

## DAFTAR PUSTAKA

- Adeleke, B. S., and Babalola, O. O. (2021). Roles of Plant Endosphere Microbes in Agriculture a Review. *J Plant Growth Reg*,3(4),40-62.
- Adeleke, B. S., and Babalola, O. O. (2021). The Endosphere Microbial Communities, a Great Promise in Agriculture. *Int Microbiol*, 24:1–17.
- Adl, S. M., Bass, D., Lane, C. E., Lukes, J., Schoch, C. L., Smirnov, A., Agatha, S., Berney, C., Brown, M. W., Burki, F., Cardenas, P., Cepicka, I., Chistyakova, L., Campo, J., and Dunthorn, M. (2018). Revisions To The Classification, Nomenclature, and Diversity of Eukaryotes. *Journal of Eukaryotic Microbiology* 66, 4–119.
- Al-Quran Surat Az-Zumar ayat 21. *Al-Quran dan Terjemahan Cetakan ke 7*. Jakarta: Al- Mizan Publishing House.
- Al-Quran Surat Al-Isra ayat 7. *Al-Quran dan Terjemahan Cetakan ke 7*. Jakarta: Al- Mizan Publishing House.
- Anggita, A. R., dan Asterina, I. (2013). Isolasi dan Identifikasi Kapang Endofit dari Tanaman Obat Surian (*Toona sinensis*). *Biologi Sains dan Teknologi*, 7 (2), 175-191.
- Anzharni, F., Dwi, D. A. B., dan Agnes, E. (2020). Isolasi dan Uji Aktivitas Antimikroba Ekstrak Ektil Asetat Jamur Endofit dari Daun Matoa (*Pometia pinnata*). *Jurnal Farmasi Higea*, 12 (1).
- Blanco, C., Yanine., Vaillant., Fabrice., Perez., Ana, M., Reynes, Max, Brillouet, J. M., Brat., and Pierre.(2006). The Noni Fruit (*Morinda citrifolia* L.): a Review of Agricultural Research,Nutritional and Therapeutic Properties. *J Food Compos. Anal* 19(6-7), 645–654.
- Busby, P. E.,and Ridout, M. (2016). Fungal Endophytes: Modifiers of Plant Disease. *Plant Mol Biol*, 90(6), 645–655.
- Chairul , B. I ., dan S. M. C. (2006). Isolasi Glukomanan dari Dua Jenis Araceae Talas (*Colocasia esculenta* (L.) Schoo dan Iles-iles (*Amorphophalhes*). *Penelitian Biologi Lipi*, 2 (1).
- Chowdhary, K., Kaushik, N.,and Raimundo, M. (2012). Endophytic Fungi and Their Metabolites Isolated from Indian Medicinal Plant. *Phytochem Rev*, 467–485.
- Deepthi, V. C., Sumanthi, S., Faisal, M., and Elyas , K. K. (2018). Isolation and Identification of Endophytic Fungi With Antimicrobial Activities From the Leaves of *Elaeocarpus Sphaericus* (Gatern, K. Schum and *Myristica*

