

DAFTAR PUSTAKA

- Abikoye, E. T., J. K. Oloke, P. C. Okorie, A. K. Lawal, A. O. Anibaba, O. F. Oluwawole, A. A. Odunuga, M. O. Ajao, O. D. Adelaja, O. B Okeowo, dan A. Ngajo. 2023. "The Effect of Mutagenesis of Production of Mycelia Growth of *Auricularia* Species in Nigeria". *Biotechnology Journal of International*. 27 (5) :
- Achmad., dan Gumbira Sa'id. 2012. *JAMUR*. Jakarta : AgriFlo (Penebar Swadaya Grup). Halaman 33.
- Alexopoulos, C. J., dan C. W. Mims. 1979. *Introductory Mycology*. New York : John Wiley and Sons.
- Artiningsih, T. 2006. "Aktivitas Ligninolitik Jenis Ganoderma Pada Berbagai Sumber Karbon". *Biodiversitas*. 7 : 307 – 311.
- Asegab, Muad. 2011. *Bisnis Pembibitan Jamur Tiram, Jamur Merang, dan Jamur Kuping*. Jakarta : PT Agro Media Pustaka. Halaman 13.
- Asgher, M., N. Ahmed, dan H. M. N. Iqbal. 2011. "Hyperproductivity of Extracellular Enzymes from Indigenous White Rot Fungi (*P. Chrysosporium* IBL-03) by Utilizing Agro-Waste". *Bioresources*. 4 : 4454 – 4467.
- Ason, Y., F. Diba, dan M. S. Anwari. 2018. "Identifikasi Jenis Tumbuhan Bawah yang Berkhasiat Obat di Kawasan Arboretum Sylva Universitas Tanjungpura". *Jurnal Tengkawang*. 8 (1) : 52 – 59.
- Astin. 2007. "Kinetika Reaksi Degradasi Lignin Melalui Degradasi Hemiselulosa oleh Enzim Xylanase dari *Aspergillus niger*". Surabaya : Tesis Kimia ITS.
- Bellettini, Marcelo Barba., Fernanda Assumpcao Fiorda, Helayne Aparecida Maieves, Gerson Lopes Taixeira, Suelen Avila, Polyanna Silveira Hornung, Agenor Maccari Junior, dan Rosemary Hoffmann Ribani. 2019. "Factor Affecting Mushroom *Pleurotus* spp.). *Saudi Journal of Biological Sciences*. 26 (4) : 633 – 646.
- Benoit, Isabelle., Marielle H. van DEN Esker, Aleksandrina Patyshakuliyeva, Derek J. Mattern, Felix Blei, Miaomiao Zhou, Jan Dijksterhuis, Axel A. Brakhage, Oscar P. Kuipers, Ronald P. de Vreis, dan Akos T. Kovaks. 2015. "*Bacillus subtilis* Attachment to *Aspergillus niger* Hyphae Result in Mutually Altered Metabolism". *Environment Microbiology*. 17 (6) : 2099 – 2113.
- Berg, Gabriele., Daria Rybakova, Doreen Fischer, Tomislav Cernava, Marie-Christine Champomier Verges, Trevor Charles, Xiaoyulong Chen, Luca Cocolin, Kellye Eversole, Gema Herrero Corral, Maria Kazou,

- Linda Kinkel, Lene Lange, Nelson Lima, Alexander Loy, James A. Macklin, Emmanuelle Maguin, Tim Mauchline, Ryan McClure, Birgit Mitter, Matthew Ryan, Inga Sarand, Hauke Smidt, Bettina Schelkle, Hugo Roume, G. Seghal Kiran, Joseph Selvin, Rafael Soares Correa de Souza, Leo van Overbeek, Brajesh K. Singh, Michael Wagner, Aaron Walsh, Angela Sessitch, dan Michael Scholter. 2022. "Microbiome Definition Re-visited : Old Concepts and New Challenges". *Microbiome*. 8 (103) : 1 – 22.
- Bilal, Muhammad., Jakub Zdarta, Teofil Jesionowski, dan Hafiz. M. N. Iqbal. 2023. "Manganese Peroxidases as Robust Biocatalytic Tool – An Overview of Sources, Immobilization, and Biotechnological Applications". *International Journal of Biological Macromolecules*. 234.
