DAFTAR PUSTAKA

Abubakar, S., Kadir, M. A., Wibowo, E. S., & Akbar, N. (2019). Manfaat Mangrove Bagi Peruntukan Sediaan Farmasitika Di Desa Mamuya Kecamatan Galela Timur Kabupaten Halmahera Timur (Tinjauan Etnofarmakologis). *Jurnal Enggano*, 4(1), 12-25.

Abliz, P., Fukushima, K., Takizawa, K., & Nishimura, K. (2004). Specific Oligonucleotide Primers for Identification of *Cladophialophora carrionii*, a Causative Agent of Chromoblastomycosis. *Journal of Clinical Microbiology*, *42*(1), 404–407. https://doi.org/10.1128/JCM.42.1.404-407.2004

Adi, V. Z. P., & Usman. (2017). Potential Antifungi Extract Methanol Leaf Mangrove Rhizopora mucronata on Fungi *Candida albicans* and *Aspergillus niger*. *Jurnal Kimia Mulawarman*, 15(1).

Ahmad, I., Khotimah, U. K., Arifuddin, M., & Aryati, F. (2023). Isolasi Fungi Endofit Batang Bajakah (*Ucaria nervosa* Elmer) dan Pengujan Toksisitas dengan Metode BSLT. *Jurnal Sains dan Kesehatan*, 5(1).

Aji, O. R., Sari, A. K., & Putri, D. A. (2022). Isolasi dan Uji Aktivitas Antagonisme Jamur Endofit Tanaman Pisang (*Musa paradisiaca* L.) terhadap *Fusarium oxysporum*, *Bioscientist: Jurnal Ilmiah Biologi*, 10(1), 10-17.

Ali, S. R. M., Fradi, A. J., & Al-Aaraji, A. M. (2016). Comparison between Different Cultural Medium on the Growth of Five *Aspergillus species*. *World J Pharmaceutical Research*, 5(8), 9-16.

Aliyah, S. H., Musfirotun., & Antriana, N. (2021). Aktivitas Antibakteri Isolat Kapang Endofit dari Kulit Nanas (*Ananas comosus* (L.) Meer). BIOSENSE, 4(2).

Alizadeh-behbahani, B., Tabatabaei-yazdi, F., Shahidi, F., & Mohebbi, M. (2012). Original article Antimicrobial activity of *Avicennia marina* extracts ethanol , methanol & glycerin against *Penicillium digitatum* (citrus green mold). *Scientific Journal of Microbiology*, *1*(7), 147–151.

Amaria, W., Efi, T., & Rita, H. (2013). Seleksi dan Identifikasi Jamur Antagonis sebagai Agens Hayati Jamur *Rigidoporus microporus* pada Tanaman Karet. *Journal of Industrial and Beverage Crops*, 4(1), 20-31. Doi: http://dx.dpo.org/10.21082/jtidp.v4n1.2013.p55-64

Anisa, R. S. (2021). Isolasi dan Karakterisasi Kapang pada Tanaman Bawang Merah (*Allium cepa* L.) Varietas Bima Curut Asal Kabupaten Brebes sebagai Penghambat Pertumbuhan *Fusarium* sp. Penyebab Penyakit Moler Secara *In Vitro*. [Skripsi]. Program Studi Biologi, Fakultas Sains dan Teknologi: Universitas Islam Negeri Syarif Hidayatullah: Jakarta.

Animasaun, D. A., Nnamdi, C. D., Ipinmoroti, O. I., Oyedeji, S., Olonya, E. A., Krishnamurthy, R., & Morakinyo, J. A. (2022). Molecular Identification and Phylogenetic Analysis of Fungi Contaminants Associated with In Vitro Cultured Banana Based on ITS Region Sequence. *HAYATI Journal of Biosciences*, *29*(3), 288–300. https://doi.org/10.4308/hjb.29.3.288-300

Articus, K., Divakar, M., & Brindha, P. (2004). Anti-obesity Potential of *Cyperus rotundus* L. aqueous Tuber Extract in Rats Fed on High Fat Cafetaria Diet. *Asian Journal of Pharmeceutical and Clinical Research,* 7(2), 88-92

Bae, H., Rim, S. O., Roy, M., Jeon, J., Montecillo, J. A., & Park, S. C. (2021). Diversity and Communities of Fungal Endophytes from Four Pinus Species in Korea. *Forest*, 12(3), 302. https://doi.org/10.3390/f12030302

Basha, N. S., Ogbaghebriel, A., Yemane, K., & Zenebe, M. (2012). Isolation and Screening of Endophytic Fungi from Eritrean Traditional Medical Plant *Terminalia brownii* Leaves for Antimicorbial Activity. *International Journal of Green Pharmacy*, 40-44. https://doi.org/10.4103/0973-8258.97124

Beeck, M. O., Lievens B., Busschaert, P., Declerck, S., Vangronsveld, J., & Colpaert, J. V. (2014). Comparison and Validation of Some ITS Primer Pairs Useful for Fungal Metabarcoding Studies. *PLOS ONE*, 9(6). https://doi.org/10.1371/journal.pone.0097629.

Bonnet, S. I., Blisnick, T., Al Khoury, C., & Guillot, J. (2021). Of Fungi and Ticks: Morphological and Molecular Characterization of Fungal Contaminants of a Laboratory-reared Ixodes Ricinus Colony. *Ticks and Tick-Borne Diseases*, 2(5).

Candraningrat, I. D. A. A., Santika, A. A. G. J., Dharmayanti, I. A. M. S., & Prayascita, P. W. (2021). Review Kemampuan Metode Gc-Ms Dalam Identifikasi Flunitrazepam Terkait Dengan Aspek Forensik Dan Klinik. *Jurnal Kimia*, *15*(1), 12. https://doi.org/10.24843/jchem.2021.v15.i01.p03

Chen, X., Sun, M., Chong, S., Si, J., & Wu, L. (2022). Transcriptomic and Metabolomic Approaches Deepen Our Knowledge of Plant-Endophyte Interactions. *Front. Plant Sci*, 12, 1-25.

Chung, W. H., Chung, W. C., Chen, L. W., Huang, J. H., & Huang, H. C. (2011). A New `Forma Specialis` of *Fusarium solani* Causing Leaf Yellowing of *Phalaenopsis*, *Plant Pathology*, 60, 244-252.

Clarkson, C., Maharaj, V. J., Crouch, N. R., Grace, O. M., Pillay, P., Matsabisa, M. G., Bhagwandin, N., Smith, P. J., & Folb, P. I. (2004). In Vitro Antiplasmodial Activity of Medicinal Plants Native to or Naturalised in South Africa. *Journal of Ethnopharmacology*. 92(2), 177-191.

Cook, R. J., & Baker, K. F. (1983). The Nature and Practice of Biological Control of Plant Pathogens (2nd ed.). Minnesot: American Phytopathological Society.

Cui, J. L., Ji, X., Xia, Y., & Zhang, H. (2022). The Microscopic Mechanism between Endhophytic Fungi and Host Plants: from Recognition to Building Stable Mutually Beneficial Relationship. *Microbial Research*, 261. https://doi.org/10.1016/j.micres.2022.127056

Dalimunthe, C. I., & Rachmawan, A. (2017). Prospek Pemanfaatan Metabolit Sekunder Tumbuhan Sebagai Pestisida Nabati untuk Pengendalian Patogen pada Tanaman Karet. *Warta Perkaretan*, 36(1), 15-28.

Dalilla, C. R., Mauricio, B. F., Simone, C. B., Silvia, B., & Sergio, F. P. (2015). Antimicrobial Activity of Volatile Compounds and Their Effect on Lipid Peroxidation and Electrolyte Loss in *Colletotrichum gleosporioides* and *Colletotrichum acutatum* Myelia. *African Journal Of Microbiology Research*, 9(23), 1527-1535. https://doi.org/10.5897/AJMR2015.7425.

