

DAFTAR PUSTAKA

- Akthar, M.S., and Siddiqui, Z.A. 2008. Arbuscular mycorrhizal fungi as potensial bioprotectants against plant pathogens. In *Mycorrhizae : Sustainable agriculture and forestry*, Siddiqui, Z.A., Akthar, M.S., dan Futai, K. Springer Netherlands, Dordrecht, The Netherlands, pp : 61 – 97.
- Anggreiny, Y., Nazip, K., dan Santri, D.J. 2017. Identifikasi Fungi Mikoriza Arbuskula (FMA) pada rhizosfir tanaman di kawasan revegetasi lahan penambangan timah di Kecamatan Merawang Kabupaten Bangka dan sumbangannya pada pembelajaran Biologi SMA . Prosiding Seminar Nasional Pendidikan IPA 2017. 391 - 403.
- Auge, R.M. 2001. Water relations, drought and Vesicular-Arbuscular Mycorrhizal symbiosis. Springer-Verlag. 11 : 3 – 42.
- Azcon-Aguilar, C., and Barea, J.M. 1996. Arbuscular mycorrhizas and biological control of soil-borne plant pathogens – an overview of the mechanisms involved. Springer-Verlag. 6 : 457 – 464.
- Azcon-Aguilar, C., Jaizme-Vega, M.C., and Calvet, C. 2002. The contribution of arbuscular mycorrhizal fungi to the control of soil-borne plant pathogens. *Mycorrhizal Technology in Agriculture* ed. by S. Gianinazzi, H. Schuepp, J.M. Barea and K. Haselwandter. 187 - 197
- Barea, J.M., Andrade, G., Bianciotto, V., Dowling, D., Lohrke, S., Bonfante, P., O'Gara, F., and Azcon-Aguilar, C. 1998. Impact on arbuscular mycorrhiza formation of pseudomonas strains used as inoculants for biocontrol of soil-borne fungal plant pathogens. *Applied and Environmental Microbiology*. 64 (6) : 2304 - 2307.
- BPS [Badan Pusat Statistik]. 2018. *Statistik Indonesia : statistical yearbook of Indonesia 2018*. Jakarta : Badan Pusat Statistik.
- Brundrett, M., Bougher, N., Dell, B., Grove, T., and Malajczuk, N. 1996. *Working with mycorrhizas in forestry and agriculture*. Australian Centre for International Agricultural Research. Canberra.
- Brundrett, M. 2004. Diversity and classification of mycorrhizal associations. *Biological Reviews*. 79 : 73–495.
- Cavagnaro, T.R., Smith, F.A., Ayling, S.M., and Smith, S.E. 2003. Growth and phosphorus nutrition of a paris-type arbuskular mycorrhizal symbiosis. *New Phytologist*. 157 : 127 - 134.
- Chen, H., Zhang, Z., Teng, K., Lai, J., Zhang, Y., Huang, Y., Li, Y., Liang, L., Wang, Y., Chu, C., Guo, H., and Xie, Q. 2010. Up-regulation of LSB1/GDU3 affects geminivirus infection by activating the salicylic acid pathway. *The Plant Journal* 62 : 12 – 23.