- Braat, Nienke., Margot C. Koster, dan Han A. B. Wosten. 2022. "Beneficial Interactions Between Bacteria and Edible Mushroom". *Fungal Biology Reviews*. 39 : 60 – 72.
- Buchanan, R. E., dan N. E. Gibbons. 1974. *Bergey's Manual of Determinative Bacteriology*. Baltimore : Williams and Wilkins.
- Bugg, T. D., M. Ahmad, E. M. Hadirman, dan R. Singh. 2010. "The Emerging Role for Bacteria in Lignin Degradation and Bioproduct Formation". *Current Opinion in Biotechnology*. 22 (3) : 394 – 400.
- Charisma, Acivrida Mehga. 2019. *Buku Ajar Mikologi*. Surabaya : Airlangga University Press. Halaman 1 – 2.
- Chen, Liding., Miao Yen, Xin Qian, Zi Wei Yang, Yan Fei Xu, Tianjiao Wang, Ji Xuan Cao, dan Shujing Sun. 2022. "Bacterial Community Composition in the Growth Process of *Pleurotus eryngii* and Growth Promoting Abilities of Isolated Bacteria". *Original Research Article*. 13 : 1 – 11.
- Cleland, David., Krista Jastrzemska, Elena Stamenova, Jeffrey Benson, Catharine Catranis, David Emerson, dan Brian Beck. 2007. "Growth Characteristics of Microorganism on Commercially Available Animal-Free Alternatives to Tryptic Soy Medium". *Journal of Microbiological Methods*. 69 (2) : 345 – 352.
- Colauto, Nelson B., Terry R. Fermor, Augusto F. Eira, dan Giani A. Linde. 2016. "*Pseudomonas putida* Stimulates Primordia on *Agaricus bitorquis*". *Current Microbiology*. 72 (4) : 1 – 7.
- Coligan, J. E., B. M. Dunn, D. W. Speicher, dan P. Wingfield. 2004. *Current Protocol in Protein Science Extraction of Protein from Plant Tissues*. John Wiley & Sons.

- Cui, Lili., Guoquan Fen, Jie Lu, dan Changqin Li. 2021. "The Content Analysis of Amino Acids in *Auricularia auricularia* from Heilongjiang and Jilin". *Journal of Food Quality*. 2021 (1) : 1 – 5.
- Cullent, D., dan P. J. Kersten. 1996. *A Comprehensive Treatise on Fungi as Experimental System for Basic and Applied Research : Enzymology and Molecular Biology of Lignin Degradation, The Mycota 3rd edition*. Berlin Heidelberg : Springer-Verlag.
- Cupul, W. C., G. H. Abarca, D. M. Carrera, dan R. R. Vazquea. 2014. "Enhancement of Ligninolytic Enzyme Activities in a *Trametes maxima-Paecilomyces carneus* Co-culture : Key Factors Revealed After Screening Using a Plackett-Burman Experimental Design". *Electronic Journal of Biotechnology*. 17 : 113 – 121.
- Deveau, Auriele., Gregory Bonito, Jessie Uehling, Mathieu Paoletti, Matthias Becker, Saskia Bindschedler, Stephane Hacquard, Vincent Herve, Jessy Labble, Olga A. Lastovetsky, Sophie Mieszkina, Larry J. Millet, Balazs Vajna, Pillar Junier, Paola Bonfante, Bastiaan P. Krom, Stefan Olsson, Jan Dirk van Elsas, dan Lukas Y. Wick. 2018. "Bacterial-Fungal Interactions : Ecology, Mechanism, and Challenges". *FEMS Microbiology Reviews*. 42 (3) : 335 – 352.
- Dimawarnita, Firda., dan Tri Panji. 2019. "Aktivitas Enzim Ligninolitik *Pleurotus ostreatus* Pada Media yang Mengandung TKKS dan Aplikasinya untuk Dekolorisasi Zat Warna". *Menara Perkebunan*. 87 (1) : 31 – 40.
- Dwiyanti, Dian., dan N. Dwianita Kuswytasari. 2016. "Imobilisasi Enzim Ligninolitik Kapang Tanah Pada Bentonit". *Jurnal Sains dan Seni ITS*. 5 (2) : 77 – 82.
- Effendi, Irwan. 2020. *Metode Identifikasi dan Klasifikasi Bakteri*. Pekanbaru : Oceanum Press. Halaman 12.
