

DAFTAR PUSTAKA

- Akmalasari, I., Purwati, E. S., dan Dewi, R. S. 2013. Isolasi dan identifikasi jamur endofit tanaman manggis (*Garcinia mangostana* L.). Publikasi Online Fakultas Biologi Universitas Jendral Soedirman. Hal. 82-89.
- Alam, B., Li, J., Ge, Q., Khan, M., A, Gong, J., Mehmood, S., Yuan, Y., and Gong W. 2021. Endophytic fungi: from symbiosis to secondary metabolite communications or vice versa. *Front. Plant Sci.* 21.
- Al-Kahtani, M., D., Fouada, A., Attia, K., A., Otaibi, F., A., L, Eid, A., M., Ewais, E., E., D., Hijri, M., St-Arnaud, M., Hassan, S., E., D., and Khan, N. 2020. Isolation and characterization of plant growth promoting endophytic bacteria from desert plants and their application as bioinoculants for sustainable agriculture. *Agronomy*, 10(9):1325.
- Anderson, I. C., and Cairney, J. W. G. 2004. Diversity and ecology of soil fungal communities: Increased understanding through the application of molecular techniques. *Environmental Microbiology*, 6(8):769-779.
- Annisa, Rizal, Y., Mirnawati, Suliansyah, I., dan Bakhtiar, A. 2020. Pengaruh penggunaan campuran daun ubi kayu dan ampas tahu yang difermentasi dengan *Rhizopus oligosporus* sebagai pengganti sebagian ransum komersil terhadap kualitas karkas broiler. *Jurnal Peternakan Indonesia*. Hal. 199-210.
- Aregheore, E. M., and Agunbiaded, O. O. 1991. The toxic effects of cassava (*Mannihot esculenta* crantz) diets on humans: a review. *Vet. Human Toxicology*, 33: 274-275.
- Ayele, H., H., Latif, S., Bruins, M., E., and Muller, J. 2021. Partitioning of proteins and anti-nutrients in cassava (*Manihot esculenta* Crantz) leaf processing fractions after mechanical extraction and ultrafiltration. *Foods*, 10(8): 1714.
- Badan Pusat Statistik. 2021. Tabel Statistik Luas Panen, Produksi, dan Produktivitas Ubi Kayu 2021-2022. Badan Pusat Statistik Provinsi Sumatera Barat. Padang.
- Bandara, W. M., Seneviratne, G., and Kulasekera, S. A. 2006. Interactions among endophytic bacteria and fungi: effects and potentials. *J. Biosci.* 31(5), 645–650.
- Barnett, H. L. and Hunter, B. 1972. *Illustrated Genera Of Impact Fungi*. Third Edition. Minnesota: Burgess Publishing Company.
- Bhadra, F., Gupta, A., Vasundhara, M., dan Reddy, M.,S. 2022. Jamur endofit: sumber potensial penghasil enzim industri. *3 Bioteknologi*, 12(4): 86.