- Fragrans Hoult. *International Journal of Pharmaceutical Sciences and Research*, 9(7), 27-83.
- Domsch, K.H., Gams, W., and Anderson, T. H. (2007). *Compendium of Soil Fungi Second edition*. Jerman: IHW-verlag.
- Dutta, D., Puzari, K. C., Gogoi, R., and Dutta, P. (2014). Endophytes: Exploitation as a Tool in Plant Protection. *Braz Arch Biol Technol*, 57, 621–629.
- Edwin, P. I., dan Putu, B. D. I. (2020). Pengembangan Instrumen Kemampuan Berpikir Kreatif. *Undiksa1*(1),1-12.
- Elviasari, R. (2016). Identifikasi Metabolit Sekunder dan Uji Aktivitas Antibakteri Isolat Jamur Endofit Daun Beluntas (*Pluchea indica* (L.). *Jurnal Sains Dan Kesehatan*, 1 (5).
- Gupta, S., Chaturvedi, P., Kulkarni, M. G., dan Van Staden, J. (2020). A Critical Review on Exploiting The Pharmaceutical Potential of Plant Endophytic Fungi. *Biotechnology Advances*, 1 (10), 10-16.
- Habisukan, U. H., Elfita, E., Hary, W., Arum, S., dan Alfira, R. (2021). Diversity of Endophytic Fungi in (*Syzygium aqueum*). *Jurnal Biodeversitas*, 22(3), 1129-1137.
- Habisukan, U. H., Elfita, E., Hary, W., Arum, S. (2021). Chemical Characterization of Secondary Metabolite from the Endophytic Fungus *Trichordema Reecei* Isolated from the Twig of *Syzygium Aqueum*. *Science and Technology Indonesia*,6(3), 137-143.
- Halim, A.M., and Prajitno, A.(2017). Aqueous *Morinda citrifolia* Leaves Extract Enhancing Glutathione Peroxidase Activity and  $\alpha 2$ -macroglobulin Gene Expression and *Macrobrachium rosenbergii* Res. *J Life Sci*, 4 (1),4-14.
- Hapida, Y., Elfita, E., Widjajanti, H., dan Salni. (2021). Biodiversity and Antibacterial Activity of Endophytic Fungi Isolated from Jambu Bol (*Syzygium malaccense*). *Jurnal Biodiversitas*, 22 (12), 5668-5677.
- Heinicke, R. (2019). The Pharmacologically Active Ingredient of Noni. *Bulletin National Tropical Botanical Garden*, 15,10-14.
- Hodgson, P. (2007). *Tips for Writing User Manuals User Focus Layout, Navigation, User Manual*. Amerika Serikat : UX Researcher.
- Hyde, K.D. and Soyong, K. (2008). The Fungal Endophyte Dilemma. *Fungal Diversity*,33,163-173.
- Jamilatun, M., dan Shufiyani. (2019). Isolasi dan Identifikasi Kapang Endofit dari Tanaman Alang-Alang (*Imperata cylindrica* L.BEAUUV). *Medikes Media Informasi Kesehatan*, 6 (1), 27-36.

- Jamwal, V. L., and Gandhi, S. G. (2019). Entry 20 Endophytes as a Source of High-value Phytochemicals: Present Scenario and Future Outlook. *In: Jha S editor. Endophytes And Secondary metabolite*, 10, 571–590.
- Jannah, N. A., Sila, S., Syaifudin, E. A., dan Kurniati, I. (2022). Identifikasi Jamur Rhizosfer di Lahan Tanaman Bawang Merah (*Allium ascalonicum* L.) Bergulma di Desa Bendang Raya Kecamatan Tenggarong. *Jurnal Agroekoteknologi Tropika Lembab*, 4(2), 99-106.
- Jaklitsch, W. M., Komon, C. P., Kubicek, I. S., and Druzhin, I. (2005). (*Hypocrea voglmayrii* sp.) nov. from The Austrian Alps Represents a New Phylogenetic Clade in *Hypocrea/Trichoderma*. *Mycologia*, 97(6), 1365–1378.
- Jauhari., dan Miftachul, H. (2010). Isolasi Jamur Endofit dari Daun Sirih (*Piper betle* L.) sebagai Antimikroba Terhadap *Escherichia coli*, *Staphylococcus aureus* dan *Candida albicans*. *Jurnal Malang*, 1(2), 8-20.
- Jones, C., Melisa., and Charles, H. (2018). *Building Brand Communities How Organizations Succeed by Creating Belonging*. Oakland: Berrett Koehler Publisher Inc.
- Kirk, P. M., Cannon, P. F., and Minter, D. W. (2008). *Dictionary of The Fungi; 10th Edition*. Trowbridge :Cromwell Press.
- Kumar, V., Abbas, J., Pandey., and Verma, A. (2018). Management of Acute Diarrhea in Children: is The Treatment Guidelines is Really Implemented. *International Journal of Research in Medical Sciences*, 6(2). 539-544.
- Kustiarini, D. A. (2019). Peningkatan Konsentrasi Skopoletin dalam Jus Mengkudu (*Morinda citrifolia* L.) dengan Teknik Eliminasi dan Pemekatan Senyawa. *Indonesia Hasil Pertanian*, 36 (1).
- Liu, Y., Bai, F., and Li, T. (2018). An Endophytic Strain of Genus *Paenibacillus* Isolated from The Fruits of Noni (*Morinda citrifolia* L.) has Antagonistic Activity Against a Noni's Pathogenic Strain of Genus *Aspergillus*. *Microb Pathog*, 125, 158–163.
- Lu, M., Lu, M., and Han, J. (2019). Significantly Increased Amino Acid Accumulation in a Novel Albino Branch of The Tea Plant (*Camellia sinensis*). *Planta*, 249(2), 363–376.
- Macdonald, C., and Singh, B. (2014). Harnessing Plant Microbe Interactions for Enhancing Farm Productivity. *Bioengineered*, 5(1), 5-9.
- Mcclatchey, K. D. (2002). *Clinical Laboratory Medicine 2nd edn*. Philadelphia: Lippincott.
- Mclaughlin, D. J., and Spatafora, J. W. (2014). *The Mycota 7 System-atics and Evolution part A*. Heidelberg:Springer.