Darmapatni, K. A. G. (2016). Pengembangan Metode GC-MS untuk Penetapan Kadar Acetaminophen pada Spesimen Rambut Manusia. *Jurnal Biosains Pascasarjana*, *18*(3), 255. https://doi.org/10.20473/jbp.v18i3.2016.255-266

Das, P., Effmert, U., Baermann, G., Quella, M. & Piechulla, B. (2022). Impact of Bacterial Volatile on Phytopathogenic Fungi: An In Vitro Study on Microbial Competition and Interaction. *Journal of Experimental Botany*, 73(2), 596-614. https://doi.org/10.1093/jxb/erab476.

Dashora, K., Javed, Z., Mishra, M., & Tripathi, G. D. (2021). Role of Fungal Secondary Metabolites in Plant Protection. In *New and Future Developments in Microbial Biotechnology and Bioengineering*. 39-46.

Daulay, A. S., Rossa, A., & Rahayu, Y. P. (2023) Antioxidant Activity and Toxicity of Raru (*Cotylelobium lanceolatum* Craib) Bark Extract Using the DPPH Method and BSLT Method. *Journal of Pharmaceutical and Sciences*, 1(1), 339-352.

Deacon, J. W. (2006). Fungal Biology. Blackwell publishing: Cornwall.

De Silva, N. I., Brooks, S., Lumyong, S., & Hyde, K. D. (2019). Use of Endophytes as Biocontrol Agents. *Fungal Biol*, 33.

Devi, T. S., Vijay, K., Vidhyavathi, R. M., Kumar, P., Govarthanan, M., & Kavitha, T. (2021). Antifungal Activity and Molecular Docking of Phenol 2,4-bis(1,1-dimethylethyl) Produces by Plant Growth Promoting Actinobacterium *Kutzneria* sp. Strain TSII from Mangrove Sediments. *Arch Miicrobiol*, 203(7), 4051-4064. https://doi.org/10.1007.s00203-021-02397-1

Devi, S. T., Chanu, K. D., Singh, N. B., Chaudhary, S. K., Keithellakpam, O. S., Kshetrimayum, B. S., Mukherjee, P. K., & Sharma, N. (2023). Chemical Profiling and Therapeutic Evaluation of Standardized Hydroalcoholic Extracts of *Terminalia chebula* Fruits Collected from Different Locations in

Manipur Against Colorectal Cancer. *Molecules,* 28(7), 2901. https://doi.org/10.3390/molecules28072901

Dewick, P. M. (2009). Medicinal Natural Products: A Biosynthetic Approach, 3rd Editio. West Sussex: UK.

Dharmayanti, N. L. (2011). Filogenetika Molekular: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa*, 21(1), 1-10.

Dini, S. K., Triakoso, N., Saputro, A. L., & Yudhana, A. (2022). *Capillaria* spp. in a Reticulated Python (*Python reticulatus*) in Banyuwangi Reptile Community. *Jurnal Medik Veteriner*, *5*(1), 119–123. https://doi.org/10.20473/jmv.vol5.iss1.2022.119-123

Don, S. M. Y., Schimidtke, L. M., Gambetta, J. M., & Steel, C. C. (2021). Volatile Organic Compounds Produced by *Aureobasidium pullulans* Induce Electrolyte Loss and Oxidative Stress In Botrytis Cinerea and Alternaria alternata. *Research in microbiology*, 172(1), 103788. https://doi.org/10.1093/j.resmic.2020.10.003.

Dorado, G., Besnard, G., Unver, T., & Hernández, P. (2019). Polymerase Chain Reaction (PCR). *Encyclopedia of Biomedical Engineering*, *1–3*(6), 473–492. https://doi.org/10.1016/B978-0-12-801238-3.08997-2

Egra, S., Mardhiana, Randy Patriawan, Kartina, Sudirman Sirait, & Harlinda Kuspradini. (2019). Aktivitas Antimikroba Tanaman Paku (*Stenochlaena palustris* dan *Pteridium caudatum*) Terhadap Bakteri (*Ralstonia solanacearum* dan *Streptococcus sobrinus*). *Jurnal Jamu Indonesia*, 4(1), 28–36.

Elabed., Hamouda., Merghni, Abderrahman,. Hamza., Rim., Bakhrouf., Amina,. & Gaddour. (2016). Molecular Analisis of the Adaptive Response in *Salmonella typhimurium* After Starvation in Salty Conditions. *The Journal of Infection in Developing Countries*, 10(1), 74-81

Ely, A. J., Tuhumena, L., Sopaheluwekan, J., & Pattinaja, Y. (2021). Strategi Pengelolaan Ekosistem Hutan Mangrove Di Negeri Amahai. *TRITON: Jurnal Manajemen Sumberdaya Perairan*, 17(1), 57-67.

Farhat, H., Urooj, F., Sohail, N., Ansari, M., & Ehteshamul-Haque, S. (2022). Evaluation of nematicidal potential of endophytic fungi associated with healthy plants and GC-MS profiling of metabolites of endophytic *Fusarium solani*. *South African Journal of Botany*, *146*, 146–161. https://doi.org/10.1016/j.sajb.2021.10.011

Farhat, H., Urooj, F., Tariq, A., Sultana, V., Ansari, M., Ahmad, V. U., & Ehteshamul-Haque, S. (2019). Evaluation of antimicrobial potential of endophytic fungi associated with healthy plants and characterization of compounds produced by endophytic *Cephalosporium* and *Fusarium solani*.

Biocatalysis and Agricultural Biotechnology, *18*, 101043. https://doi.org/10.1016/j.bcab.2019.101043

Fatchiyah, A.,Widyarti, L. E., & Rahau, S. (2011). *Biologi Molekular Prinsip Dasar Analisis*. Malang: Erlangga.

Febri., Sularno., & Pandu, Y. F. (2022). Studi Perbandingan Morfologi Rhizopora apiculata Dengan Bruguiera cylindrica Di Desa Pematang Kuala Sebagai Bahan Pengembangan Modul Bio Marine. *Journal Biology Education, Science & Tecnolgy*, *5*(1), 50–56.

Federer, W. (1963). Experimental Design Theory and Application. Oxford: Oxford and Lbh Publish Hinco.

Forslund,. Kristoffer,. Pekkari,. Isabella., & Sonnhammer, E. L. (2011). Domain Architecture Conservation in Orthologs. *BMC Bioinformatics*, 12(1), 1-14.

Gagic, M., Faville, M. J., Zhang, W., Forester, N. T., Rolston, M. P., Johnson, R. D., Ganeshh, S., Koolaard, J. P., Easton, H. S., Hudson, D., Johnson L. J., Moon, C. D., & Voisey, C. R. (2018). Seed Transmission of Epichole endophytes in *Lolium perenne* is Heavily Influenced by Host Genetics. *Front Plant Sci*, 9:1580. https://doi.org/10.3389/Fpls.201008.01580

Gandjar, I. G., & Rohman, A. (2012). Analisis Obat secara Spektrofotometri dan Kromatografi. Pustaka Pelajar: Yogyakarta.

Giorgio, A., De Starids, A., Lo Cantore, P., & Iacobellis, N. S. (2015). Biocide Effect of Volatile Organic Compounds Produced by Potential Biocontrol Rhizobacteria On *Sclerotinia sclerotiorum*. Frontiers in Microbiology, 6, 1056, https://doi.org/10.3389/fmicb.2015.01056.

Hanifa, Y. R., Pujiyanto, S., Ferniah, R. S., & Kusumaningrum, H. P. (2021). Identifikasi Molekular Jeruk Nipis Tegal berdasarkan Fragmen Gen 18S Ribosomal RNA. *Jurnal Bioteknlogi & Biosains Indonesia*, 8(2). https://doi.org/10.29122/jbbi.v8i2.4883

Hamzah, T. N. T., Lee, S. Y., Hidayat, A., Terhem, R., Faridah-Hanum, I., & Mohamed, R. (2018). Diversity and characterization of endophytic fungi isolated from the tropical mangrove species, Rhizophora mucronata, and identification of potential antagonists against the soil-borne fungus, Fusarium solani. *Frontiers in Microbiology*, *9*(JUL), 1–17. https://doi.org/10.3389/fmicb.2018.01707

Harman, G.E., Howell, C. R.,Viterbo, A., Chet, I., & Lorito, M. (2004). Trichoderma Species Opportunistic, Avirulent Plant Symbionts. *Nature Rev. Microbiol*, 2, 43-56.