- Bhatia, Y., Mishra. S. and Bisaria, V.S. 2002. Microbial β -glucosidases: cloning, properties, and applications. Crit Rev Biotechnol, 22:375–407.
- Bokanga, M. 1994. Distribution of cyanogenic potential in cassava germlasm. Acta Hortic 375, 117–123.
- Cariso, L., Shim S.,H. 2020. Endophytic fungi inhabiting medicinal plants and their bioactive secondary metabolites. Korean Soc. Pharmacog. 26: 10–27.
- De Bary, A. 1866. Morphologie And Physiologie Der Plize, Flechten, Und Myxomyceten. Leipzig: Wilhelm Engelmann.
- Deepthi, D. V., Nair, R. A., and Sajith, S. 2018. Limitations of morphological identification in endophytic fungi: challenges and alternatives. Journal of Fungal Biology, 12(4), 112-125.
- Domsch, K. H., and Gams, W. 1980. Cimpendium Of Soil Fungi Vol.1. London: Academic Press.
- Duan, Y., Wang, W., Qin, S., Xu, X., Li, B., O., Chen, M., and Zheng, C. 2023. Study on the performance of *Anerinibacillus sp.* in degrading cyanide wastewater and its metabolic mechanism, Chemosphere; 345: 140354.
- Elfita, Oktiansyah, R., Mardiyanto, Widjajanti, H., and Setiawan, A. 2022. Antibacterial and antioxidant activity of endophytic fungi isolated from *Peronema canescens* leaves. Biodiversitas; 23(9): 4783-4792.
- Elias, M., Nambudiri, A. M. D., and Vaidyanathan, C. S. 1997. Simultaneous production of cellulase and cyanidase by endophytic fungi from cassava. Journal of Industrial Microbiology and Biotechnology, 18(4), 269-272.
- Fasae, O. A., Akintola, O. S., Sorunke, O. S., and Adu, I. F. 2006. Replacement value of agricultura troica et subtropica 42. Bogor: Institut Pertanian Bogor.
- Fasae, O., A. and Yusuf, A., O. 2022. Cassava leaves and peels: nutritional value and potential productivity in West African dwarf breeds of sheep and goats—a review. Niger J Anim Prod, 49:301–311.
- Fitriani, L., Yurnaliza, Y., and Agustiani, D. 2018. Identifikasi kapang endofit dari daun sirih merah (*Piper crocatum*) menggunakan analisis sekuen gen ITS rDNA. Jurnal Biologi Universitas Andalas, 7(2), 123-130.
- Fomunyam, R. T., Adegbola, A. A., and Oke, O. L. 1984. Hydrolysis of linamarin by intestinal bacteria. Canadian Journal Of Microbiology, 1530-3330.
- Gardjito, M., Djuwardi, A., dan Harmayani, E. 2013. Pangan Nusantara: Karakteristik Dan Prospek Untuk Percepatan Diversifikasi Pangan. Jakarta: Kencana.

Gavande, P., V. and Goyal, A. 2023. Glycoside hydrolases: biochemistry, biophysics, and biotechnology. Chapter 3 - Endo- β -1,4-glucanase. Foundations and Frontiers in Enzymology. Pages 55-76.

Gennari, A., Simon, R., de Andrade, B., C., Timmers, L., F., S., M., Martins, V., L., M, Renard, G., Chies, J., M., Volpato, G., and De Souza, C., F., V. 2021. Production of beta-galactosidase fused to a cellulose-binding domain for application in sustainable industrial processes. Bioresource Technology; 326: 124747.

Giovanni, S. J., and Ward, D. M. 1990. 18S ribosomal RNA analysis of microorganisms in natural environments. Journal of Microbiological Methods, 12(1), 1-10.

Gunun, P., Cherdthong, A., Khejornsart, P., Wanapat, M., Polyorach, S., Kaewwongsa, W., and Ni Gunun. 2023. Replacing concentrate with yeast- or EM-fermented cassava peel (YFCP or EMFCP): effects on the Feed intake, feed digestibility, rumen fermentation, and growth performance of goats. Animals (Basel); 13(4): 551.

Handayani, D., Sulistiyan, T.R., and Triyana, K. 2014. Cyanide degradation by *Pseudomonas pseudoalcaligenes* isolated from gold mining wastewater. Journal of Environmental Sciences, 26(5), 1125-1132.

Hang, D. T., and Preston, T. R. 2005. Cyanide content in cassava (*Manihot esculenta* Crantz) leaves and its reduction by processing for use as animal feed. Livestock Research for Rural Development, 17: 10.

Haque, M. R., and Bradbury, J. H. 2002. Preparation of Linamarin fro cassava leaves for use in a cassava cyanide kit. Food chem, 85: 27-29.

Hartanti, A.T., Rahayu, S. and Setiawan, A. 2021. Antimicrobial activity of endophytic fungi isolated from cassava (*Manihot esculenta* Crantz) tubers. Journal of Microbiology and Biotechnology Research, 11(3), pp. 45-53.

Hawar, S., N. 2022. Extracellular enzyme of endophytic fungi isolated from *Ziziphus spina* leaves as medicinal plant. Int J Biomater; 2135927.

Hernaman, I. A., Budiman, S., Nurachmana, dan Hidayat, K. 2014. Kajian invitro penggunaan imbah perkebunan singkong sebagai pakan domba. Bandung. Pastura, 321(4): 31-33.