- Mclaughlin, D. J. and Spatafora, J. W. (2015). *The Mycota: A Comprehensive Treatise On Fungi as Experimental Systems for Basic and Applied Research*, London: Systematics and Evolution.
- Miguel, A. Naranjo, O and Toni, G. (2019). Fungal Evolution: Diversity, Taxonomy and Phylogeny of The Fungi. *Biological reviews Biol Rev*, 94,2101–2137.
- Morton, J. F. (1992). The Ocean Going Noni or Indian Mulberry (*Morinda citrifolia*, Rubiceae) and Some of its Colourful Relatives. *Econ Bot*, 46(3), 41-56.
- Mujahidah, B., dan Muh, R. R. (2018). Pertumbuhan (*Candidia* sp. dan *Aspergillus* sp.) dari Bilasan Bronkus Penderita Tuberkulosis Paru pada Media Bekatul. *Jurnal Ilmu Alam dan Lingkungan*, 9(18), 74-82.
- Mukaromah, R. dan Hafizah, N. (2017). Aplikasi Pertumbuhan dan Hasil Tanaman Cabai Rawit (*Capsicum frustencens* L.). *Jurnal ziraah*, 42(1), 1-7.
- Murdiyah, S. (2017). Fungi Endofit Pada Berbagai Tanaman Berkhasiat Obat di Kawasan Hutan Evergreen Taman Nasional Baluran dan Potensi Pengembangan Sebagai Petunjuk Parktikum Mata Kuliah Mikologi. *Jurnal Pendidikan Biologi Indonesia*, 3 (1).
- Nagalingam, S., Changam, S. S., and Kotturathu, M. C. (2012). Extraction and Preliminary Phytochemical Screening of Active Compounds in *Morinda citrifolia* Fruit. *Asian Journal of Pharmaceutical and Clinical Research*, 52(2), 179-81.
- Nazir, A., and Rahman, H. A. (2018). Secrets of Plants: Endophytes. *International Journal Plant Biology*, 9(7),43–46.
- Nelson, S. C., (2005). Species Profiles for Pacific Island Agroforestry *Morinda citrifolia* Noni. In: Elevitch, Craig R. (Ed.). *Permanent Agriculture Resources*, 10, 692-695.
- Nilsson, N. C., Nordahl, R., and Serafin, S. (2016). Immersion Revisited: A Review of Existing Definitions of Immersion and Their Relation to Different Theories of Presence. *Human Technology*, 12(2), 108-134.
- Nonye, T., Daniel, L. Ajaghakub., Festus, B.C., Okoyec., Charles, O., and Esimone, D. (2021). Antioxidant and Immunosuppressive Activities of Extracts of Endophytic Fungi Isolated from (*Psidium guajava*) and (*Newbouldia laevis*). *Phytomedicine Plus*, 10 (2), 27-34.
- Nurdiansyah, E., Faisal, E. E., Sulkipani, Setiawan, S. A., Alghifari M. A. (2020). Pengembangan Ensiklopedia Identitas Nasional Berbasis Kearifan Lokal. *Jurnal Civic Hukum*, 6(2),112-123.