Hasanah, U. (2018). Kurva Pertumbuhan Kapang Endofit Antijamur Candida dari Tumbuhan Raru (*Cotylelobium melanoxylon*) Genus *Aspergillus*. *Jurnal Biosains*, *4*(2), 102. https://doi.org/10.24114/jbio.v4i2.10474

Hasanuddin & Rosmayati. (2013). Karakteristik Morfologi Isolat Fusarium Penyebab Penyakit Busuk Umbi Bawang Merah. *Prosiding Seminar Nasional*, Universitas Riau.

Hasiani, V. V., Ahmad, I., & Rijai, L. (2015). Isolasi Jamur Endofit dan Produksi Metabolit Sekunder Antioksidan dari Daun Pacar (*Lawsonia inermis* L.). *Jurnal Sains Dan Kesehatan*, *1*(4), 146–153. https://doi.org/10.25026/jsk.v1i4.32

Hendrawati, T., & Rusanti, W. (2020). Pengaruh Penambahan Gel Aloe Vera terhadap Efektivitas Antiseptik Gel. *Jurnal Teknologi*, 12(1), 79-86. https://dx/doi.org/10.24853/jurtek.12.1.79-86

Heliawati, L. (2018). Kimia Organik Bahan Alam. Pascasarjana-UNPAK: Bogor.

Heirina, A., Rozirwan, R., & Hendri, M. (2020). Isolasi dan aktivitas antibakteri jamur endofit pada mangrove *Sonneratia alba* dari Tanjung Carat Kabupaten Banyuasin Sumatera Selatan. *Jurnal Penelitian Sains*, *22*(1), 16. https://doi.org/10.56064/jps.v22i1.562

Hersila, N., Chatri, M., Vauzia., & Irdawati. (2023). Senyawa Metabolit Sekunder (Tanin) pada Tanaman sebagai Antifungi. *Journal Embrio*, 15(1), 16-22.

Hidayat, T., & Pancoro, A. (2008). Kajian Filogenetika Molekuler dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Genetic Anggrek. *Jurnal AgroBiogen*, 4(1), 35-40.

Hikmawati, F., Susilowati, A., & Ratna, S. (2019). Deteksi Jumlah dan Uji Patogenitas Vibrio spp . pada Kerang Hijau (*Perna Viridis*) dikawasan Wisata Pantai Yogyakarta. *Jurnal Biodiv Indonesia*, *5*(2), 334–339. https://doi.org/10.13057/psnmbi/m050234

Huda, N., Imaningsih, W., & Hakim, S. S. (2019). Uji Antagonisme Kapang Endofit Tanaman Galam (*Melaleuca cajuputi*) terhadap *Colletotrichum truncatum*. *Jurnal Mikologi Indonesia*. *3*(2), 59–74.

Hossain, M. N., Alim, A., & Zaman, R.(2023). Investigation of Phytochemical Properties of the Methanolic Extract of Rosenvingea spp. Found in the North-Eastern Region of the Bay of Bengal. *Bioresearch Communications*, 9(1). https://doi.org/10.3329/brc.v9i1.63606

Ilaahi, D. A., Sulistyowati, E., & Arfarita, N. (2015). Konsentrasi Hambat Minimal Campuran Rimpang Lengkuas dan Abu Merang dengan Pembanding Ketokonazol pada pertumbuhan *Pityrosporum ovale*. *Jurnal Bio Komplementer Medicine*, 2(1).

IUCN. (2018). The IUCN Red List Of Threatened Species. *Malayophyton reticulatus*. Diakses pada 22 Juli 2024. Dari https://www.iucnredlist.org.

Jakovljevic, V., Milicevic, J., & Stojanovic, J. (2014). Detergent-Like Stressor and Nutrient in Metabolism of *Penicillium chrysogenum. Biotechnology & Biotechnological Equipment,* 28(1), 43-51.

Jia, M., Chen, L., Xin, H. L., Zheng, C. J., Rahman, K., & Han, T. (2016). A Friendly Relationship Between Endophytic Fungi and Medical Plants: A Systematic Revies. *Front. Microbiol.* 7, 906.

Julianto, T. S. (2019). Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokimia. Universitas Islam Indonesia: Jakarta.

Joseph, O. B., Sholagbade, A. T., & Olubunmi, J. O. (2016). Synthesis, Characterization and Biological Studies of N-Methylindole-3-Thioacetic Acid. *Journal of Applied Chemical Science International*, 7(2), 90-114.

Kanjana, M., Kanimozhi, G., Udayakumar, R., & Panneerselvam, A. (2019). GC-MS Analysis of Bioactive Compounds of Endophytic Fungi *Chaetomium globosum, Cladosporium tenuissimum* and *Penicillium janthinellum. Journal of Biomedical and Pharmaceutical Sciences*, 2(1).

Kamono, W. D., Prayoga, S. F., Oktaviana, V., & Fikri, F. (2019). Laporan Kasus: *Amblyomma* sp. pada Ular Sanca Kembang (*Python reticulatus*) di Banyuwangi Reptile Community. *Jurnal Medik Veteriner*, *2*(2), 140. https://doi.org/10.20473/jmv.vol2.iss2.2019.140-144

Kaur, N., & Arora, D. S. (2020). Bioactive potential of endophytic fungus *Chaetomium globosum* and GC – MS analysis of its responsible components. *Scientific Reports*, 1–10. https://doi.org/10.1038/s41598-020-75722-1

Khalil, A. M. A., Abdelaziz, A. M., Khaleil, M. M., & Hashem, A. H. (2021). Fungal endophytes from leaves of Avicennia marina growing in semi-arid environment as a promising source for bioactive compounds. *Letters in Applied Microbiology*, 72(3), 263–274. https://doi.org/10.1111/lam.13414

Kitamura, S. C., Anwar, A. C., & Baba, S. (1997). Handbook of Mangroves in Indonesia. Bali dan Lombok. The Developent of Suistainable Mangrove Project. Ministry of Foresty Indonesia and Japan International Cooperation Agency.

Klaiklay, S., Rukachaisirikul, V., Phongpaichit, S., Pakawatchai, C., Saithong, S., Buatong, J., Preedaon, S., & Sakayaroj, J. (2012). Anthraquinone Derivates from the Mangrove-Derived Fungus *Phomopsis* sp. PSU-MA214. *Phytochem Lett*, 5, 738-742.

Kumala, S. (2014). Mikroba Endofit: Pemanfaatan Mikroba Endofit dalam Bidang Farmasi. Jakarta. ISFI.

Kumala, S., & Pratiwi, A. A. (2014). Efek Antimikroba dari Kapang Endofit Ranting Tanaman Biduri. *Jurnal Farmasi Indonesia*, 7(2).

Kurniawati, A., Mashartini, A., & Fauzia, I. S. (2016). Perbedaan Khasiat Anti Jamur antara Ekstrak Etanol Daun Kersen (*Mutingia calabura* L) dengan Nistatin terhadap Pertumbuhan *Candida albicans*. *Jurnal PDGI*, 65(3), 74-77

Kusuma, Y., Pinatih, K. J. P., & Hendrayana, M. A. (2019). Efek Sinergis Kombinasi Chlorhexidine dan Alkohol terhadap Daya Hambat Pertumbuhan *Staphylococcus aureus. E-Jurnal Medika*, 8(3).

Kurniawan, H., & Ropiqa, M. (2021). Uji Toksisitas Ekstrak Etanol Daun Ekor Kucing (*Acalypha hipsida* Burm.f.) dengan Metode Brine Shrimp Lethality Test (BSLT). *Journal Syifa Sciences and Clinical Research*, 3(2).

Kottb, M., Gigolashavili, T., Groβkinsky, D. K., & Piechulla, B. (2015). *Trichoderma* volatiles effecting arabidopsis: From inhibition to protection against phytopathogenic fungi. *Front. Microbiol*, 6, 995.

