, S.D., Garcia, K., 2019. The ectomycorrhizal contribution to tree nutrition. Adv. Bot. Res. 89, 77–126.

Brearley, F.Q., 2012. Ectomycorrhizal Associations of the Dipterocarpaceae. Biotropica 44, 637–648.

Brearley, F.Q., Scholes, J.D., Press, M.C., Palfner, G., 2007. How does light and phosphorus fertilisation affect the growth and ectomycorrhizal community of two contrasting dipterocarp species? Plant Ecol. 192, 237–249.

Brundrett, M., 2004. Diversity and classification of mycorrhizal associations. Biol. Rev. Camb. Philos. Soc. 79, 473–495.

Brundrett, M., Bougher, N., Dell, B., Grove, T., Malajczuk, N., 1996. Working with Mycorrhizas in Forestry and Agriculture Mycorrhizas of Australian Plants. Banksia Woodland Restoration Project 374 pp.

Brundrett, M.C., 2002. Coevolution of roots and mycorrhizas of land plants. New Phytol. 154, 275–304.

Bücking, H., Liepold, E., Ambilwade, P., 2012. The Role of the Mycorrhizal Symbiosis in Nutrient Uptake of Plants and the Regulatory Mechanisms Underlying These Transport Processes.

Buscot, F., 2015. Implication of evolution and diversity in arbuscular and ectomycorrhizal symbioses. J. Plant Physiol. 172, 55–61.

Casieri, L., Ait Lahmidi, N., Doidy, J., Veneault-Fourrey, C., Migeon, A., Bonneau, L., Courty, P.E., Garcia, K., Charbonnier, M., Delteil, A., Brun, A., Zimmermann, S., Plassard, C., Wipf, D., 2013. Biotrophic transportome in mutualistic plant-fungal interactions. Mycorrhiza 23, 597–625.

Charya, L.S., Garg, S., 2019. Advances in methods and practices of ectomycorrhizal research, Advances in Biological Science Research: A Practical Approach. Elsevier Inc. Dighton, J., 2009. Mycorrhizae. Cell 478–491.

FAO, 1984. Fertilizer and Plant Nutrition Guide. Rome.

Fujii, K., Shibata, M., Kitajima, K., Ichie, T., Kitayama, K., Turner, B.L., 2018. Plant–soil interactions maintain biodiversity and functions of tropical forest ecosystems. Ecol. Res. 33, 149–160.

Indrioko, S., Widiyatno, Wicaksono, B.A., 2021. The Adaptability of Six Introduced Shorea spp. to the Community Forest in Sleman, Yogyakarta . Proc. 3rd KOBI Congr. Int. Natl. Conf. (KOBICINC 2020) 14, 200–204.

Ingleby, K., Munro, R.C., Noor, M., Mason, P.A., Clearwater, M.J., 1998. Ectomycorrhizal populations and growth of *Shorea parvifolia* (Dipterocarpaceae) seedlings regenerating under three different forest canopies following logging. For. Ecol. Manage. 111, 171–179.

Johnson, N.., Gehring, C.., 2007. Mycorrhizas: Symbiotic Mediators of Rhizosphere and Ecosystem Processes, in: The Rhizosphere. Elsevier, pp. 73–100.

Jones, M.D., Durall, D.M., Tinker, P.B., 1990. Phosphorus relationships and production of extrametrical hyphae by two types of willow ectomycorrhizas at different soil phosphorus levels. New Phytol. 115, 259–267.

Kasuya, M., Tahara, S., Igarashi, T., 1996. Growth inhibition of pathogenic root fungi by extracts of ectomycorrhizal fungi or *Picea glehnii* inoculated with ectomycorrhizal fungi. Biotropia (Bogor). 0, 53–61.

Lee, L.S., Alexander, I.J., Watling, R., 1997. Ectomycorrhizas and putative ectomycorrhizal fungi of *Shorea leprosula* Miq. (Dipterocarpaceae). Mycorrhiza 7, 63–81.

Lee, S., 1998. Root Symbiosis and Nutrition, in: Appanah, S., Turnbull, J.M. (Eds.), A Review of Dipterocarps : Taxonomy, Ecology, and Silviculture. Center for International Forestry Research, Bogor, pp. 1–223.

Lee, S.S., Patahayah, M., Chong, W.S., Lapeyrie, F., 2008. Successful ectomycorrhizal inoculation of two dipterocarp species with a locally isolated fungus in Peninsular Malaysia. J. Trop. For. Sci. 20, 237–247.

LEI, J., Dexheimer, J., 1988. Ultrastructural localization of ATPase activity in the *Pinus sylvestris/Laccaria laccata* ectomycorrhizal association. New Phytol. 108, 329–334.

Marschner, H., Dell, B., 1994. Nutrient uptake in mycorrhizal symbiosis. Plant Soil 159, 89–102.

Martin, F., 2017. Molecular Mycorrhizal Symbiosis. John Wiley & Sons, Inc, Canada.