- Pandy, V., Narasingam, M., Vijeepallam, K., Mohan, S., Mani, V., and Mohamed, Z. (2017). The Ethyl Acetate Fraction of a Methanolic Extract of Unripe Noni (*Morinda Citrifolia* Linn.) Fruit Exhibits a Biphasic Effect on The Dopaminergic System In Mice. *Exp Anim*, 66(3), 283–91.
- Petrini, O. (1991). Paper 9 Fungal Endophytes of Tree Leaves. In: Andrews JH, Hirano SS editors. *Microbial Ecology of Leaves*, 179–197.
- Pitt, J. I., and Hocking, A. D. (2009). *Fungi and Food Spoilage: Third Edition*. Springer.
- Posangi, J. dan Bara, R. A. (2014). Analisis Aktivitas dari Jamur Endofit yang Terdapat Dalam Tumbuhan Bakau *Avicennia Marina* Di Tasik Ria Minahasa. *Jurnal Pesisir Dan Laut Tropis*, 1 (1), 37-38 .
- Potshangbam, M., Indira, Devi, S., and Sahoo, D. (2017). Functional Characterization of Endophytic Fungal Community Associated with (*Oryza sativa* L.) and (*Zea mays* L.). *Front Microbiol*, 8(3), 325.
- Prasanna, A. N., Gerber, D., Kijpornyongpan, T., Aime, M. C., Doyle, V. P., and Nagy, L. G. (2019). Model Choice, Missing Data, and Taxon Sampling Impact Phylogenomic Inference of Deep Basidiomycota Relationships. *Systematic Biology*, 1,1–21.
- Putri, E. H., dan Yuliani, L. (2017). Identifikasi Isolat Bakteri Endofit. *Al Journal*, 1(2).
- Radji, M. (2011). *Buku Ajar Mikrobiologi*. Bandung : Mahasiswa Furmus BGC.
- Ramadhani, S. H. dan Samingan, L. (2017). Isolasi dan Identifikasi Daun Jamblang (*Syzygiumcumini* L). *Jurnal limon Manana Fai Keguruan Dan Ilmu Pendidikan Unsyiah*, 3 (2).
- Riadi, I., Octavia, B., dan Habibi, M. (2021). Deteksi dan Identifikasi Kapang pada Proses Biodeteriorasi Arsip Foto Memory Of The World Restorasi Candi Borobudur. *Journal Borobudur*, 15 (1), 3-14.
- Rodriguez, R. J., White, J. F., and Arnold, A. E. (2009). Fungal Endophytes: Diversity and Functional Roles. *New Phytol*, 182, 314-330.
- Roopa, G. M. C., Madhusudhan K. C. R., Sunil, N., Lisa, R., Calvin, R., Poornima, N., Zeinab, K. R., Kini, H. S., Prakash, N., and Geetha. (2015). Identification of Taxol Producing Endophytic Fungi Isolated from *Salacia oblonga* Through Genomic Mining Approach. *Journal of Genetic Engineering and Biotechnology*, 13, 119-127.
- Rustamova, N., Bozorov, and K., Efferth, T. (2020). Novel Secondary Metabolites from Endophytic Fungi: Synthesis and Biological Properties. *Phytochem Rev*, 19(2), 425–448.

- Saikkonen, K. (2007). Forest Structure and Fungal Endophytes. *Fungal Biol Rev*, 21(2), 67–74.
- Sarsaiya, S., Shi, J., and Chen, J. (2019). Bioengineering Tools for the Production of Pharmaceuticals: Current Perspective and Future Outlook. *Bioengineered*, 10(1), 469–492.
- Schaechter, M. (2011). *Eukaryotic Microbes*. San Diego: Elsevier.
- Schulz, B., Boyle, C., and Draeger, S. (2002). Endophytic Fungi: a Source of Novel Biologically Active Secondary Metabolites. *Mycol Res*, 106(9), 996–1004.
- Segaran, G., and Sathiavelu, M. (2019). Fungal Endophytes: a Potent Biocontrol Agent and a Bioactive Metabolites Reservoir. *Biocatal Agric Biotechnol*, 21(10), 12-84.
- Siddiqui, B. S., Saffar, F. A., Ahmad, F., and Begum, S. (2007). Isolation and Structural Elucidation of Chemical Constituents From The Fruits of *Morinda citrifolia* Linn. *Arch Pharmacol Res*, 30 (8), 19-23.
- Singh, D. R., and Rai, R. B. (2007). *Morinda citrifolia* Linn. An Important Fruit Tree of Andaman and Nicobar Islands, *Nat. Prod Radiance*, 6(1), 62.
- Song J. J., Pongnak, W. and Soyong, K. (2016). Isolation and Identification of Endophytic Fungi from 10 Species Palm Trees. *International Journal of Agricultural Technology*, 12(2), 349-363.
- Sogandi, R. (2019). Identifikasi Senyawa Aktif Ekstrak Buah Mengkudu (*Morinda citrifolia* L.) dan Potensinya sebagai Antioksidan. *Jurnal Kimia Sains dan Aplikasi*, 22(5), 206-212.
- Sopialena., Sopian., dan Allita, L. D. (2019). Endophytic Fungi Diversity in Rice Plant and Their Potential as Pest Control. *Jurnal Agroekoteknologi Tropikal Lembab*, 2(1), 44-49.
- Sopialena., Syaifudin, E. A., dan Rusdiana. (2019). Kemampuan Jamur Endofit Padi dalam Menghambat Pertumbuhan Jamur Penyebab Penyakit Tanaman Padi (*Oryza sativa*) Secara in Vitro. *Jurnal Agroekoteknologi Tropikal Lembab*, 2(1), 44-49.
- Spatafora, J. W., and Mclaughin, D. J.(2015). *The Mycota: A Comprehensive Treatis On Fungi as Experimental Systems for Basic and Applied Research*. London: Systematics Evolution.
- Spatafora, J. W., and Mclaughin, D. J.(2017). *The Mycota: A 7 System-Atics and Evolution Part B*. Heidelberg: Springer.