Kress, W.J., Prince, L. M., & Williams, K. J. (2002). The Phylogeny and a New Classification of The Gingers (*Zingiberaceae*): Evidence from Molecular Data. *Am. J. Bot.* 89, 1682-1696. https://doi.org/10.3732/ajb.89.10.1682

Laraswati, J. I. (2018). Struktur Komunitas Kapang Endofit Tanaman Pegagan (*Centella asiatica* (L.) Urb.) Aksesi Bengkulu. [Skripsi]. Jakarta: Fakultas Sains dan Teknologi, UIN Syarif Hidayatullah Jakarta

Ladner, J. T., Palmer, J. M., Ettinger, C. L., Stajich, J. E., Farrell, T. M., Glorioso, B. M., Lawson, B., Price, S. J., Stengle, A. G., Grear, D. A., & Lorch, J. M. (2022). The population genetics of the causative agent of snake fungal disease indicate recent introductions to the USA. *PLoS Biology*, 20(6), 1–24. https://doi.org/10.1371/journal.pbio.3001676

Lamtham, S., Sopalun, K., Laosripaiboon, W., & Wachirachaikarn, A. (2021). Biological Potential and Chemical Composition of Bioactive Compounds from Endophytic Fungi Associated with Thai Mangrove Plants. *South African Journal of Botany*. 141. 66-76

Lee, S.O., Kim, H. Y., Choi, G. J., Lee, H. B., Jang, K. S., Choi, Y. H., & Kim, J. C. (2009). Mycofumigation with *Oxysporus latemarginatus* ef069 for Control of Postharvest Apple Decay and Rhizoctonia Root Rot on Moth Orchid. *J. Appl. Microbiol*, 106, 1213-1219.

Lisnawita., Sanjaya, E. M., & Tobing, M. C. (2018). Toksisitas Metabolit Sekunder *Penicillium* sp. pada Berbagai Media Kultur untuk Mengendalikan *Spodoptera* sp. In Vitro. *TALENTA Conference Series: Agricultural & Natural Resources (ANR),* 1(2), 131-137.

Listiandini, K. (2011). Identifikasi Kapang Endofit ES1, ES2, ES3, dan ES4 dari *Broussonetia papyrifera* Vent. dan Pengujian Aktivitas Antimikroba. [Skripsi]. Depok: Departemen Biologi Fakultas MIPA UI.

Liu, Y., Zhao, X., Zhou, J., & Tian, R. (2022). Microbial Volatile Organic Compounds: Antifungal Mechanism, Applications, and Challenges. *Frontiers in Microbiology*. https://doi.org/10.3389/fmicb.2022.922450

Lorch, J. M., Lankton, J., Werner, K., Falendysz, E. A., McCurley, K., & Blehert, D. S. (2015). Experimental infection of snakes with ophidiomyces ophiodiicola causes pathological changes that typify snake fungal disease. *MBio*, 6(6), 1–9. https://doi.org/10.1128/mBio.01534-15

Macia-Vicente, J. G., Jansson, H. B., Abdullah, S. K., Descals, E., Salinas, J., & Lopez-Liorca, L. V. (2008). Fungal Root Endophytes from Natural Vegetation in Mediterranean Environments with Special Reference to *Fusarium* spp. *FEMS Microbiolog Ecology*, 64, 90-105

Macedo, M. F., Neves, E. R., Schafer, S., Phillips, A., & Canejo, J. (2009). Antifungal Effect of Different Methyl and Propyl Paraben Mixtures on The Treatment of Paper Biodeterioration. *International Biodeterioration & Biodegradation*, 63(3), 267-272.

Madigan, M. T., Martinko, J. M., Stahl, D. A., & Parker, J. (2012). Brock: Biology of Microorganism. 13th Edition. Pearson Education, Inc., United States Of America.

Maligan, J. M., Adhianata, H., & Zubaidah, E. (2016). Produksi dan Identifikasi Senyawa Antimikroba dari Mikroalga *Tetraselmis chuii* dengan Metode UAE Kajian Jenis Pelarut dan Jumlah Siklus Ekstraksi. *Jurnal Teknologi Pertanian*, 17(3), 203–212.

Mahyarudin, M., Baraga, P. V., & Rialita, A. (2021). Aktivitas Antibakteri Metabolit Sekunder Isolat Bakteri Endofit Kunyit (*Curcuma longa* L.) terhadap *Propionibacterium acnes*. BIOMA: Jurnal Ilmiah Biologi, 11(1).

Mairing P. P. (2022). Isolasi Jamur Endofit dari *Sonneratia alba* dan Toksisitasnya terhadap *Artemia salina*. *Jurnal Ilmiah dan Multi Disiplin Indonesia*, 1(7).

Mapari, S. A., Meyer, A. S., Thrane, U., & Frisvad, J. C. (2009). Identification of Potentially Safe Promising Fungal Cell Factories for the Production of Polyketide Natural Food Colorants using Chemataxonomic Rationale. *Microbe. Cell Fact,* 8(24). https://dx.doi.org/10.1186/1475-2859-8-24

Martinez-Luis, S., Cherigo, L., Higginbotham, S., Arnold, E., Spadafora, C., Ilbanez, A., & Cubilla-Rios, L. (2011). Screening and Evaluation of Antiparasitic and In Vitro Anticancer Acitivities of Panamanian Endophytic Fungi. *International Microbiology*, 14(2), 95.

Mbaveng, A. T., & Kuete, V. (2014). Review of the Chemistry and Pharmacology of 7-Mehtyljugulone. *Afr Health Sci,* 14(1), 201-205. https://doi.org/10.4314/ahs.v14i1.31.

Medentsev, A. G., Arinbasarova, A. Y., & Akimenko, V. K. (2002). Respiratory Activity and Naphthoquinone Synthesis in the Fungus *Fusarium decemcellulare* Exposed to Oxidative Stress. *Microbiology*, 71, 148-153. https://doi.org/10.1023/A:1015133801671

Michelle. (2012). Isolasi, Identifikasi, dan Pengujian Kemampuan Kapang Selulotik dari Manuskrip Kuno Berbahan Daluang Asal Perpustakaan Fakultas Ilmu Pengetahuan Budaya Universitas Indonesia. [Skripsi]. Depok: Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Indonesia

Morales-Sánchez, V., Díaz, C. E., Trujillo, E., Olmeda, S. A., Valcarcel, F., Muñoz, R., Andrés, M. F., & González-Coloma, A. (2021). Bioactive metabolites from the endophytic fungus *Aspergillus* sp. SPH2. *Journal of Fungi*, *7*(2), 1–12. https://doi.org/10.3390/jof7020109

Morente, E. O., Abriouel, H., Lopez, L. R., Omar, N. B., & Galvez, A. (2010). Antibacterial Activity of Carvacrol and 2-Nitro-1-Propanol Against Single and Mixed Populations of Foodborne Pathogenic Bacteria in Corn Flour Dough. *Food Microbiology*, 27(2), 274-279. https://doi.org/10.1016/j.fm.2009.11.006

Mukhlis, D. K., Rozirwan., Hendri, M. (2018). Isolasi dan Aktivitas Antibakteri Jamur Endofit pada Mangrove *Rhizophora apiculata* dari Kawasan Mangrove Tanjung Api-Api Kabupaten Banyuasin Sumatera Selatan. *Maspari Journal*, 10(2), 151-160. https://doi.org/10.56064/maspari.v10i2.5899.

Munir, E., Hartanto, A., Basyuni, M., Saleh, M. N., Hastuti, L. D. S., Yurnaliza, Y., Nurtjahja, K., & Lutfia, A. (2023). Antifungal Activity of Volatile Organic Compounds (VOC) by an Endophytic Fungus, *Lasiodiplodia avicenniae* P2P4 from *Avicennia alba* Against *Fusarium oxysporum*. *Rasayan J. Chem*, 16(1), 182-187. https://doi.org/10.31788/RJC.2023.1618038

Nainggolan, K., Kusrini, M. D., & Kartono, A. P. (2017). Karakteristik Ular Sanca Batik (*Python reticulatus*) yang Dipanen di Sumatera Utara. *Jurnal Penelitian Hutan dan Konservasi Alam*, 14(1), 44-55.