Hidayah, N., and Fikroh, R. 2021. Screening and morphological observations of endophytic mold origin of pennywort (*Centella asiatica* (L.) Urban) as extracellular enzyme producer. Journal of Microbiology and Biotechnology, 7(1), 1-8.

- Hu, Y., Lu, G., Lin, D., Luo, H., Hatungimana, M., Liu, B., and Lin, Z. 2024. Endophytic fungi in rice plants and their prospective uses. *Microbiol Res*; 15(2): 972-993.
- Imaningsih, W., Ekowati, N., Salamiah, Ratnaningtyas, N.I, dan Soesanto, L. 2023. Isolasi cendawan endofit dari cabai *Hiyung* varietas lokal Kalimantan Selatan (Indonesia) yang bersifat vitrotoleran terhadap lingkungan asam. *Biodeversitas*, 24(7): 3844-3852.
- Irzam, A., Sudirman, L. I., and Suwanto, A. 2014. Isolation and characterization of endophytic fungi from cassava (*Manihot esculenta* Crantz) leaves as cellulase producers. *Microbiology Indonesia*, 8(2), 67-74.
- Istikorini, Y. and Sari, O.Y. 2022. Identification of endophytic fungi of balangeran (*Shorea balangeran* Korth.) by morphological characterization. *Jurnal Sylva Lestari* 10(2): 211-222.
- Iwagwu, O. (2012). The spread of cassava (manioc) in Igboland, southeast Nigeria: a reappraisal of the evidence. *Agric Hist Rev.*, 60(1):60-76.
- JECFA. 1993. Cyanogenic glycosides. In: Toxicological evaluation of certain food additives and naturally occurring toxicants. Geneva, WHO, 39th meeting of the Joint FAO/WHO Expert Committee on Food Additives (Food Additive Series 30), 234–237.
- Jiang, Z., Long, L., Liang, M., Li, H., Chen, Y., Zheng, M., Ni, H., L., I., Q. and Zhu, Y. 2021. Characterization of a glucose-stimulated β -glucosidase from *Microbulbifer sp.* ALW1. *Microbiological Research*; 251: 126840.
- Jurković, D., Vrandečić, K., Ćosić J., Riccioni L., and Duvnjak, T. 2007. Morphological identification of *Diatphore sp.* or *Phomopsis sp.* isolated from *Xanthium italicum*. Original scientific paper. Izvorni znanstveni članak. ISSN 1330-7142.
- Khairiah, K. and Nintasari, L. 2017. Endophytic molds in feed technology: Probiotic potential, enzyme production, and antibacterial metabolites for livestock health. *Journal of Animal Science and Biotechnology*, 8(3), pp. 45-60.
- Klunklin, W., Jantanasakulwong, K., Phimosiripol, Y., Leksawasdi, N., Seesuriyachan, P., Chaiyas, T., Insomphun, C., Phongthai, S., Jantrawut, P., Sommano, S., R., Punyodom, W., Reungsang, A., Ngo, T., M., P. and Rachtanapun, P. 2021. Synthesis, characterization, and application of carboxymethyl cellulose from *Asparagus*. *Stalk End. Polymers (Basel)*; 13(1): 81.
- Kuhad, R. C., Gupta, R., and Singh, A. 2011. Microbial cellulases and their industrial applications. *Enzyme Research*, 1-10.