- Efiyanti, Lisna., dan Asep Hidayat. 2017. "Seleksi Jamur Pelapuk Putih Hutan Tropis Indonesia sebagai Penghasil Enzim Lakase (Lac) dan Mangan Peroksidase (MnP)". *Jurnal Penelitian Hasil Hutan*. 35 (3) : 185 – 195.
- Elmiwati., Nurlila Sitepu, dan Desvika Ariya Savitri. 2015. "Pengaruh Kombinasi Beberapa Media Terhadap Pertumbuhan dan Produksi Jamur Kuping (*Auricularia auricularia* J.)". *BioCONCETTA*. 1 (2) : 8 – 19.
- Febriansyah, Evan., Iwan Saskiawan, Wibowo Mangunwardoyo, Tri Ratna Sulistiyani, dan Eva Watamin Widhiya. 2018. "Potency of Growth Promoting Bacteria on Mycelial Growth of Edible Mushroom *Pleurotus ostreatus* and its Identification Based on 16S rDNA Analysis". *AIP Conference Proceeding*. 2002 : 1. 1 – 6.

- Frey-Klett, P., P. Burlinson, A. Deveau, M. Barret, M. Tarkka, dan A. Sarniguet. 2011. "Bacterial-Fungal Interactions : Hyphens Between Agricultural, Clinical, Environmental, and Food Micribiologist". *Microbiology Molecular Biology Reviews*. 75 (4) : 583 – 609.
- Galic, Milica., Mirjana Stajic, Jelen Vukojevic, dan Jasmina Cilerdzic. 2020. "Capacity of *Auricularia auricularia-judae* to Degrade Agro-Forestry Residues". *Cellulose Chemistry and Technology*. 54 : 2 (179 – 184).
- Garg, D., dan D. M. Kaur. 2013. "Extraction, Purification, and Characterization of Enzyme Amylase from *Bacillus amuloliquefaciens*". *Proceeding of 2nd International Conference on Emerging Trends in Engineering and Management*. 1 – 8.
- Gomes, E., Aguiar A. P., Carvalho C. C, Bonfa M. R. B, Silva R. D, dan Boscolo M. 2009. "Ligninases Production by Basidiomycetes Strains on Lignoceullulosic Agricultural Residues and Their Applicaation in the Decolorization of Synthetic Dyes". *Brazilian Journal of Microbiology*. 40 (1) : 31 – 39.
- Grgas, Dijana., matea Rukavina, Drago Beslo, Tea Stefanac, Vlado Crnek, Tanja Sikic, Mirna Habuda-Stanic, dan Tibela Landeka Dragicevic. 2023. "The Bacterial Degradation of Lignin-A Review". *MDPI Journal Water*. 15 (7) : 1 – 17.
- Hadiyanti, Nugraheni., Satriya Bayu Aji, dan Saptorini. 20202. "Kajian Produksi Jamur Kuping (*Auricularia auriculariajudae*) Pada Berbagai Komposisi Media Tanam". *Jurnal AGRINIKA*. 4 (1) : 1 – 14.
- Hartono, H., I. Iqbal, dan D. Useng. 2018. "Uji Kinerja Aplikator Pupuk Organik dan Pengaruh Bahan Organik terhadap Sifat Fisik Tanah dan Pertumbuhan Tanaman Melon (*Cucumis melo* L.)". *Jurnal Agritechno*. 11 (1) : 59 – 66.
- Hasanati, Jilan Nuriah., Siti Fatimah Yulianto, Alifia Nur Ramadhani, Lita Dwi I, Niken Ayu Safitri, Mohammad Syamsul Rijal, Nani Radiastuti, dan Mades Fifendy. 2021. "Inventarisasi dan Identifikasi Jamur Konsumsi yang diperdagangkan di Beberapa Pasar Swalayan Kota Tangerang dan Bekasi." *Prosding SEMNAS BIO*. 1312 – 1324.
- Hattaka, A. 1994. "Modifying Enzymes from Selected White Rot Fungi : Production and Role in Lignin Degradation". *Microbiology*. 13 : 125 – 135.
- Herlina. 1998. "Isolasi, Seleksi, dan Uji Hayati Mikro Organisme Pengurai Senyawa Lignin dari Limbah Cair Industri Pulp". *Tesis Magister Biologi*, Pasca Sarjana Institut Teknologi Bandung, Bogor.