- Chet, I., Henis, Y., and Kiselev, N. 1969. Ultrastructure of Sclerotia and hyphae of *Sclerotium rolfsii* Sacc. *Journal of General Microbiology*. 57 : 143 – 147.
- Davies Jr, F.T., Olalde-Portugal, V., Aguilera-Gomez, L., Alvarado, M.J., Ferrera-Cerrato, R.C., and Boutton, T.W. 2002. Alleviation of drought stress of chile ancho pepper (*Capsicum annuum* L. cv San Luis) with arbuscular mycorrhiza indigenous to Mexico. *Scientia Horticulturae*. 92 : 347 – 359.
- Delvian 2003. Keanekaragaman Cendawan Mikoriza Arbuskula (CMA) di hutan pantai dan potensi pemanfaatannya. Studi kasus di hutan cagar alam Leuweung Sancang Kabupaten Garut, Jawa Barat. [Disertasi]. Program Pascasarjana. Institut Pertanian Bogor. Bogor.
- Diouf, D., Diop, T.A., and Ndoye, I. 2003. Actinorhizal, mycorrhizal, and rhizobial symbioses : how much do we know ?. *African Journal of Biotechnology* 2 (1) : 1 – 7.
- Heijden, E.W. Van der. 2001. Differential benefits of arbuscular mycorrhizal and ectomycorrhizal infection of *Salix repens*. *Springer-Verlag* 10 : 185 – 193.
- INVAM. 2020. Classification of Glomeromycota. <http://fungi.invam.wvu.edu/the-fungi/classification.html>
- ITIS [Integrated Taxonomic Information System]. 2020. *Arachis hypogaea* L. Taxonomic Serial No.: 26463. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=26463#null/
- Jung, S.C., Martinez-Medina, A., Lopez-Raez, J.A., and Pozo, M.J. 2012. Mycorrhiza – induced resistance and priming of plant defenses. *J Chem Ecol* 38 : 651 – 664.
- Kator, L., Hosea, Z.Y., and Oche, O.D. 2015. *Sclerotium rolfsii*; causative organism of southern blight, stem rot, white mold and sclerotia rot disease. *Scholars Research Library*. 6 (11) : 78 – 89.
- Le, C.N. 2011. Diversity and biological control of *Sclerotium rolfsii*, causal agent of stem rot of groundnut. [Disertasi]. Wageningen University. Netherlands.
- Le, C.N., Mendes, R., Kruijt, M. and Raaijmakers, J.M 2012. Genetic and phenotypic diversity of *Sclerotium rolfsii* in groundnut fields in central Vietnam. *Plant Disease*, 96 (3) : 389-397.
- Lizawati., Kartika, E., Alia, Y., dan Handayani, R. 2014. Pengaruh pemberian kombinasi isolat fungi mikoriza arbuskula terhadap pertumbuhan vegetatif tanaman jarak pagar (*Jatropha Curcas* L.) yang ditanam pada tanah bekas tambang batu bara. *Biospecies*. 7(1): 14-21.
- Malik, A. 2016. Ekonomi Kacang Tanah: Tinjauan keunggulan komparatif dan perspektif pengembangan. Jakarta : IAARD Press

- Malik, M., Hidayat, K.F., Yusnaini, S., dan Rini, M.V. 2017. Pengaruh aplikasi fungi mikoriza arbuskula dan pupuk kandang dengan berbagai dosis terhadap pertumbuhan dan produksi kedelai (*Glycine max* [L.] Merrill) pada ultisol. *J. Agrotek Tropika*. 5(2): 63 – 67.
- Manaroinsong, E dan Lolong, A.A. 2015. Identifikasi Cendawan Mikoriza arbuskular (CMA) pada beberapa tekstur tanah di lahan kelapa sawit di Kalimantan Tengah. *B. Palma*.16 (2) : 203- 210
- Marschener H. 1998. Role of root growth, arbuscular mycorrhiza, and root exudates for the efficiency in nutrient acquisition. *Field Crops Research* 56 : 203 - 207.
- Masria. 2015. Peranan Mikoriza Vesikular Arbuskular (MVA) untuk meningkatkan resistensi tanaman terhadap cekaman kekeringan dan ketersediaan P pada lahan kering. *Jurnal Partner*. 1 : 46-58.
- Mathimaran, N., Ruh, R., Vullioud, P., Frossard, E., and Jansa, J. 2005. *Glomus intraradices* dominates arbuscular mycorrhizal communities in a heavy textured agricultural soil. *Mycorrhiza*. 16: 61–66.
- Munawara, W., dan Haryadi, N.T. 2020. Induksi ketahanan tanaman kedelai (*Glycine max* (L.) merril) dengan cendawan endofit *Trichoderma harzianum* dan *Beauveria bassiana* untuk menekan penyakit busuk pangkal batang (*Sclerotium rolfsii*). *Jurnal Pengendalian Hayati*. 3(1): 6-13
- Nusantara, A.D. 2011. Pengembangan dan pemanfaatan inokulan fungi mikoriza arbuskula berbasis bahan alami untuk produksi bibit jati (*Tectona grandis* L.f) [Disertasi]. Sekolah Pasca sarjana, Institut Pertanian Bogor.
- Nusantara, A.D., Bertham, Y.H., dan Mansur, I. 2015. Bekerja dengan fungi mikoriza arbuskula. Bogor : Seameo Biotrop.
- Ortas, I., and Rafique, M. 2017. The mechanisms of nutrient uptake by arbuscular mycorrhizae. In : *Mycorrhiza – nutrient uptake, biocontrol, ecorestoration*. Varma, A., Prasad, R., dan Tuteja, N. Fourth Edition. Switzerland : Springer International Publishing. pp : 1 – 19.
- Ozgonen, H., Akgul, D.S., and Erkilic, A. 2010. The effects of arbuscular mycorrhizal fungi on yield and stem rot caused by *Sclerotium rolfsii* Sacc in peanut. *African Journal of Agricultural Research* 5 (2) : 128 - 132.
- Pattimahu, D.V. 2004. Restorasi lahan kritis pasca tambang sesuai kaidah ekologi. Makalah Mata Kuliah Falsafah Sains. Sekolah Pasca Sarjana, IPB. Bogor.
- Peterson, R.L., Massicotte, H.B., and Melville, L.H. 2004. *Mycorrhizas : anatomy and cell biology*. CABI publishing. Canada.
- Pitojo, S. 2009. Benih kacang tanah cetakan ke 5. Kanisius. Yogyakarta.