- Kurniani, M. 2009. Diversifikasi Pemanfaatan Ubi Kayu: Dari Pangan Hingga Pakan. Bogor: IPB Press.
- Li, M., Zhang, L., Zhang, Q., Zi, X., Lv, R., Tang, J. and Zhou H. 2020. Impacts of citric acid and malic acid on fermentation quality and bacterial community of cassava foliage silage. *Front Microbiol*; 11:595622.
- Liu, X., Zhou, Z., Y., Cui, J., L., Wang, M., L. and Wang, J., H. 2021. Biotransformation ability of endophytic fungi: from species evolution to industrial applications. *Appl Microbiol Biotechnol*; 105(19):7095-7113.
- Long, M., Zhang, L., Li, H., Chen, Y., and Zhou, H. 2024. Novel consortium of *Bacillus velezensis* and *B. amyloliquefaciens* for lignocellulose degradation. *Applied Microbiology and Biotechnology*, 108(1), 1-15.
- Mahadevakumar, S., Amruthavalli, C., Sridhar, K. R., and Janardhana, G. R. 2017. Prevalence, incidence, and molecular characterization of *Phomopsis vexans* (*Diaporthe vexans*) causing leaf blight and fruit rot disease of brinjal in karnataka (India). *Plant Pathology and Quarantine* 7(1): 41-58.
- Malik, A. I., Kongsil, P., and Nguyẽn, V. A. 2020. Cassava breeding and agronomy in Asia: 50 years of history and future directions. *Breed Science*, 70(2):18180.
- Malmir, N., Zamani, M., Motallebi, M., Fard, N., A, and Mekuto, L. 2022. Cyanide biodegradation by *Trichoderma harzianum* and cyanide hydratase network analysis. *Molecules*; 27(10): 3336.
- Martins de Andrade, V., Bardaji, E., Heras, M., Ramu, V.G., Junqueira, J.C., Diane dos Santos, J., Castanho, M.A., Conceição, K. 2019. Modern applications of fungal enzymes in food and feed industries. *Fungal Biology*, 124(5), 387-397.
- McMahon, J. M., White, W. L. B., and Sayre, R. T. 1995. Cyanogenesis in cassava (*Manihot esculenta* Crantz). *Journal of Experimental Botany*, 46(7), 731-741.
- Montagnac, J. A., Davis, C. R., and Tanumihardjo, S. A. 2009. Processing techniques to reduce toxicity and antinutrients of cassava for use as a staple food. *Comprehensive Reviews In Food Science And Food Safety*, Vol. 8, p 17-27.
- Naher, L., Fatin, S.N., Sheikh, M.,A.,H., Azeez, L.,A., Siddique, S., Zain, N.M., dan Karim, S.,M.,R. 2021. Produksi enzim selulase dari jamur berserabut *Trichoderma reesei* dan *Aspergillus awamori* dalam fermentasi terendam dengan jerami padi. *J Fungi*, 7(10): 868.

- Najiyati, S. dan Danarti, D. 2002. Ubi kayu: Budidaya Dan Pascapanen. Jakarta: Penebar Swadaya.
- Narayan, Z. and Glick, B., R. 2022. Secondary metabolites produced by plant growth-promoting bacterial endophytes. Microorganisms; 10(10): 2008.
- Nyirenda, K., K. 2020. Toxicity Potential Of Cyanogenic Glycosides In Edible Plants. London: Toxicity in Food Intechopen.
- Nzwalo, H., and Cliff, J. 2011. Konzo: From poverty, cassava, and cyanogen intake to toxico-nutritional neurological disease. Toxicology Reports, 2, 310-316.
- Okoli, I. C., Ezekwe, A. G., and Udedibie, A. B. I. 2020. Agricultural residues: Abandoned wealth being recovered by tropical research. Research Tropica, 15(3), 45-58.
- Ouyang, B., Wang, G., Zhang, N., Zou, J., Huang, Y. and Zhao, X. 2023. Recent advances in β -glucosidase sequence and structure engineering: a brief review. Molecules; 28(13): 4990.
- Patra, A. and Prasath, V., A. 2024. Isolation of detoxified cassava (*Manihot esculenta* L.) leaf protein by alkaline extraction-isolectric precipitation: optimization and its characterization. Food Chemistry; 437(1): 137845.
- Petrini, O., and Fisher, P. J. 1986. Fungal endophytes in *Salicornia perennis*. Transactions of the British Mycological Society, 87(4), 647–651.
- Petrini, O., Sieber, T. N., Toti, L., and Viret, O. 2017. Ecology, metabolite production, and substrate utilization in endophytic fungi: Biotechnological applications. Applied Microbiology and Biotechnology, 101(4), 1253-1265.
- Potivichayanan, S. and Kitleartpornpairoat, R. 2010. Biodegradation of cyanide by novel cyani degrading bacterium. World Acad Sci Eng Technol, 42: 1362-1365.
- Rahardyan, D. and Moko, E., M. 2023. Isolation and molecular screening of fungus as agents in cellulolytic transformation materials from symbiotic lichen. Biosantika, 15(3): 412-422.
- Ramadan, F. 2017. Antioksidan Ekstrak Kapang Endofit *Phomopsis, Spp.* dari Tanaman Kina (*Cinchona calisaya* Wedd.). [Skripsi]. Jakarta. Fakultas Sains dan Teknologi Universitas Islam Negeri Syarif Hidayatullah. 41 hal.
- Ramirez, V., L, Godoy, M., A., M. and Herrera CXM. 2021. Characterization of bacterial diversity and assessing the cyanide biodegradation potential of bacterial isolates from gold processing plants. DYNA, 88(216): 136-144.

