

## DAFTAR PUSTAKA

- Ahmad, F. 2010. *Leptochloa fusca* cultivation for utilization of salt - affected soil and water resources in Cholistan Desert. *Sociedade & Natureza*, 22: 141–149
- Akhtar, O., Mishra, R. and Kehri, H.K. 2019. Arbuscular Mycorrhizal Association Contributes to Cr Accumulation and Tolerance in Plants Growing on Cr Contaminated Soils. *Proceedings of the National Academy of Sciences*. 89: 63-70.
- Antunes, P.M., Koch, A.M., Morton, J.B., Rillig, M.C. and Klironomos, J.N. 2011. Evidence for functional divergence in arbuscular mycorrhizal fungi from contrasting climatic origins. *New Phytologist*, 189: 507-514.
- Bencherif, K., Dalpé, Y. and Sahraoui, A.L.H. 2019. Influence of Native Arbuscular Mycorrhizal Fungi and *Pseudomonas fluorescens* on *Tamarix* Shrubs Under Different Salinity Levels. In *Microorganisms in Saline Environments: Strategies and Functions*. Springer, Chambrige.
- Bender, S. F., Plantenga, F., Neftel, A., Jocher, M., Oberholzer, H.-R., and Köhl, L. 2014. Symbiotic relationships between soil fungi and plants reduce N<sub>2</sub>O emissions from soil. *The ISME journal*. 8: 1336.
- Berruti, A., Lumini, E., Balestrini, R. and Bianciotto, V., 2016. Arbuscular mycorrhizal fungi as natural biofertilizers: let's benefit from past successes. *Frontiers in microbiology*. 6: 1559.
- Birhane, E., Sterck, F.J., Fetene, M., Bongers, F. and Kuyper, T.W. 2012. Arbuscular mycorrhizal fungi enhance photosynthesis, water use efficiency, and growth of frankincense seedlings under pulsed water availability conditions. *Oecologia*. 169: 895-904.
- Budiyanto, G., 2016. Pengendalian Pencucian Senyawa Nitrat Guna Meningkatkan Produktivitas Lahan Marginal Pantai Kulon Progo DIY. *Plant Tropika: Jurnal Agrosains (Journal of Agro Science)* 4: 46-57.
- Chen, X.W., Wong, J.T.F., Wang, J.J., Ng, C.W.W. and Wong, M.H. 2021. Effects of mycorrhizal Bermuda grass on low-range soil matric suction. *Journal of Soils and Sediments*, 21: 990-1000.
- Cook, B.G., B.C. Pengelly, S.D. Brown, J.L. Donnelly, D.A. Eagles, M.A. Franco, J. Hanson, B.F. Mullen, I.J. Partridge, M. Peters, and R. Schultze-Kraft. 2005. *Tropical Forage*. CSIRO, DPI&F (Qld), CIAT and ILRI. Brisbane, Australia.
- Corkidi, L., Evans, M. and Bohn, J. 2008. An introduction to propagation of arbuscular mycorrhizal fungi in pot cultures for inoculation of native plant nursery stock. *Native Plants Journal*. 9: 29-38.