- Pozo, M.J., Verhage, A., García-Andrade, J., García, J. M., and Azcón-Aguilar, C. 2009. Priming plant defence against pathogens by arbuscular mycorrhizal fungi. In *Mycorrhizas - functional processes and ecological impact.* Springer-Verlag Berlin Heidelberg. pp. 123 – 135.
- Prasasti, O.H., Purwani, K.I., dan Nurhatika, S. 2013. Pengaruh mikoriza *Glomus fasciculatum* terhadap pertumbuhan vegetatif tanaman kacang tanah yang terinfeksi patogen *Sclerotium rofsii*. *Jurnal Sains dan Seni Pomits.* 2 (2) : E-74 – E-78.
- Prawiradiputra, B.R., dan Lukiwati, D.R. 2014. Pemanfaatan sisa hasil dan hasil ikutan tanaman kacang-kacangan dan umbi-umbian untuk pakan ternak. *Prosiding Seminar Hasil Penelitian Tanaman Aneka Kacang dan Umbi.* Hal 899 – 907.
- Punja, Z.K. 1985. The Biology, Ecology, and Control of *Sclerotium rofsii*. *Ann. Rev. Phytopathol.* 23 : 97 – 127.
- Punja, Z.K., and Utkhede, R.S. 2003. Using fungi and yeasts to manage vegetable crop diseases. *TRENDS in Biotechnology.* 21 (9) : 400 - 407
- Rahman, M., Ali, M.E., Islam, M.N., and Bhuiyan, M.A.H. 2017. Combined effect of Arbuscular Mycorrhiza, *Rhizobium* and *Sclerotium rofsii* on grass pea (*Lathyrus sativus*). *The Agriculturists* 15(1):143-155.
- Rahmianna, A.A., Herdina, P., dan Didik, H. 2015. Budidaya kacang tanah. *Balai Penelitian Tanaman Aneka Kacang dan Umbi Malang. Monograf Balitkabi.* 13 : 133 – 169
- Rajmi, S.L., Margarettha., dan Refliaty. 2018. peningkatan ketersediaan P ultisol dengan pemberian Fungi Mikoriza Arbuskular. *J. Agroecotania.* 1(2) : 42-48.
- Redecker, D., Schüßler, A., Stockinger, H., Stürmer, S.L., Morton, J.B., and Walker, C. 2013. An evidence-based consensus for the classification of arbuscular mycorrhizal fungi (Glomeromycota). *Mycorrhiza.* 23 : 515–531.
- Rillig, M.C., and Mummey, D.L. 2006. Mycorrhizas and soil structure. *New Phytologist.* 171 : 41 - 53.
- Schubler, A., Schwarzott, D., and Walker, C. 2001. A new fungal phylum, the glomeromycota : phylogeny and evolution. *The British Mycological Society.* 105 (12) : 1413 – 1421.
- Setiadi, Y dan Setiawan, A. 2011. Studi status Fungi Mikoriza Arbuskula di areal rehabilitasi pasca penambangan nikel (studi kasus PT INCO Tbk. Sorowako, Sulawesi Selatan). *Jurnal Silvikultur Tropika.* 03 (01) : 88-95
- Setiawan, A., Sastrahidayat, I.R., dan Muhibuddin, A. 2014. Upaya penekanan serangan penyakit rebah semai (*Sclerotium rofsii*) pada tanaman kedelai