- Suciamith, S. (2015). Diversitas Jamur Endofit pada Tumbuhan Mangrove di Pantai Sampiran dan Pulau Bunaken, Sulawesi Utara. *Journal psnmbi*, 1 (2), 44-50.
- Sudha, A., Pandiselvi, M., Manohar, M., Thaila. (2019). *Morinda citrifolia* L (Noni). *Pharmacological Benefits of Natural Products*,13,213 – 237.
- Sudjana, N. (2009). *Penilaian Hasil Proses Belajar Mengajar*. Bandung: PT. Remaja Rosdakarya.
- Sulistiyono, F. D., dan Mahyuni, S. (2019). Isolasi dan Identifikasi Jamur Endofit pada Umbi Talas (*Colocasia esculenta* (L.) Schoot). *Jurnal Sains Natural*, 9 (2), 66.
- Sulistiyorini, S., Amin, M. L., and Sugianto. (2019). Peningkatan Kognitif IPA Siswa Menggunakan Media Ular Tangga. *Jurnal Pendidikan Dasar*, 8(4), 68-74.
- Susilana, R., dan Riyana, C. (2007). *Media Pembelajaran*. Bandung: CV Wacana Prima.
- Venieraki, A., Dimou, M., and Katinakis, P. (2017). Endophytic Fungi Residing in Medicinal Plants have The Ability to Produce The Same or Similar Pharmacologically Active Secondary Metabolites as Their Hosts. *Hellenic Plant Prot J*, 10(2), 51–66.
- Walsh, M. D. and Thomas, J. (2018). *Larones Medically Important Fungi*. UK: MOC University.
- Wang, D. D., Yeats, T. H., Uluisik, S., Rose, J. K. C., and Seymour, G. B. (2018). Fruit Softening: Revisiting The Role of Pectin. *Trends Plant Sci*,23(4),302–310.
- Watanabe, T. (2002). *Pictorial Atlas Of Soil And Seed Fungi : Morphologies Of Cultured Fungi And Key To Species*. United States Of: CRC Press LLC.
- Watanabe, T. (1937). *Pictorial Atlas of Soil and Seed Fungi Morphologies of Cultured Fungi and Key to Species*. London New York Washington D.C: CRC Press.
- Westendorf, J., and Mettlich, C. (2009). The Benefits of Noni Juice: an Epidemiological Evaluation in Europe. *J Med Plants Res*,1,64–79.
- Woudenberg, J., Groenewald, J., Binder, M., and Crous, P. (2013). *Alternaria Redefined*. *Stud. Mycol*, 75 (3), 171–212.
- Xiong, Y., Mahmood, A., and Chopp, M. (2013). Animal Models of Traumatic Brain Injury. *Nat Rev Neurosci*, 1(4), 1-28.

- Yan, L., Zhu, J., and Zhao, X. (2019). Beneficial Effects of Endophytic Fungi Colonization on Plants. *Appl Microbiol Biotechnol*, 103(8), 3327–3340.
- Yashaswini., Sharma C. K., Venugopal, R. V., Hedge, A. N., and Mokashi. (2014). Noni: a New Medicinal Plant for The Tropics. *African Journal of Plant Science*, 8(5), 243-247.
- Yesmaya, V. T., Aspuraa, J. D., dan Prasetyo, I. (2018). Perancangan Aplikasi Ensiklopedia Menggunakan Augmented Reality Berbasis Android. *Jurnal Telematika*, 13(1), 27-32.
- Yougen, W. U., Sisay, G., Vitor, M., Silva, Brian, P., Xinwen, H., and Ghee, T. (2015). The Role of Endophytic Fungi in the Anticancer Activity of *Morinda citrifolia* Linn. (Noni), *Hindawi Publishing Corporation Evidence Based Complementary and Alternative Medicine*, 1(3), 1-8.
- Zhang, W., Wang, W., Zhang, J., Wang, Z., Wang, Y., Hao, W., and Huang, W. (2016). Antibacterial Constituents of Hainan *Morinda citrifolia* (Noni) Leaves. *J Food Sci*, 81 (5), 1192–1196.
- Zhang, Y., Yu, X., and Zhang, W. (2019). Interactions Between Endophytes and Plants: Beneficial Effect of Endophytes to Ameliorate Biotic and Abiotic Stresses in Plants. *J Plant Biol*, 62(1), 1–13.