- Rao, H., C., Y., Sruthi, D., Kamalraj, S., Parthasarathy, R., Jayabaskaran, C. 2021. Chapter 15 - endophytic fungi as a potential source of cytotoxic drugs: a fungal solution to cancer. Volatiles and Metabolites of Microbes, p. 305-323.
- Restiani, R., Roslim, D. I., dan Herman. 2014. Karakter morfologi ubi kayu (*Manihot esculenta* Crantz) hijau dari Kabupaten Pelalawan. JOM FMIPA, Volume 1. No. 2.
- Rivera, A., A., Hoyos, S., G., Buitrón, G., Sarasvathi, P., T., Ortega, G., R. 2021. Perawatan biologis untuk degradasi sianida: sebuah tinjauan. Jurnal Riset dan Teknologi Material, 12: 1418-1433.
- Rukmana, R. 1997. Ubi kayu, Budidaya Dan Pasca Panen. Yogyakarta: Kanisius.
- Sabbathini, G.C., Sumantha, A., Szakacs, G., and Pandey, A., 2017. Isolasi dan identifikasi bakteri genus *sp* himongas dari daun padi (*Oryza sativa*) di area persawahan cibinong. Jurnal Akademika Biologi, 6(1): 59-64.
- Scheffer, G., Clavijo, C., B., Sen, A. and Gieg LM. 2021. Enzyme biotechnology development for treating polymers in hydraulic fracturing operations. *Microb Biotechnol*; 14(3): 953–966.
- Scheffer, G., Rachel, N., M., Ng, K., K., S., Sen, A. and Gieg, L., M. 2022. Preparation and identification of carboxymethyl cellulose-degrading enzyme candidates for oilfield applications. *Journal of Biotechnology*; 347: Pages 18-25.
- Schoch, C. L., Seifert, K. A., Huhndorf, S., Robert, V., Spouge, J. L., Levesque, C. A., and Chen, W. 2012. Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. *Proceedings of the National Academy of Sciences*, 109(16), 6241-6246.
- Shragg, T. A., Alberton, T. E., and Fisher Jr, C. J. 2004. Cyanide poisoning after bitter almond ingestion. *Western Journal of medicine*: 136 (1), : 65-69.
- Simeonova, F. P., and Fishbein, L. 2004. Hydrogen Cyanide And Cyanides:Human Health Aspects Concise. International Chemical Assessment Document 61. Geneva: World Health Organization.
- Singh, A., Bajar, S., Devi, A., and Pant, D. 2021. An overview on the recent developments in fungal cellulase production and their industrial applications. *Bioresource Technology Reports*; 14: 100652.
- Strobel, G., and Daisy , B. 2003. Bioprospecting for microbial endophytes and their natural product. *Microbiology and Molecular Biology Reviews*, 67 (4).