- Dandan, Z., & Zhiwei, Z. 2007. Biodiversity of arbuscular mycorrhizal fungi in the hot-dry valley of the Jinsha River, southwest China. *Applied Soil Ecology*. 37: 118-128.
- Daniels, B.A. and H.D. Skipper. 1982. Methods for the recovery and quantitative estimation of propagules from soil. In: *Methods and principles of mycorrhizal research*. The American Phytopathological Society.
- Deelstra, J., Øygarden, L., Blankenberg, A.G.B. and Olav Eggestad, H. 2011. Climate change and runoff from agricultural catchments in Norway. *International Journal of Climate Change Strategies and Management*. 3: 345 – 360.
- Doglioni, A. and Simeone, V., 2019. Effects of Climatic Changes on Groundwater Availability in a Semi-arid Mediterranean Region. In *IAEG/AEG Annual Meeting Proceedings*, San Francisco, California. Springer, Cham. 4: 105 – 110.
- Domonkos, M., Schmidt, B., Libisch, B., Polgári, M. and Biró, B. 2010. Growth and mycorrhizal colonization of four grasses in a Mn-amended low quality sandy soil. *Research Journal of Agricultural Science*, 42: 44-50.
- Douds Jr, D.D. and Millner, P.D., 1999. Biodiversity of arbuscular mycorrhizal fungi in agroecosystems. *Invertebrate Biodiversity as Bioindicators of Sustainable Landscapes*. 1: 77-93.
- Du, H., Wang, Z., Yu, W., Liu, Y. and Huang, B. 2011. Differential metabolic responses of perennial grass *Cynodon transvaalensis* × *Cynodon dactylon* (C4) and *Poa Pratensis* (C3) to heat stress. *Physiologia Plantarum*, 141: 251-264.
- Elhindi, K., Al-Suhaibani, N., El-Hendawy, S. and Al-Mana, F., 2018. Effects of arbuscular mycorrhizal fungi on the growth of two turfgrasses grown under greenhouse conditions. *Soil Science and Plant Nutrition*, 64: 238-243.
- Eusufzai, M. K., K. Fujii. 2012. Effect of organic matter amendment on hydraulic and pore characteristics of clay loam soil. *Soil Science*. 2:372-381.
- Fahmi, A., Utami, S.N.H. and Radjagukguk, B. 2010. Pengaruh interaksi hara nitrogen dan fosfor terhadap pertumbuhan tanaman jagung (*Zea mays* L) pada tanah regosol dan latosol. *Berita Biologi*. 10: 297-304.
- Gavito, M.E., Pérez-Castillo, D., González-Monterrubio, C.F., Vieyra-Hernández, T. and Martínez-Trujillo, M. 2008. High compatibility between arbuscular mycorrhizal fungal communities and seedlings of different land use types in a tropical dry ecosystem. *Mycorrhiza*. 19: 47-60.
- Georges-Filteau, J., Hamelin, R.C. and Blanchette, M. 2019. Mycorrhiza: Genotype Assignment using Phylogenetic Networks. *Bioinformatics*. 1 – 8.

- Giovannetti, M., and Mosse, B. 1980. An evaluation of techniques for measuring vesicular arbuscular mycorrhizal infection in roots. *New Phytologist*. 84: 489-500.
- Giovannetti, M., Avio, L. and Sbrana, C., 2010. Fungal spore germination and pre-symbiotic mycelial growth—physiological and genetic aspects. In *Arbuscular mycorrhizas: physiology and function*. Springer, Dordrecht. 3-32.
- Giri, B. 2017. Mycorrhizal dependency and growth response of *Gliricidia sepium* (Jacq.) *Kunth ex Walp.* under saline condition. *Plant Science Today*, 4: 154-160.
- Gosling, P., A. Hodge, G. Goodlass, and G.D. Bending. 2006. Arbuscular mycorrhizal fungi and organic farming: a review. *Agriculture, Ecosystems and Environment*. 113: 17-35.
- Hajoeningtjas, O.D., Suyadi, A. And Ardiana, U.S., 2018, September. Produksi inokulan fungi mikoriza arbuskula pada media perbanyakan dan spesies yang berbeda. *Seminar Nasional Pertanian Peternakan Terpadu*. 1: 309 – 318.
- Hart, M.M. and Reader, R.J. 2002. Host plant benefit from association with arbuscular mycorrhizal fungi: variation due to differences in size of mycelium. *Biology and Fertility of Soils*. 36: 357-366.
- Hart, M.M., Reader, R.J. and Klironomos, J.N. 2003. Plant coexistence mediated by arbuscular mycorrhizal fungi. *Trends in Ecology & Evolution*. 18: 418-423.
- Herryawan, K.M. 2012. Perbanyakan inokulum fungi mikoriza arbuskular (FMA) secara sederhana. *Pastura*. 2: 57-60.
- Huang, B. 2008. Turfgrass water requirements and factors affecting water usage. Water quality and quantity issues for turfgrass in urban landscapes. *CAST Spec. Publ.* 27: 193-205.
- Husin, E.F. 2003 Pemanfaatan fungi mikoriza arbuskular sebagai pupuk hayati untuk meningkatkan efisiensi pemupukan dan hasil tananian pada lahan kritis. *Lembaga Penelitian Universitas Andalas*. Padang. 82.
- Husna, H., Tuheteru, F.D., Arif, A. and Renggaala, A.F., 2018. Sporulasi fungi mikoriza arbuskula lokal asal rizosfer kayu kuku [*Pericopsis mooniana* (thw.) thw] yang dipengaruhi takaran hyponex merah. *Jurnal Ecogreen*. 3:79-87.
- Karti, P.D.M.H. 2004. Pengaruh pemberian cendawan mikoriza arbuskular terhadap pertumbuhan dan produksi rumput *Setaria splendida* Stapf yang mengalami cekaman kekeringan. *Media Peternakan* 27: 63-68.
- Kornillowicz-kowalska, Teresa, Wojdylo-Kotwica, Bernadeta, and Kwiatkowska, E. 2016. Changes in the spore numbers of AM fungi and in AM colonisation of roots of

