DAFTAR PUSTAKA

A. A., Lateef, Sepiah M., and Bolhassan M. H. (2018). "Molecular Identification and Diversity of Pestalotiopsis, Neopestalotiopsis and Pseudopestalotiopsis Species from Four Host Plants in Sarawak, Borneo Island (Malaysia)." *Journal of Science and Technology* 10(1). doi: 10.30880/jst.2018.10.01.006.

Adhikari, P., Singh, M., & Pandey, A. (2023). Production of Taxol by Endophytic Fungi Isolated from Roots of Himalayan Yew (Taxus wallichiana Zucc.). *Journal of Graphic Era University*. https://doi.org/10.13052/jgeu0975-1416.1028

Aini, Silmi Qurrotu. (2018). *Deteksi Gen Baccatin Iii 3-Amino 3-Phenylpropanoid Sebagai Penghasil Taxol Dari Kapang Endofit Kulit Batang Sumatranan Yew (Taxus sumatrana)*. Tesis. Bandung : Program Pascasarjana Universitas Pendidikan Indonesia

Basu, S., Bose, C., Ojha, N., Das, N., Das, J., Pal, M., & Khurana, S. (2015). Evolution of bacterial and fungal growth media. In *Bioinformation* (Vol. 11, Issue 4). www.bioinformation.net

Balai Penelitian Teknologi Serat Tanaman Hutan *International Tropical Timber Organization* (ITTO). (2015). Prosiding Workshop Improving appre Prosiding Workshop ciation and awareness on conservation of high value indigenous wood species of Sumatra. www.litbang.kemenlhk.go.id/kuok.riau

Burmeister, A. R. (2015). Horizontal Gene Transfer. *Evolution, Medicine and Public Health*, *2015*(1), 193–194. https://doi.org/10.1093/emph/eov018

Darapanit, A., Boonyuen, N., Leesutthiphonchai, W., Nuankaew, S., & Piasai, O. (2021). Identification, pathogenicity and effects of plant extracts on Neopestalotiopsis and Pseudopestalotiopsis causing fruit diseases. *Scientific Reports*, *11*(1). https://doi.org/10.1038/s41598-021-02113-5

De Rocchis, V., Roitsch, T., Franken, P., (2022). Extracellular Glycolytic Activities in Root Endophytic Serendipitaceae and Their Regulation by Plant Sugars. Microorganisms 10. https://doi.org/10.3390/microorganisms10020320

dos Reis, J. B. A., Lorenzi, A. S., & do Vale, H. M. M. (2022). Methods used for the study of endophytic fungi: a review on methodologies and challenges, and associated tips. In *Archives of Microbiology* (Vol. 204, Issue 11). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/s00203-022-03283-0

El-Sayed, A. S. A., El Sayed, M. T., Rady, A., Zein, N., Enan, G., Shindia, A., El-Hefnawy, S., Sitohy, M., & Sitohy, B. (2020). Exploiting the biosynthetic potency of taxol from fungal endophytes of conifers plants; genome mining and metabolic manipulation. In Molecules (Vol. 25, Issue 13). MDPI AG. https://doi.org/10.3390/molecules25133000

Ezeonuegbu, B. A., Abdullahi, M. D., Whong, C. M. Z., Sohunago, J. W., Kassem, H. S., Yaro, C. A., Hetta, H. F., Mostafa-Hedeab, G., Zouganelis, G. D., & Batiha, G. E. S. (2022). Characterization and phylogeny of fungi isolated from industrial wastewater using multiple genes. *Scientific Reports*, *12*(1). https://doi.org/10.1038/s41598-022-05820-9

Febbiyanti, T. R., Tistama, R., & Sarsono, Y. (2021). Karakterisasi Isolat Pestalotiopsis Pada Karet (Hevea Brasiliensis) Menggunakan Karakter Morfologi Dan Molekuler. *Jurnal Penelitian Karet*, 151–162. https://doi.org/10.22302/ppk.jpk.v39i2.798

Fisher PJ, Petrini O, Petrini LE, Sutton BC (1994) Fungal endophytes from the leaves and twigs of Quercus ilex L. from England,Majorca and Switzerland. New Phytol 127(1):133–137

Garyali, S., Kumar, A., Reddy, M.S., 2014. Enhancement of taxol production from endophytic fungus Fusarium redolens. Biotechnology and Bioprocess Engineering

19, 908–915. https://doi.org/10.1007/s12257-014-0160-z

Golbeck J, Fragoso G, Hartel F, Hendler J, Oberthaler J, Parsia B. 2011. The national Cancer institute's thesaurus and ontology. Web semantic: Science, Services and Agents on the World Wide Web.