Newell, P. D., Fricker, A. D., Roco, C. A., Chandrangsu, P., & Mekel, S. M. (2013). A Small-Group Activity Introducing the Use and Interpretation of BLAST. *Journal of Microbiology & Biology Education*, 14(2), 238-243

Niawati, S., Utami, T. S., Arbianti, R., & Hermansyah, H. (2016). Pengaruh Suhu dan pH pada Medium Onggok dan Ampas Tahu dalam Produksi Asam Lemak Tak Jenuh dengan Menggunakan *Aspergillus oryzae*. Seminar Nasional Teknik Kimia, Teknologi Oleo Petro Kimia Indonesia, Pekanbaru.

Novita, W. (2016). Uji Aktivitas Antibakteri Fraksi Daun Sirih (*Piper betle* L.) Terhadap Pertumbuhan Bakteri *Streptococcus mutans* Secara in Vitro. *JMJ (Jambi Medical Journal)*, *4*(2), 140–155.

Noval., Nastiti, K., Nugraha, D. F., Rahmadani., & Alawiyah, T. (2020). *Hand Sanitizer* Product Innovation of Bajakah`s Root as Prevention Measurement in Covid-19 Pandemic. *Jurnal Ilmiah Pengabdian kepada Masyarakat,* 4(2), 305-312.

Nurhalimah, S., Rahmawati, S. I., Hermanianto, J., Nurjanah, S., Izzati, F. N., Septiana, E., Rachman, F., Bustanussalam, B., Hapsari, Y., Simanjuntak, P., & Putra, M. Y. (2021). Aktivitas Antioksidan dari Metabolit Sekunder Kapag Endofit Magrove *Aegiceras corniculatum*. *Biopropal Industri*, 12(1), 51. https://doi.org/10.36974/jbi.v12i1.6539

Nuttall, P. A. (2023). Tick saliva and its role in pathogen transmission. *Wiener Klinische Wochenschrift*, 135(7–8), 165–176. https://doi.org/10.1007/s00508-019-1500-y

Nyoman, I., Negara, W., Ayu, P., Putriningsih, S., Gede, P., Arjentinia, Y., Made, I., Prabawa, A., Profesi, M. P., & Hewan, D. (2018). Fungi-fungi Penginfeksi Kulit Ular Liar di Bali. *Indonesia Medicus Veterinus Oktober*, 7(5), 2477–6637. https://doi.org/10.19087/imv.2018.7.5.489

Oryacta, Z., & Saputra, R. (2015). Pengaruh Jenis Pelarut Terhadap Jumlah Ekstrak dan Daya Antifungi Daun Ketepeng Cina (*Cassia Alata* L.) Terhadap Jamur (*Trychophyton* sp.). *Jurnal Photon*, 5(2).

Pal., K. K., & Gardener, B. M. (2006). Biological Control of Plant Pathogens. *The Plant Health Instructor,* 6. https://doi.org/10.1094/PHI-A-2006-1117-02

Pandit, P., Bandivdekar, R., Geevarghese, G., Pande, S., & Mandke, O. (2011). Tick infestation on wild snakes in northern part of western Ghats of India. *Journal of Medical Entomology*, 48(3), 504–507. https://doi.org/10.1603/ME10164

Pangow, E., Posangi, J., Lolo, W. A., & Bara, R. A. (2020). Uji Aktivitas Antibakteri Jamur Endofit pada Daun dan Batang Tumbuhan Kumis Kucing (*Orthosipon arisatus*) terhadap Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *Pharmacon*, 9(2). https://doi.org/10.35799/pha.9.2020.29273

Parafati, L., Vitale, A., Restuccia, C., & Cirvilleri, G. (2017). Performance Evaluation Of Volatile Organice Compounds By Antagonistic Yeasts Immobilized On Hydrogel Spheres Against Gray, Green And Blue Postharvest Decays. *Food Microbiology,* 63, 191-198. https://doi.org/10.1016/j.fm.2016.11.021

Patra, J. K., Mohantana, Y. K. (2014). Antimicrobial Compounds from Mangrove Plants: A Pharmaceutical Prospective. *Chin. J. Integr. Med*, 20, 311-320.

Pattanaik, B. N., & Mandalia, H. C. (2011). Ethyl Acetate: Properties, Production Processes and Applications-A Review. *International Journal of Current Research and Review*, 3(12).

Pham, M., Underwood, J., & Chávez, A. S. O. (2021). Changing the recipe: Pathogen directed changes in tick Saliva components. *International Journal of Environmental Research and Public Health*, *18*(4), 1–20. https://doi.org/10.3390/ijerph18041806

Pitasari, A., & Ali, M. (2018). Isolasi dan Uji Antagonis Bakteri Endofit dari Tanaman Bawang Merah (*Allium ascalonicum* L.) terhadap Jamur *Alternaria porri* Ellis Cif. *JOM Faperta*, 5(1), 1-12

Prasetyo, B. B., Purwadi, & Rosyidi, D. (2015). Penambahan CMC (*Carboxyl Methyl Celullose*) pada Pembuatan Minuman Madu Sari Buah Jambu Merah (*Psidium guajava*) ditinjau dari pH, Viskositas, Total Kapang dan Mutu Organoleptik. 1-8. Universitas Brawijaya, Malang.

Prematthilaka, R., & Silva, M. (2016). Bioactive Compounds and Antioxidant Activity of *Bunchosia armenica. World Journal of Pharmacy and Pharmaceutical Sciences*, 5(10), 1237-1247.

Puspawati, G. A., Intariani, N. P., & Wisaniyasa, N. W. (2022). Pengaruh Konsentrasi Carboxyl Methyl Celullosa (CMC) terhadap Karakteristik Bubuk Daun Singkong (Manihot esculenta Crantz) dengan Metode Foam Mat Drying. *Jurnal Ilmu dan Teknologi Pangan*, 11(4). 744-755.

Putri, A. Y. (2018). Uji Aktivitas Antifungi dan Fitokimia Metabolit Sekunder Kapang Endofit *Trichoderma* sp. Terhadap Kapang Patogen *Colletotrichum* sp. dan *Fusarium oxysporum* pada Tanaman Cabai. [Skripsi]. Jurusan Biologi, Fakultas Sains dan Teknologi, UIN Maulana Malik Ibrahim Malang

Putri, D. V., Lestari, F., & Widiya, M. (2019). Uji Daya Antibakteri Sari Pati Dau Rukam (*Flacourtia rukam*) terhadap Zona Hambar *Escherichia coli*. *Jurnal Biosilampari: Jurnal Biologi.* 2(1), 23–28. https://doi.org/10.31540/biosilampari.v2i1.525

Poerwanto, R. A., Munif, A., Nurmansyah, S., Wiyono, W., & Sari. (2017). Keanekaragaman dan Patogenitas *Fusarium* spp. Asal Beberapa Kultifar Pisang. Institut Pertanian Bogor, Bogor 16680.

Prihanto, A. A., Firdaus, M., & Nurdiani, R. (2011). Endophytic Fungi Isolated from Mangrove (*Rhizophora mucronata*) and Its Antibacterial Activity on *Staphylococcus aureus* and *Escherichia coli*. *Journal of Food Science and Engineering, 1,* 386-389.

Rafiqi, M., Ellis, J. G., Ludowici, V. A., Hardham, A. R., & Dodds, P. N. (2012). Challenges and Progress Towards Understanding the Role of Effectors in Plant Fungal Interactons. *Curr. Opin Plant Biol,* 15(4), 477-482. https://doi.org/10.1016/j.pbi.2012.05.003.

Rahayu, S. M. (2006). Uji Banding Efektivitas Air Rebusan Daun Sambiloto (*Andrographis paniculata*) 100% dengan Ketokonazol 2% secara *In Vitro* terhadap Pertumbuhan *Candida albicans* pada Kandidalis Vaginalis. Artikel Ilmiah. Fakultas Kedokteran, Unversitas Diponegoro: Semarang.

Rahayu, F., Saryono, & Nugroho, T. T. (2015). Isolasi DNA dan Amplifikasi PCR Daerah ITS ribosomal DNA Fungi Endofit Umbi Tanaman Dahlia (*Dahlia variabilis*) LBKURCC69. *X simposio Basileiro de Automacao Inteligente* (SBAI). JOM FMIPA, 27(25), 261-265. https://doi.org/10.1039/b908937c.