- Sudaryanto, B., Rangkuti, I. N., dan Prabowo, A. 1982. Penggunaan Tepung Daun Singkong Dalam Ransum Babi. Bogor: BPT Ciawi.
- Sulistyono, A.D., dan Mahyuni, L.P. 2019. Isolasi dan identifikasi fungi endofit dari ubi ungu (*Colocasia esculenta* (L.) Schoot). Jurnal Biologi, 23(1), 45-53.
- Suryani, L. 2020. Molecular characterization of endophytic fungi using ITS rDNA sequencing: Applications in microbial biotechnology. Indonesian Journal of Biotechnology, 25(2), 89-102.
- Taechowisan, T., Lu, C., Shen, Y., and Lumyong, S. 2005. Secondary metabolites from endophytic *Streptomyces aureofaciens* CMUAc130 and their antifungal activity. Microbiology, 151, 1691- 1695.
- Tamura, K., Peterson, D., Peterson, N., Stecher, G., Nei, M., and Kumar, S. 2011. MEGA5: Molecular evolutionary genetics analysis using maximum likelihood, evolutionary distance, and maximum parsimony methods. Molecular Biology and Evolution, 28(10), 2731-2739.
- Terefe, Z., K., Omwamba, M. and Nduko, J., M. 2022. Effect of microbial fermentation on nutritional and antinutritional contents of cassava leaf. Journal of Food Safety.; 42 (3): e12969.
- Triani, H. D., Marlida, Y., Yuniza, A., Husmaini, and Astuti, W. D. 2023. Isolation and Characterization of Cellulose and Cyanide Degrading Bacteria from Cassava Waste as Inoculants in Feed Fermentation. International Journal of Veterinary Science, 13(3): 384-390.
- Vandana, U., K., Rajkumari, J., Singha, L., P., Satish, L., Alavilli, H., Sudheer, P., D., V., N., Chauhan, S., Ratnala, R., Satturu, V., Mazumder, P., B. and Pandey, P. 2021. The endophytic microbiome as a hotspot of synergistic interactions, with prospects of plant growth promotion. Biology (Basel); 10(2): 101.
- Vasiliauskiene, D., Balčiūnas, G., Boris, R., Kairyte, A. and Urbonavicius, J. 2023. The impact of microorganisms on the performance of linseed oil and tung tree oil impregnated composites made of hemp shives and corn starch. Microorganisms; 11(2): 477.
- Vieta, S., Leyva, E., E., Avendano, R., Rechnitzer, N., Madrigal, M., D., B., Barboza, G., C., Sancho, O., A., H., Chaverri, P. and Chavarria, M. 2022. Biodeterioration and cellulolytic activity by fungi isolated from a nineteenth-century painting at the national theatre of costa rica. Fungal Biol. 126(2).
- Wahyu, R., Sriwati, R., Hakim, L., dan Agroekoteknologi. 2014. Ekspolarasi dan Potensi Cendawan Endofit Asal Tanaman Pala (*Myristica fragrans* Houtt.)

- Sebagai Agen Pengendali Penyakit Hayati Mati Ranting. Jurnal Agrista 23 (3), 159 - 168.
- Wahyu, N. H., Rakhmawati, A., dan Prihatini, I. 2016. Isolasi dan identifikasi kapang endofit dari pohon sengon provenan Kepulauan Solomon berdasarkan morfologi dan molekuler (Analisis rDNA ITS (Internal Transcribe Spacer). Jurnal Biologi. Hal. 15-24.
- White, T. J., Bruns, T., Lee, S., and Taylor, J. 1990. Amplification and direct sequencing of fungal ribosomal RNA genes for phylogenetics. In M. A. Innis, D. H. Gelfand, J. J. Sninsky, and T. J. White (Eds.), PCR Protocols: A Guide to Methods and Applications (pp. 315-322). Academic Press.
- Yuniza, A., Nova, T. D., Angga, W. A., Annisa, and Rizal, Y. 2016. Effects of the combinations of cassava leaf meal and palm kernel cake mixture fermented by *Bacillus amyloliquefaciens* on the alteration of their dry matter, crude protein, crude fiber, and crude lipid contents. Pakistan Journal of Nutrition , 15: 1049-1054.
- Zhai, J., Wong, B., Hai, J., Sun, Y., Yang, J., Zhou, J., Wang, T., Zhang, W., Cai, Q. and Guo, Y., J. 2023. Effects of *Aspergillus niger* on cyanogenic glycosides removal and fermentation qualities of ratooning sorghum. Frontiers in Microbiology, 14: 1128507.