Hayati, K., Erianti, P., Hilda Putri, D., Anhar, A., 2023. Isolation of Endophyte Fungus from Taxus sumatrana Leaves and Their Potential as the Antimicrobial Producer. Konservasi Hayati 19. https://doi.org/10.33369/hayati.v19i1.26352

Hendalastuti, H. R., Subiakto, A., Siregar, I. Z., Supriyanto. 2010. Uji Pertumbuhan Stek Cemara Sumatra *Taxus sumatrana* (Miquel) de Laub. Jurnal Penelitian Hutan dan Konservasi Alam. Vol. VII No.3 : 289-298, 2010 (Issue 0251).

Herliyana, E. N., Oktavianto, P., & Siregar, U. J. (2022). Identification and characterization of Pestalotiopsis spp. causing leaf spot and leaf blight on jabon (Neolamarckia spp.) in Indonesia. *Biodiversitas*, *23*(12), 6547–6556. https://doi.org/10.13057/biodiv/d231253

Hidayat, A., Hendalastuti, H., & Subiakto, R. A. (2014). Mutiara Terpendam dari Zamrud Sumatra . Forda Press.

Jang, J.C.; Sheen, J. Sugar Sensing in Higher Plants. Trends Plant Sci. 1997, 15, 773–785.

Kitagawa, I., T. Mahmud, M. Kobayashi, Roemanto and H, Shibuya. (1995). Taxol and its related taxoid from theneedles of Taxus sumatrana. Chem. Pham. Bull., 43:365–367 . https://doi.org/10.1248/cpb.43.365

Kumar Panda, S. (2013). Endophytic fungi with great promises: A Review. In *Article in Journal Of Advanced Pharmacy Education And Research*. https://www.researchgate.net/publication/336891760

Kumar, P., Singh, B., Thakur, V., Thakur, A., Thakur, N., Pandey, D., & Chand, D. (2019). Hyper-production of taxol from Aspergillus fumigatus, an endophytic fungus isolated from Taxus sp. of the Northern Himalayan region. *Biotechnology Reports, 24*. https://doi.org/10.1016/j.btre.2019.e00395

Kundu, S., Jha, S., & Ghosh, B. (2016). Metabolic Engineering for Improving Production of Taxol (pp. 1–22). https://doi.org/10.1007/978-3-319-27490-4_29-1

Li H.Y, Li D.W, He C.M, Zhou Z.P, Mei T, Xu H.M (2012) Diversity and heavy metal tolerance of endophytic fungi from six dominant plant species in a Pb–Zn mine wasteland in China. Fungal Ecol 5(3):309–315

Maharachchikumbura, S. S. N., Guo, L. D., Chukeatirote, E., Bahkali, A. H., & Hyde, K. D. (2011). Pestalotiopsis-morphology, phylogeny, biochemistry and diversity. *Fungal Diversity*, *50*, 167–187. https://doi.org/10.1007/s13225-011-0125-x

Mukhtar, Hamid., Tahir, Syed Fahad dan Gohar, Umar Farooq. (2019). Isolation and Screening of Taxol Producing Endophytic Fungi. *International Journal of Biology Biotech*. doi: 16 (3): 661-666/2019

Olicón-Hernández, D. R., Guerra-Sánchez, G., Porta, C. J., Santoyo-Tepole, F., Hernández-Cortez, C., Tapia-García, E. Y., & Chávez-Camarillo, G. M. (2022). Fundaments and Concepts on Screening of Microorganisms for Biotechnological Applications. Mini Review. In *Current Microbiology* (Vol. 79, Issue 12). Springer. https://doi.org/10.1007/s00284-022-03082-2

Parikesit, Arli., Nurdiyansyah, Rizky dan David Agustriawan. (2019). Penerapan Pendekatan Machine Learning Pada Pengembangan Basis Data Herbal Sebagai Sumber Informasi Kandidat Obat Kanker. *Jurnal Teknologi Industri Pertanian*, 175–182. https://doi.org/10.24961/j.tek.ind.pert.2019.29.2.175

Pinkerton, F., & Strobel, G. (1976). Serinol as an activator of toxin production in attenuated cultures of Helminthosporium sacchari

(helminthosporoside/attenuation/plant disease resistance) (Vol. 73, Issue 11).

Putri, D. E., Almahdy, A., Hamidi, D., & Wahyuni, F. S. (2023). The Journal of Food and Medicinal Plants The Potential of Taxus sumatrana as a Candidate for Cancer Therapy. *The Journal Of Food And Medicinal Plants*, *4*(1), 1–7. https://doi.org/10.25077/jfmp.4.1.1-7.2023

Sah, B., Subban, K., & Chelliah, J. (2017). Cloning and sequence analysis of 10-deacetylbaccatin III-10-O-acetyl transferase gene and WRKY1 transcription factor from taxol-producing endophytic fungus Lasiodiplodia theobromea. In *FEMS Microbiology Letters* (Vol. 364, Issue 24). Oxford University Press. https://doi.org/10.1093/femsle/fnx253