- clovers and grasses on a peat-muck soil with respect to mineral fertilisation. Pakistan Journal of Botany. 48: 729-738.
- Lahay, R.R., Sipayung, R. and Sabrina, T., 2019, May. The growth and yield of sweet corn (*Zea mays saccharata* Sturt.) with anorganic and organo-bio fertilizer. In IOP Conference Series: Earth and Environmental Science IOP Publishing. 260: 012156.
- Lakkason, N., Yuttavanichakul, W., Boonkerd, N., Teaumroong, N. and Tittabutr, P. 2018. Isolation and Selection of Effective Arbuscular Mycorrhizal Fungus for Bermuda Grass Growth Promotion under Neutral and Acidic Soil Conditions. RSU International Research Conference, Suranaree University of Technology, Thailand.
- Lestariana, D.S. and Aulia, M.P. 2020. Respon kedelai hitam (*Glycine max* L. Merrill) dengan inokulasi mikoriza pada berbagai taraf pemupukan anorganik di tanah regosol Boyolali. Jurnal Agriovet. 2: 17-42.
- Moreno-Espíndola, I. P., Rivera-Becerril, F., de Jesús Ferrara-Guerrero, M., and De León-González, F. 2007. Role of root-hairs and hyphae in adhesion of sand particles. Soil Biology and Biochemistry, 39: 2520–2526.
- Nacoon, S., Ekprasert, J., Riddech, N., Mongkolthanaruk, W., Jogloy, S., Vorasoot, N., Cooper, J. and Boonlue, S. 2021. Growth enhancement of sunchoke by arbuscular mycorrhizal fungi under drought condition. Rhizosphere, 17: 100308.
- Nurhalimah, S., Nurhatika, S. and Muhibuddin, A., 2014. Eksplorasi Mikoriza Vesikular Arbuskular (MVA) Indigenous pada Tanah Regosol di Pamekasan, Madura. Jurnal Sains dan Seni ITS. 3: E30-E34.
- Nurhalimah, S., Nurhatika, S. and Muhibuddin, A., 2014. Eksplorasi Mikoriza Vesikular Arbuskular (MVA) Indigenous pada Tanah Regosol di Pamekasan, Madura. Jurnal Sains dan Seni ITS. 3: E30-E34.
- Oehl, F., Laczko, E., Bogenrieder, A., Stahr, K., Bösch, R., van der Heijden, M. and Sieverding, E. 2010. Soil type and land use intensity determine the composition of arbuscular mycorrhizal fungal communities. Soil Biology and Biochemistry. 42: 724-738.
- Oehl, F., Silva, G.A.D., Goto, B.T. and Sieverding, E., 2011. Glomeromycota: three new genera and glomoid species reorganized. Mycotaxon. 116: 75-120.
- Parniske, M. 2008. Arbuscular mycorrhiza: the mother of plant root endosymbioses. Nature Reviews Microbiology. 6: 763–775.
- Peraturan Menteri Pertanian Nomor 70/Permentan/SR.140/10/2011.Pupuk Organik, Pupuk Hayati Dan Pembenah Tanah.