Rahayu, W. P., Ratih, P., & Nurjanah, S. (2023). Deteksi dan Identifikasi Molekuler Kapang Berpotensi sebagai Penghasil Patulin pada Buah Tropis. *Journal of Food Technology and Industry*, 34(2): 127-141. https://doi.org/10.6066/jtip.2023.34.2.127.

Rahmadhani, T., Rahmawati, Y. F., Qalbi, R., H. P., N. F., & Husna, S. N. (2021). Zonasi dan Formasi Vegetasi Hutan Mangrove: Studi Kasus di Pantai Baros, Yogyakarta. *Jurnal Sains Dasar*, 10(2), 69–73. https://doi.org/10.21831/jsd.v10i2.43912

Rahmawati, F. C., Kusdiyantini, E., & Budiharjo, A. (2017). Isolasi dan Identifikasi Molekuler Khamir dari Molase serta Kemampuannya dalam Produksi Etanol. *J. Akademika Biologi*, 6(4), 89-98.

Rahmawati, S., Izzati, F., Yapsari, Y., Septiana, E., Rachman, F., Bustanussalam, & Simanjuntak, P. (2019). Endophytic Microbes and Antioxidant Activities of Secondary Metabolites from Mangroves *Avicennia marina* and *Xylocarpus granatum*. *IOP Conf. Series: Earth and Enviromental Sciences*.

Rajamanikyam. M., Vadlapudi, V., Amanchi, R., & Upadhyayula, S. M. (2017). Endophytic Fungi as Novel Resources of Natural Therapeutics. *Brazilian Archives of Biology and Technology*, 60(0). https://doi.org/10.1590/1678-4324-2017160542

Rante, H., Umar, A. H., & Mau, D. P. (2021). Isolasi Fungi Endofit dari Daun Asam Jawa (*Tamarindus indica* L .) Sebagai Penghasil Senyawa. *Majalah Farmasi Dan Farmakologi*, *25*(2), 66–68. https://doi.org/10.20956/mff.v25i2.13380

Ras-Norynska, M., & Sokol, R. (2015). Internal Parasites of Reptiles. *Annals of Parasitology*, 61(12), 115-117.

Rathna, J., Yazhini, K. B., Ajilda, A. A. K., Prabu, H. G. M., & Pandian, S. K. (2016). Production of naphthoquinones and phenolics by a novel isolate *Fusarium solani* PSC-R of Palk Bay and their industrial applications. *Bioresource Technology*, *213*, 289–298. https://doi.org/10.1016/j.biortech.2016.04.050

Ratnasari, J. D., Isnawati, & Ratnasari, E. (2014). Uji Antagonis Jamur Agens Hayati terhadap Jamur *Cercospora musae* Penyebab Penyakit Sigatoka Secara In Vitro. *LenteraBio*. 3(2), 129-135.

Romadanu, R. H. S., & Lestari, D. S. (2014). Pengujian Aktivitas Antioksidan Ekstrak Bunga Lotus. *Fishtech*, 3(1), 1-7.

Rong, J., Janson, S., Umehara, M., Ono, M., & Vrieling, K. (2010). Historical and contemporary gene dispersal in wild carrot (*Daucus carota* spp. carota) populations. *Annals of Botany*, *106*(2), 285–296

Rohmani, S., & Kuncoro, M. A. A. (2019). Uji Stabilitas dan Aktivitas Gel andsanitizer Ekstrak Daun Kemangi. *JPSCR : Journal of Pharmaceutical Science and Clinical Research*, 4(1), 16. https://doi.org/10.20961/jpscr.v4i1.27212

Rusli, R., Khoirunnisa., Gama, N. I., & Arifuddin, M. (2021). Bioactivity of Ethyl Acetate Extract from Fermentation of the Endophytic Stem of Bajakah (*Uncaria nervosa* Elmer.). *Jurnal Sains dan Kesehatan*, 5(1). https://doi.org/10.25026/jsk.v5iSE-1.2054

Ryla, C., Rk, N., & Mardina, V. (2022). Isolasi dan Karakterisasi Morfologi Fungi Endofit Asal Mangrove *Rhizophora apiculata* Blume. *Konservasi Hayati*, 18(1), 26–30.

Sa`idiyah, H., Rahmadani, & Malahayati, S. (2023). Penetapan Kadar Metilparaben pada Krim Pemutih Wajah yang Beredar di Kecamatan Mentaya Hilir Utara Mengguakan HPLC (*High Performance Liquid Chromatography*). *Journal of Pharmeceutical Care and Sciences*, 4(1). https://doi.org/10.33589/jpcs.v4i1

Salman, M., Javed, M. R., Tariq, A., Tawab, A., Zahoor, M. K., Naheed, S., Shahid, M., Ijaz, A., & Ali, H. (2022). The Antibacterial and Larvacidal Potential of Bis(2-ethylhexyl) phthalate from *Lactiplantibacillus plantarum*. *Molecules*, 27(21), 7220. https://doi.org/10.3390/molecules27217220

Sanchez-Hernandez, E., Teixeira, A., Pereira, C., Cruz, A., Martin-Gil, J., Oliveira, R., & Martin-Ramos, P. (2023). Chemical Constituents and Antimicrobial Activity of *Ganoderma lucidum* (Curtis.) P. Karst. Aqueous Ammonia Extract. *Plants (Basel, Switzerland)*, 12(12). https://doi.org/10.3390/plants12122271

Sani, L. H., Candri, D. A., Ahyadi, H., & Farista, B. (2019). Struktur Vegetasi Mangrove Alami Dan Rehabilitasi Pesisir Selatan Pulau Lombok. *Jurnal Biologi Tropis*, 19(2), 268–276. https://doi.org/10.29303/jbt.v19i2.1363

Sanidad, K. Z., Yang, H., Wang, W., Ozay, E. I., Yang, J., Gu, M., Karner, E., Zhang, J., Kim, D., Minter, L. M., Xiao, H., & Zhang, G. (2018). Effects of consumer antimicrobials benzalkonium chloride, benzethonium chloride, and chloroxylenol on colonic inflammation and colitis-associated colon

tumorigenesis in mice. *Toxicological Sciences*, 163(2), 490–499. https://doi.org/10.1093/toxsci/kfy045

Santoso, D., Yamin, M., & Makhrus, M. (2019). Penyuluhan Tentang Mitigasi Bencana Tsunami Berbasis Hutan Mangrove Di Desa Ketapang Raya Kecamatan Keruak Lombok Timur. *Jurnal Pengabdian Magister Pendidikan IPA*, 2(1). https://doi.org/10.29303/jpmpi.v1i2.242

Saptiani, G., Prayitno, S. B., & Anggoro, S. (2012). Aktivitas Antibakteri Ekstrak Jeruju (*Acanthus ilicifolius*) terhadap Pertumbuhan *Vibrio harveyi* secara In Vitro. *Journal Vetriner*, 13(3): 257-262

Sari, Q. W., & Pratama, F. A. P. (2022). Analisis Struktur Dan Komunitas Vegetasi Ekosistem Mangrove Di Pantai Cipatujah Tasikmalaya Jawa Barat. *Maspari Journal : Marine Science Research*, *14*(1), 25–35. https://doi.org/10.56064/maspari.v14i1.15935

Schloss, P. D., & Handelsman, J. (2005). Introducing DOTUR, A Computer Program for Defining Operational Taxonomic Units and Estimating Species Richness. *Applied and Enviromental Microbiology*, 71(3), 1501-1506.

Schoch, C. L., Seifert, K. A., Huhndorf, S., Robert, V., Spouge, J. L., Levesque, C. A., Chen, W., Bolchacova, E., Voigt, K., Crous, P. W., Miller, A. N., Wingfield, M. J., Aime, M. C., An, K. D., Bai, F. Y., Barreto, R. W., Begerow, D., Bergeron, M. J., Blackwell, M., & Schindel, D. (2012). Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. *Proceedings of the National Academy of Sciences of the United States of America*, *109*(16), 6241–6246.