- Herliyana, E. N., R. Ai, dan Isroi. 2011. "Pretreatment dengan *Phanerochaete chrysosporium* dalam Hidrolisis Asam Encer Sludge Kertas". *Jurnal Silvikultur Tropika*. 2 (3) : 187 – 193.

- Hidayah, Nurul., Elis Tambaru, dan As'adi Abdullah. 2017. "Potensi Ampas Tebu sebagai Media Tanam Jamur Tiram *Pleurotus* sp.". *BIOMA : Jurnal Biologi Makassar*. 2 (2) : 28 – 38.
- Himawan, R. F. 2010. *Kromatografi Cair Kinerja Tinggi (KCKT)*. Jakarta : CV. Sagung Seto.
- Hofrichter, M. 2002. "Review : Lignin Conversion by Manganese Peroxidase (MnP)". *Enzyme Microbiology Technology*. 30 : 454 – 466.
- Holt, John G., Noel R. Krieg, Peter H. A. Sneath, James T. Staley, dan Stanley T. Williams. 1994. *Bergey's Manual of Determinative Bacteriology*. Baltimore : LIPPINCOTT WILLIAM & WILKINS.
- Huang, X., D. Wang, C. Liu, M. Hu, Y. Qu, dan P. Gao. 2003. "The Roles of Veratryl Alcohol and Nonionic Surfactant in the Oxidation of Phenolic Compounds by Lignin Peroxidase". *Biochemistry Biophysic Resume Community*. 311 : 491 – 494.
- Ilmi, Mufidatul Ima., dan Nengah Dwianita Kuswytasari. 2013. "Aktivitas Enzim Lignin Peroksidase oleh *Gliomastix* sp. T3.7 Pada Limbah Bonggol Jagung dengan Berbagai pH dan Suhu". *Jurnal Sains dan Seni Pomits*. 2 (1) : 38 – 42.
- Jahedi, Akbar., Mina Salehi, Ebrahim Mohammadi Goltapeh, dan Naser Safaie. 2023. "Multilayer Perceptron-Genetic Algorithm as a Promising Tool for Modeling Cultivation Substrate of *Auricularia cornea* Native to Iran". *PloS One*. 18 (2) : 1 – 19.
- Jannah, Raudhatul., Safika, M. Jalaluddin, Darmawi, Farida, dan Dwinna Aliza. 2017. "Jumlah Koloni Bakteri Selulolitik Pada Sekum Ayam Kampung (*Gallus domesticus*)". *JIMVET*. 1 (3) : 558 – 565.
- Jaya, Gusti Prabu., Edy Batara Mulya Siregar, dan Nelly Anna. 2015. "Uji Potensi Fungi Pelapuk Putih Pada Kayu Karet Lapuk (*Hevea Brasiliensis* Muell. Arg) sebagai Pendegradasi Lignin". *Peronema Forestry Science Journal*. 1 – 7.
- Johnston, Sarah R., Lynne Boddy, dan Andrew J. Weightman. 2016. "Bacteria in Decomposing Wood and Their Interactions with Wood-Decay Fungi". *FEMS Microbiology Ecology*. 92 (11) : 1 – 12.
- Kertesz, Michael A., dan Meghann Thailand. 2018. "Compost Bacteria and Fungi that Influence Growth and Development of *Agaricus bisporus* and Other Commercial Mushroom". *Appliaction Microbiology Ethanol*. 102 (4) : 1639 – 1650.
- Kirk, T. K., dan R. L. Farrel. 1987. "Enzymatic "Combustion" : The Microbial Degradation of Lignin". *Annual Review of Microbiology*. 41 : 465 – 501.

- Kurniawan, Choliq., Imam Widodo, dan Barahima Abbas. 2021. "Pertumbuhan dan Perkembangan Jamur Tiram (*Pleurotus ostreatus*) Pada Media Ampas". *CASSOWARY*. 4 (1) : 28 – 38.
- Li, X., dan C. Chapple. 2020. "Understanding Lignification : Challenges Beyond Monolignol Biosynthesis". *Plant Physiology*. 154 : 449 – 452.
- Liana, M. 2015. "Uji Aktivitas Antihiperqlikemia Ekstrak Etanol Jamur Kuping Hitam (*Auricularia polytricha* (Mont.) Sacc.) terhadap Mencit Swiss Webster Jantan". *Jurnal UNISBA*. 1 – 12.