(*Glycine Max* L.) dengan mikoriza yang diperbanyak dengan inang perantara tanaman kacang tanah. Jurnal HPT 2 (4) : 36 – 43.

Settaluri, V.S., Kandala, C.V.K., Puppala, N., and Sundaram, J. 2012. Peanuts and their nutritional aspects - a review. Scientific Research. Food and Nutrition Sciences. 3 : 1644 – 1650.

Smith, S.E., and Read, D.J. 2008. Mycorrhizal symbiosis third edition. Academic Press. USA.

Soesanto, L. 2013. Penyakit karena jamur : kompendium penyakit-penyakit kacang tanah. Graha Ilmu. Yogyakarta.

Sousa, C.d.S., Menezes, R.S.C., Sampaio, E.V.d.S.B., Lima, F.d.S., Oehl, F., and Maia, L.C. 2013. Arbuscular mycorrhizal fungi within agroforestry and traditional land use systems in semi-arid Northeast Brazil. Acta Scientiarum. Agronomy Maringá. 35(3) : 307-314.

Suharti, N., Habazar, T., Nasir, N., Dachryanus., dan Jamsari. 2011. Induksi ketahanan tanaman jahe terhadap penyakit layu *Ralstonia solanacearum* Ras 4 menggunakan Fungi Mikoriza Arbuskular (FMA) indigenus. Jurnal HPT Tropika. 11(1) : 102- 111.

Sulyanti, E. 2012. Kombinasi pseudomonad fluoresens dan fungi mikoriza arbuskular indigenus dari geografis berbeda untuk meningkatkan ketahanan tanaman pisang terhadap penyakit layu fusarium (*Fusarium oxysporum* f.sp cubense). [Disertasi]. Universitas Andalas. Padang.

Swandi, F., Sulyanti, E., Darnetty dan Reflin. 2020. The potential of Arbuscular Mycorrhizal Fungi (AM Fungi) as biocontrol agent against stem rot diseases caused by *Sclerotium rolfsii* in peanut (*Arachis hypogaea* L.). JERAMI Indonesian Journal of Crop Science. 2(2) : 65 - 71

Tahat, M.M., and Sijam, K. 2015. Mycorrhizal fungi and abiotic environmental conditions relationship. Research Journal of Environmental Science. 6(4) : 125 – 133.

Talanca, H. 2010. Status cendawan mikoriza vesicular arbuscular (mva) pada tanaman. Prosiding Pekan Serealia Nasional Balai Penelitian Tanaman Serealia. Sulawesi Selatan.

Taufiq, A., dan Kristiono, A. 2015. Keharaan tanaman kacang tanah. Monograf Balitkabi. 13 : 170 – 195.

Tripathi, S., Mishra, S.K. and Varma, A. 2017. mycorrhizal fungi as control agents against plant pathogens. In : Mycorrhiza – nutrient uptake, biocontrol, eco restoration. Varma, A., Prasad, R., dan Tuteja, N. Fourth Edition. Switzerland : Springer International Publishing. pp : 161 – 178.

- Trustinah. 2015. Morfologi dan Pertumbuhan kacang tanah. Balai Penelitian Tanaman Aneka Kacang dan Umbi Malang. Monograf Balitkabi.13 : 40 - 59
- Vlot, A.C., Dempsey, D.A., and Klessig, D.F. 2009. Salicylic acid, a multifaceted hormone to combat disease. Annual Review of Phytopathology 47 (1) : 177 – 206.
- Xu, Z.H., Harrington, T.C., Gleason, M.L. and Batzer, J.C. 2010. Phylogenetic placement of plant pathogenic *Sclerotium* species among teleomorph genera. *Mycologia*. 102(2): 337-346.