Selvaraj, G., Kaliamurthi, S., & Thirugnasambandan, R. (2016). Effect of Glycosin Alkoloid from Rhizophora apiculata in Non-Insulin Dependent Diabetic Rats and Its Mechanism of Action: In Vivo and In Silico Studies. *Phytomedicine: International Journal of Phytotherapy & Phytopharacology*, 23(6).

Sentosa, A. B. (2023). Identifikasi Mikroba Patogen pada Saliva Caplak yang Menginfeksi Satwa Ular Sanca Kembang di Taman Margasatwa Ragunan. [Skripsi]. Jakarta: Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Jakarta

Setyowati, P. L. (2018). Penapisan Bakteri Antagonis dari Buah Kakao untuk Menekan Perkembanagan Penyakit Busuk Buah Kakao. [Disertasi]. Yogyakarta: Fakultas Penelitian. Universitas Gadjah Mada.

Shirotake, S. (2014). A New Cynoacrylate Colloidal Polyer with Nove Antibacterial Mechanism and Its Application to Infection Control. *Nanomedine Biotherapeautic Discovery*, 4(1), 1-17.

Shara, M., & Basyuni, M. (2023). Potential of Phylloplane Fungi from Mangrove Plant *(Rhizophora apiculata Blume)* as Biological Control Agents against *Fusarium oxysporum f . sp . cubense* in Banana Plant *(Musa acuminata L .)*.

Sharaf, M. H., Abdelaziz, A. M., Kalaba, M. H., Radwan, A. A., & Hashem, A. H. (2022). Antimicrobial, Antioxidant, Cytotoxic Activities and Phytochemical Analysis of Fungal Endophytes Isolated from *Ocimum Basilicum*. *Applied Biochemistry and Biotechnology*, *194*(3), 1271–1289. https://doi.org/10.1007/s12010-021-03702-w

Siagian, T. B., Fadila, A. E., & Raudlowi, H. (2023). Kejadian Infeksi Cacing Saluran Pencernaan pada Ular Sanca Batik (*Phyton reticulatus*). *Journal on Education*, 6(1), 2352-2360.

Simatupang, F., Situmorang, I. M., Saputra, H., Teknologi, P., Industri, K., Kelapa, P., Citra, S., & Edukasi, W. (2023). *Identifikasi Gulma Sembung Rambat Berbasis Molekuler*. *6*(1), 79–86.

Simo, L., Kazimirova, M., Jennifer, R., & Bonnet, S. (2017). The Essential Role of Tick Salivary Glands and Saliva in Tick Feeding and Pathogen Transmission. *Frontiers in Cellular and Infection Microbiology*, *7*. https://doi.org/10.3389/fcimb.2017.00281.

Srikandance, Y., Hapsari, Y., & Simanjuntak, P. (2007). Seleksi Mikroba Endofit *Curcuma zedoaria* dalam Memproduksi Senyawa Kimia Antimikroba. *Jurnal Ilmu Kefarmasian Indonesia*, 5(2): 77-84.

Sritamin, M., Sholihah, R. I., & Wijaya, I. N. (2019). Identifikasi Jamur *Fusarium solani* yang Berasosiasi dengan Penyakit Busuk Batang pada Tanaman Buah Naga (*Hylocereus* sp.) Di Kecamatan Bangorejo, Kabupaten Banyuwangi. *E-Jurnal Agroekoteknologika Tropika*, 8(1).

Stone, J. K., Bacon, C. W., & White, J. (2000). An Overview of Endophytic Microbes: Endophytis Defined.

Subari, A., Razak, A., & Sumarmin, R. (2021). Phylogenetic Analysis of *Rasbora* spp. Based on the Mitochondrial DNA COI Gene in Harapan Forest. Jurnal Biologi Tropis, 21(1), 89-94. https://doi.org/http://dx.doi.org/10.29303/jbt.v2lil.2351.

Sukmadewi, D. K. T., Anas, I., Widyastuti, R., & Cintaresmini, A. (2017). Uji Fitopatogenitas, Hemolisis Serta Kemampuan Mikrob Dalam Melarutkan Fosfat Dan Kalium. *Jurnal Ilmu Tanah Dan Lingkungan*, *19*(2), 68–73. https://doi.org/10.29244/jitl.19.2.68-73

Sukmawati, D., Oetari, A., Hendrayanti, D., Atria, M., & Sjamsuridzal, W. (2015). Malaysian Journal of Microbiology Column Photobioreactor. *Malaysian Journal of Microbiology*, *10*(1), 29–37.

Sukmawati, D., Marham, D. H., & Rustam, Y. (2017). Uji Kemampuan Antagonisme Khamir Asal Daun Jati (*Tectona grandis*) terhadap Kapang Pengkontaminan pada Pakan Ternak Ayam. *Bioma*, 12(2), 118. https://doi.org/10.21009/bioma12(2).7

Sukmawati, D., Wahyudi, P., Rahayu, S., Moersilah, M., Handayani, T., Rustam, K. Y., & Puspitasari, S. I. (2018). Skrining Kapang *Aspergillus* spp. Penghasil Aflatoksin Pada Jagung Pipilan di Daerah Bekasi, Jawa Barat. *Al-Kauniyah: Jurnal Biologi*, *11*(2), 151–162.

Sukmawati, D., Supiyani, A., Qonita, R. K., Salsabila, C., Herlambang, R. N., Ariska, R., Sentosa, A. B., Saszieta, D., Nursari, P. I., Priskaningrum, A. M., Ichsanty, F., Annisyah, S., Enshasy, H. A. E., Dailin, D. J., Skyler., Heng, L. H., Setiarto, R., Sulistiani., Yusuf, D., Anshory, L., & Fathoni, A. (2023). Antagonist Test of Endophyte Fungi Isolated from Leaves of Mangrove (*Rhizophora* sp.) as Antifungi Against Sanca Snakes (*Malayopython* sp.) Disease. *Current Applied Science and Technology*, 24(2). https://doi.org/10.55003/cast.2023.258187.

Suprianto, S., Feliatra, F., & Nugroho, T.T. (2017). Isolasi dan Identifikasi Bakteri Probiotik dari Usus Udang Windu (*Panaeus monodon*) berdasarkan Sekuen Gen 16S Rdna. *Jurnal Biogenesis*, 5, 83-92. https://doi.org/10.24252/bio.v5i2.3943

Surja, S. S., Sally, G. V., Hartoyo, F. S. R., Kurniawan, S. V., & Budiman, Y. (2020). Preservation in Paraffin Oil: Alternative for Fungi Preservation in Simple Laboratory Concept. *Althea Medical Journal*, 117–121. https://doi.org/10.15850/amj.v7n3.1975

Syahrial. (2019). Studi Komparatif Morfologi Mangrove *Rhizophora apiculata* pada Kawasan Industri Perminyakan dan Kawasan Non Industri Provinsi Riau. *Maspari Journal*, *11*(1), 31–40.

Syamsul., E. S., Amanda., N. A., & Lestari., D. (2020). Perbandingan Ekstrak Lamur Aquilaria malaccensis dengan Metode Maserasi dan Refluks. *Jurnal Riset Kefarmasian Indonesia*, 2(2).

Syukur, A., Aidawawati, N., & Rosa, H. O. (2022). Kemampuan *Pseudomonas* Kelompok *fluorescens* dan *Bacillus* sp. Menghambat Perkembangan *Fusarium* spp. Penyebab Penyakit Layu Tanaman Terung. *Proteksi Tanaman Tropika*, 5(1).

Tahir, M., Pratama, A. M., & Baits, M. (2022). Determination of Total Phenolic Levels of Ethyl Acetate Fraction of Clove Leaves (*Syzygium aromaticum* L Merr). *Pharmecutical Reports*, 1(2): 1-5.