Słupianek, A., Dolzblasz, A., & Sokołowska, K. (2021). Xylem parenchyma—role and relevance in wood functioning in trees. In *Plants* (Vol. 10, Issue 6). MDPI AG. https://doi.org/10.3390/plants10061247

Soliman, S. S. M., Greenwood, J. S., Bombarely, A., Mueller, L. A., Tsao, R., Mosser, D. D., & Raizada, M. N. (2015). An endophyte constructs fungicide-containing extracellular barriers for its host plant. *Current Biology*, *25*(19), 2570–2576. https://doi.org/10.1016/j.cub.2015.08.027

Strobel,Gary A., Jia yao, Li dan Art , Bollon. (1998). Stimulation of taxol production in liquid cultures of Pestalotiopsis microspore. *Mycology Journal*.102(4) *:* 461- 464

Strobel, G., Yang, X., Sears, J., Kramer, R., Sidhu4, R. S., & Hess5, W. M. (1996.). *Taxol from Pestalotiopsis microspora, an endophytic fungus of Taxus wallachiana* (Vol. 142).

Spjut, R.W. 2003. Nomenclatural and taxonomic review ofthree species and two varieties of Taxus (Taxaceae)in Asia. www.worldbotanical.com (accepted for J.Bot Res. Inst. Texas in 2006).

Spjut, R.W. 2007. A phytogeographical analysis of Taxus(Taxaceae) based on leaf anatomical characters. J.Bot. Res. Inst. Texas, 1: 291–332.

Subban, K., Subramani, R., Madambakkam Srinivasan, V. P., Johnpaul, M., & Chelliah, J. (2019). Salicylic acid as an effective elicitor for improved taxol production in endophytic fungus Pestalotiopsis microspora. *PLoS ONE*, *14*(2). https://doi.org/10.1371/journal.pone.0212736

Subban, K., & Kempken, F. (2023). Insights into Taxol® biosynthesis by endophytic fungi. In *Applied Microbiology and Biotechnology* (Vol. 107, Issue 20, pp. 6151–6162). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/s00253-023-12713-y

Sukiman., H. (2010). Endophytes of Taxus sumatrana (Miquel) de Laubenfels and Its Potential on Producing Bioactive Compound as Antioxidant Agent. Pusat Penelitian Bioteknologi-LIPI Jin Raya Jakarta-Bogor Km In *Berita Biologi* (Vol. 10, Issue 3)

Wang, C., Wu, J., & Mei, X. (2001). Enhancement of Taxol production and excretion in Taxus chinensis cell culture by fungal elicitation and medium renewal. *Applied Microbiology and Biotechnology*, *55*(4), 404–410. https://doi.org/10.1007/s002530000567

Wang, X., Xia, K., Yang, X., & Tang, C. (2019). Growth strategy of microbes on mixed carbon sources. *Nature Communications*, *10*(1). https://doi.org/10.1038/s41467-019-09261-3

Wang, T., Li, L., Zhuang, W., Zhang, F., Shu, X., Wang, N., & Wang, Z. (2021). Recent research progress in taxol biosynthetic pathway and acylation reactions mediated by taxus acyltransferases. In *Molecules* (Vol. 26, Issue 10). MDPI AG.

https://doi.org/10.3390/molecules26102855

Wu, C., Wang, Y., & Yang, Y. (2022). Pestalotiopsis Diversity: Species, Dispositions, Secondary Metabolites, and Bioactivities. In *Molecules* (Vol. 27, Issue 22). MDPI. https://doi.org/10.3390/molecules27228088

Xiong, Z. Q., Yang, Y. Y., Zhao, N., & Wang, Y. (2013). Diversity of endophytic fungi and screening of fungal paclitaxel producer from Anglojap yew, Taxus x media. *BMC Microbiology*, *13*(1). https://doi.org/10.1186/1471-2180-13-71

Xu, F., Tao, W., Cheng, L., & Guo, L. (2006). Strain improvement and optimization of the media of taxol-producing fungus Fusarium maire. *Biochemical Engineering Journal*, *31*(1), 67–73. https://doi.org/10.1016/j.bej.2006.05.024

Yuan, J., Jian-Nan, B., Bing, Y., & Xu-Dong, Z. (2006). Cite this article as. In *Chinese Journal Of Biotechnology* (Vol. 22, Issue 1).

Zheng, Y.K., Qiao, X.G., Miao, C.P., Liu, K., Chen, Y.W., Xu, L.H., Zhao, L.X., 2016. Diversity, distribution and biotechnological potential of endophytic fungi. Ann Microbiol. https://doi.org/10.1007/s13213-015-1153-7

Zhou, X., Zhu, H., Liu, L., Lin, J., & Tang, K. (2010). A review: Recent advances and future prospects of taxol-producing endophytic fungi. In *Applied Microbiology and Biotechnology* (Vol. 86, Issue 6, pp. 1707–1717). https://doi.org/10.1007/s00253-010-2546-y