Martin, F., Duplessis, S., Ditengou, F., Lagrange, H., Voiblet, C., Lapeyrie, F., 2001. Developmental cross talking in the ectomycorrhizal symbiosis: Signals and communication genes. New Phytol. 151, 145–154.

Martin, F., Kohler, A., Murat, C., Veneault-Fourrey, C., Hibbett, D.S., 2016. Unearthing the roots of ectomycorrhizal symbioses. Nat. Rev. Microbiol. 14, 760–773.

Nguyen, P.L., van Baalen, M., 2020. On the difficult evolutionary transition from the free-living lifestyle to obligate symbiosis. PLoS One 15, 15–20.

Omon, R.M., 2002. Dipterocarpaceae : *Shorea leprosula* Miq. Cuttings, Mycorrhizae and Nutrients. Wageningen University.

Otsamo, R., Adjers, G., Hadi, T.S., Kuusipalo, J., Otsamo, A., 1996. Early Performance Of 12 Shade Tolerant Tree Species Inter Planted *Falcataria* On *Imperata cylindrica* Grassland. J. Trop. For. Sci. 8, 381–394.

Parladé, J., Águeda, B., Fernández-Toirán, L., Peña, F., Miguel, A., 2014. How Ectomycorrhizae Structures Boost the Root System ? Chapter 8 How Ectomycorrhizae Structures Boost the Root System ?, in: Morte, A., Varma, A. (Eds.), Root Engineering. Springer-Verlag Berlin Heidelberg, Berlin, pp. 171–191.

Rai, I.N., Suada, I.K., Proborini, M.W., Wiraatmaja, I.W., Semenov, M., Krasnov, G., 2019. Indigenous endomycorrhizal fungi at salak (*Salacca zalacca*) plantations in Bali, Indonesia and their colonization of the roots. Biodiversitas 20, 2410–2416.

Scherer, H.W., 2004. Fertilizers and Fertilization. Encycl. Soils Environ. 4, 20–26.

Schindlbacher, A., Lu, X.-T., Luan, J., Loew, C.A.E., Schack-Kirchner, H., Fink, S., Lang, F., 2020. Fine Root Size and Morphology of Associated Hyphae Reflect the Phosphorus Nutrition Strategies of European Beech Forests. Front. For. Glob. Chang. www.frontiersin.org 1, 95.

See, L.S., Alexander, I.J., 1996. The dynamics of ectomycorrhizal infection of Shorea leprosula seedlings in Malaysian rain forests. New Phytol. 132, 297–305.

Shono, K., Davies, S.J., Chua, Y.K., 2007. Performance Of 45 Native Tree Species on Degraded Lands In Singapore. J. Trop. For. Sci. 19, 25–34.

Siddiqui, Z.., Akhtar, M.., Futai, K., 2008. Mycorrhizae: Sustainnable agricultura and Foresty. Springer-Science+Business Media, B.V.

Smith, S.E., Read, D., 1984. Mycorrhizal Symbiosis, 3rd ed, Soil Science. Elsevier Ltd., Great Britain.

Smits, W., 1994. Dipterocarpaceae: mycorrhizae and regeneration.

Stuart, E.K., Plett, K.L., 2020. Digging Deeper : In Search of the Mechanisms of Carbon and Nitrogen Exchange in Ectomycorrhizal Symbioses. Front. Plant Sci 10, 1–11.

Tedersoo, Leho, May, Tom W, Smith, Matthew E, Tedersoo, L, May, T W, Smith, M E, 2010. Ectomycorrhizal lifestyle in fungi: global diversity, distribution, and evolution of phylogenetic lineages.

Turner, I.M., Brown, N.D., Newton, A.C., 1993. The effect of fertilizer application on dipterocarp seedling growth and mycorrhizal infection. For. Ecol. Manage. 57, 329–337.

Widiyatno, Hidayati, F., Hardiwinoto, S., Indrioko, S., Purnomo, S., Jatmoko, Tani, N., Naiem, M., 2020. Selection of dipterocarp species for enrichment planting in a secondary tropical rainforest. Forest Sci. Technol. 16, 206–215.

Widiyatno, Purnomo, S., Soekotjo, Na'iem, M., Hardiwinoto, S., Kasmujiono, 2013. The growth of selected Shorea spp in secondary tropical rain forest : the effect of silviculture treatment to improve growth quality of Shorea spp. 3rd Int. Conf. Sustain. Futur. Hum. Secur. Sustain 2012. Procedia Environ. Sci. 17, 160–166.

Widiyatno, Soekotjo, Naiem, M., Purnomo, S., Setiyanto, P., 2014. Early Performance Of 23 Dipterocarp Species Planted In Logged-Over Rainforest. J. Trop. For. Sci. 26, 259–266.

Yasman, I., 1995. Dipterocarpaceae : Tree-Mycorrhizae-Seedling Connections. Wageningen Agricultural University, Netherlands.