Terkar, A., & Borde, M. (2021). Endophytic Fungi: Novel Source of Bioactive Fungal Metabolites. *New and Future Developments in Microbial*

Biotechnology and Bioengineering, 95–105. https://doi.org/10.1016/b978-0-12-821005-5.00006-5

Thompson, N. E., Lankau, E. W., & Rogall, G. M. (2018). Snake Fungal Disease in North America: U.S. Geological Survey updates. *USGS Fact Sheet*, *January*, 1–3. https://www.usgs.gov/warc

Todosiichuk, T. S. (2022). Biotechnological Aspects of the Development of a Liquid Formulation of Multifunctional Enzybiotic Antiseptic. *Biotechnologia Acta*, *15*(1), 72–80. https://doi.org/10.15407/biotech15.01.072

Tong, L. L., Wang, Y., Du, Y. H., Yuan, L., Liu, M. Z., Mu, X. Y., Chen, Z. L., Zhang, Y. D., He, S. J., Li, X. J., & Guo, D. S. (2022). Transcriptomic Analysis of Morphology Regulatory Mechanisms of Microparticles to Paraisaria dubia in Submerged Fermentation. *Applied Biochemistry and Biotechnology*, *194*(10), 4333–4347. https://doi.org/10.1007/s12010-022-03820-z

Triastuti, A. (2020). Fungal Endophytes As The Source Of Medicinal Natural Product. *Jurnal Ilmiah Farmasi*, 16(1), 52-73.

Ulfah, M., Irawan, A., & Ningsih, L. (2024). Antifungal Activity of the Ethyle Acetate Fraction of Red Frangipani Flowers (*Plumeria rubra*) Against *Candida albicans* and *Tricophyton rubrum*. *Journal of Current Pharmaceutical Sciences*, 4(2).

Utami, M. D., Linda, A., Violita, Moralita, C. 2022. Efektivitas Ekstrak Daun Mengkudu (Morinda citrifolia L.) Sebagai Antifungi Terhadap Pertumbuhan Sclerotium rolfsii Secara In Vitro. Serambi Biologi, 7 (2),199-204.

Verma, A., Gupta, P., Rai, N., Tiwari, R. K., Kumar, A., Salvi, P., Kamble, S. C., Singh, S. K., & Gautam, V. (2022). Assessment of Biological Activities of Fungal Endophytes Derived Bioactive Compounds Isolated from Amoora rohituka. *Journal of Fungi*, *8*(3). https://doi.org/10.3390/jof8030285

Vicente, M. C., Guzman, F. A., Engels, J., & Rao, V. R. (2005). Genetic Characterization and its use in Decision Making for the Conservation of Corp Germaplasm. *The Role Biotechnology*, 121-128.

Virgian, W. E. (2021). Perbedaan Efektivitas Cuci Tangan Menggunakan Gel, Spray *Hand Sanitizer* dan Sabun Antiseptik. [Karya Tulis Ilmiah]. Sekolah Tinggi Ilmu Kesehatan Nasional: Surakarta.

Waliha, L., Pamekas, T., & Zahara, N. (2022). Aplikasi Ekstrak Kulit Lidah Buaya (*Aloe vera* L.) untuk Mengendalikan Cendawan Terbawa Benih Padi. *National Conference Proceedings of Agricultures*. https://doi.org/10.25047/agropross.2022.308

Walker, G. M., & White, N. A. (2018). Introduction to Fungal Physiology. *Fungi: Biology and Applications*, 1-34

Wang, K., Qin, Z., Wu, S., Zhao, P., Zhen, C., & Gao, H. (2021). Antifungal Mechanism of Volatil Organic Compounds Produced by *Bacillus subtilis* CF-3 on *Colletrotrichum gloeosporioides* Assessed Using Omics Technology. *J. of Agricultural and Food Chemistry*, 69(17), 5267-5278. https://doi.org/10.1021/acs.jafc.1c00640

Widiantini, F., Yulia, E., & Kurniawan, A. (2020). Penghambatan Pertumbuhan *Rhizoctonia oryzar* dan *Cercospora oryzae* oleh Senyawa Volatil yang Dihasilkan Bakteri Endofit Padi. *Jurnal Agrikultura*, 31(1), 61-67

Winda, N. (2019). Evaporator Design pada Pabrik Sorbitol Menggunakan Bahan Baku Dekstrosa dengan Proses Hidrogen Katalitik. [Skripsi]. Universitas Negeri Semarang: Semarang.

Wulandari, F. (2014). Uji Toksisitas Akut Ekstrak Metanol Daun Mahkota Dewa (Phaleria mavrocarpa [Scheff.] Boerl.) terhadap Larva *Artemia salina* Leach dengan Metode *Brine Shrimp Lethality Test* (BSLT). [Skripsi]. UIN Syarif Hidayatullah: Jakarta.

Wulandari, G. A., Yamlean, P. V. Y., & Abdullah, S. S. (2023). Pengaruh Glsering terhadap Stabilitas Fisik Gel Ekstrak Etanol Sari Buah Tomat (*Solanum lycopersicum* L.). *Jurnal Kesehatan Tambusai*, 4(3). https://doi.org/10.31004/jkt.v4i3.1660

Yan, L., Zhu, J., Zhao, X., & Shi, J. (2019). *Beneficial effects of endophytic fungi colonization on plants*. 3327–3340.

Yanti, N. A., Jamili., Anwaruddin, S. (2020). Antibacterial Activity of Fungi Endophytic Isolated from Leaves the Mangrove *Acanthus ilicifolius* L. *Joural of Physics*: Conference Series, IOP Publishing.

Yi, X., & Alper, H. S. (2022). Considering Strain Variation and Non-Type Strains for Yeast Metabolic Engineering Applictions. *Life*, 12(4), 510. https://doi.org/10.3390/life/12040510

Yoshida, Y. (1988). Cytochrome P450 of Fungi: Primary Target for Azole Antifungal Agents. *Current Topics in Medical Mycology*, 2, 388-418. https://doi.org.10.1007/978-1-4612-3730-3_11

Yu, X., Zhao, M., Liu, F., & Zeng, S. (2013). Identification of 2,3-dihydro-3,5-dihydroxy-6-methyl-4H-pyran-4-one as a Strong Antioxidant in Glucose-histidine Maillard Reaction Products. *Food Research International*, 51(1), 397-403. https://doi.org/10.1016/j.foodres.2012.12.044

Yuan, J., Wu., Y., Zhao, M., Wen, T., Huang, Q., & Shen, Q. (2018). Effect of Phenolic Acids from Banana Root Exudates on Root Colonization and Pathogen Suppressive Properties of Bacillus amyloliquefaciens NJN-6. *Biol. Control*, 125, 131-137.

Yusuf, Z. K. (2010). Polymerase Chain Reaction (PCR). *Jurnal Saintek*, 5(6)

Zafarani, W. (2020). Formulasi dan Uji Aktivitas Antibakteri Spray Hands Sanitizer dari Ekstrak Daun Jambu Biji (*Psidium guajava* L.) terhadap Bakteri *Staphylococcus aureus*. [Skripsi]. Program Studi Farmasi, Universitas Perintis Indonesia.

Zarrin, M., Ganj, F., & Faramarzi, S. (2016). Development of Polymerase Chain Reaction-Restriction Fragment Length Polymorphism Method for Identification of the *Fusarium* Genus Using the Transcription Elongation Factor-1α Gene. *Biomedical Reports*, 5, 705-708.

Zhang, J. L., Yao, J., Zhuge, J. N., & Zhang, Y. J. (2019). Antibacterial Activity of Erythritol on Periodontal Pathogen. *Journal of Stomatology*, 28(4), 362-367.

Zhang, H., Du, H., & Xu, Y. (2021). Volatile Organic Compund-Mediated Antifungal Activity *Pichia* spp. and Its Effect on the Metabolic Profiles of Fermentation Communities. *Applied and Environmental Microbiology*, 87(9). https://doi.org/10.1128/AEM.02992-20

Zhang, J., Zhu, Y., Si, J., & Wu, L. (2022). Metabolites of Medicine Food Homology-Derived Endophytic Fungi and Their Activities. *Current Research in Food Science*, *5*(July), 1882–1896. https://doi.org/10.1016/j.crfs.2022.10.006

Zheng, J., Wang, L., Hou, W., & Han, Y. (2022). *Fusarium oxysporum* Associated with *Fusarium* Wilt on *Pennisetum sinese* in China. *Pathogens*, 11(999), 1-8.