- Piotrowski, J.S., Denich, T., Klironomos, J.N., Graham, J.M. and Rillig, M.C. 2004. The effects of arbuscular mycorrhizas on soil aggregation depend on the interaction between plant and fungal species. *New Phytologist*. 164: 365-373.
- Rajapakse, S. and J.C. Miller. 1992. Methods for studying vesicular-arbuscular mycorrhizal root colonization and related root physical properties. *Method in Microbiology*. 24: 301-316.
- Ridwan, H.K., Hilman, Y., Sayekti, A.L., and Suhardi. 2012. Sifat inovasi dan peluang adopsi teknologi pengelolaan tanaman terpadu krisan dalam pengembangan agribisnis krisan di Kabupaten Sleman, DI Yogyakarta. *Jurnal Holtikultura*. 22: 86–94.
- Sadhana, B. 2014. Arbuscular mycorrhizal fungi (AMF) as a biofertilizer—a review. *International Journal of Current Microbiology and Applied Sciences*. 3:384–400
- Sariasih, Y., Hadisutrisno, B. and Widada, J. 2012. Pengaruh Fungi Mikoriza Arbuskular Dalam Medium Zeolit Terhadap Pertumbuhan dan Intensitas Penyakit Bercak Daun Pada Bibit Kakao. *Jurnal Agroteknologi Tropika*. 1: 1-7.
- Simanungkalit, R.D.M., 2006. Cendawan mikoriza arbuskular. Dalam *Pupuk Organik dan Pupuk Hayati*. Bogor: Balai Besar Penelitian dan Pengembangan Sumber Daya Lahan Pertanian.
- Souza, T., 2015. Spores: A special tool to survive. In *Handbook of Arbuscular Mycorrhizal Fungi*. Springer, Cham.
- Souza, T., 2015. *Handbook of arbuscular mycorrhizal fungi*. Springer, Cham.
- Stürmer, S.L. and Morton, J.B., 1997. Developmental patterns defining morphological characters in spores of four species in *Glomus*. *Mycologia*. 89: 72-81.
- Sukiman, H., Lekatompessy, S., Widowati, T. and Simarmata, R., 2019, August. Application of arbuscular mycorrhizal fungi in combination with nitrogen fixing bacteria and other potential soil microbes as biofertilizer for soybean plant. In *IOP Conference Series: Earth and Environmental Science*. 308: 012059.
- Torres-Arias, Y., R.O. Fors, C. Nobre, E.F. Gómez, R.L.L. Berbara. 2017. Production of native arbuscular mycorrhizal fungi inoculum under different environmental conditions. *Brazilian Journal of Microbiology* 48: 87-94.
- Triyanto. 2008. Pemberian bokashi terhadap pertumbuhan bibit kelapa sawit (*Elaeis giuneensis* Jacq.) yang diinokulasi dengan cendawan mikoriza arbuskula (CMA). Skripsi. Biologi FMIPA Universitas Andalas, Padang.
- Turgeon, A.J. 2005. *Turfgrass management* 7<sup>th</sup> ed. Pearson Education, Inc. New Jersey.

- Verzeaux, J., Hirel, B., Dubois, F., Lea, P.J. and Tétu, T., 2017. Agricultural practices to improve nitrogen use efficiency through the use of arbuscular mycorrhizae: basic and agronomic aspects. *Plant Science*. 264: 48-56.
- Widiastuti, H., Sukarno, N., Darusman, L.K., Goenadi, D.H., Smith, S. and Guhardja, E., 2005. Penggunaan spora cendawan mikoriza arbuskula sebagai inokulum untuk meningkatkan pertumbuhan dan serapan hara bibit kelapa sawit. *Menara Perkebunan*. 73: 26-34.
- Widiatma, P.S., I.G.P. Wirawan dan I.G.K. Susrama. 2015. Identifikasi mikoriza vesikular arbuskular (MVA) pada rhizosfer tanaman ubi jalar (*Ipomoea batatas L.*) dan ubi kayu (*Manihot esculenta Crantz*) serta perbanyakannya dengan media zeolit. *J. Agroekoteknologi Tropika*. 4: 253-263.
- Zhan, F., Li, B., Jiang, M., Li, T., He, Y., Li, Y. and Wang, Y. 2019. Effects of arbuscular mycorrhizal fungi on the growth and heavy metal accumulation of bermudagrass [*Cynodon dactylon* (L.) Pers.] grown in a lead–zinc mine wasteland. *International journal of phytoremediation*, 21:849-856.