- Luz, J. M. R. D., Nunes M. D, Paes S. A, Torres D. P, Silva M. D. C. S. D, dan Kasuya M. C. M. 2012. "Lignocellulolytic Enzyme Production of *Pleurotus ostreatus* Growth in Agroindustrial Wastes". *Brazilian Journal of Microbiology*. 43 (4) : 1508 – 1515.
- Ma, Fuying., Jinjin Wang, Yelin Zeng, Hongbo Yu, Yang Yang, dan Xiaoyu Zhang. 2011. "Influence of the Co-Fungal Treatment with Two White Rot Fungi on the Lignocellulosic Degradation and Thermogravimetry of Corn Stover". *Process Biochemistry*. 46 (9) : 1767 – 1773.
- MacAlpine, Jessie., Nicole Robbins, dan Leah E. Cowen. 2024. "Bacterial-Fungal Interactions and Their Impact on Microbial Pathogenesis". *Molecular Ecology*. 32 (10) : 2565 – 2581.
- Madhavi, V., dan S. S. Lele. 2009. "Laccase : Properties and Applications". *Bioresource*. 4 (4) : 176 – 180.
- Mahrus, Ali., dan Hefdiyah. 2021. "Pertumbuhan Pin Head Jamur Kuping Hitam (*Auricularia polytricha*) Pada Medai Tambahan Tetes Tebu dengan Dosis Berbeda". *Journal of Mathematics and Sciences*. 88 – 94.
- Manavalan, T., A. Manavalan, dan Heese K. 2015. "Characterization of Lignocellulolytic Enzymes from White-Rot Fungi". *Current Microbiology*. 70 : 485 – 498.
- Marklova, E. 1999. "Where does indolyacrylic acid come from? Amino Acids". *Pubmed*. 17 (4) : 401 – 413.
- Masai, E., Y. Katayama, dan Fukuda M. 2007. "Genetic and Biochemical Investigations on Bacterial Catabolic Pathways for Lignin-Derived Aromatic Compounds". *Bioscience, Biotechnology, and Biochemistry*. 71 (1) : 1 – 15.
- Masalu, Rose J. 2016. "Ligninolytic Enzymes of The Fungus Isolated from Soil Contaminated with Cow Dung". *Tanzania Journal of Science*. 42. 84 – 92.
- Matera, I., Gulotto A, Ferraroni M, Scozzafava A, dan Briganti F. 2008. "Crystal Structure of the Blue Multicopper Oxidase from White-Rot Fungus *Trametes trogii* Complexed with p -toulate". *Inorg Chim Actta*. 361 (14 – 15) : 4129 – 4137.

- Medison, Rudoviko Galileya., Litao Tan, Milca Banda Medison, dan Kenani Edward Chiwina. 2022. "Use of Beneficial Bacterial Endophytes : A Practical Strategy to Achieve Sustainable Agriculture". *AIMS Microbiology*. 8 (4) : 624 – 643.
- Meng, Li., Xiaoran Bai, Qingji Wang, Xiaobo Li, Shaoyan Zhang, Li Wang, Wei Wang, dan Zhuang Li. 2021. "Optimizing Laccase Production in *Auricularia cornea* by Submerged Fermentation with Wheat Bran Extract : Application in Decolorization of Malachite Green Dye". *Research Square*. 1 – 25.
- Mulyawan, Ronny., Lilik Tri Indriyati, Happy Widiastuti, dan Supiandi Sabiham. 2019. "Uji Aktivitas Lakase dan Selulase Pada Lignoselulosa Gambut dengan Berbagai Kadar Air". *Jurnal Ilmu Pertanian Indonesia*. 24 (1) : 20 – 27.
- Napitupulu, Toga Pangihotan., Sawithree Pramroj Na Ayudhya, Tadanori Aimi, dan Norihio Shimomura. 2022. "Mycelial Growth-Promoting Potential of Extracellular Metabolites of *Paraburkholderia* spp. Isolated from *Rhizopohon roseolus* Sporocarp". *Journal of Pure and Applied Microbiology*. 16 (2) : 1154 – 1166.
- Nasr, N., dan F. Mahdipour. 2013. "The Effect of Different Growth Regulator and Media on the Mycelium Growth of Two Mushroom Species : *Agaricus bisporus* and *Pleurotus florida*". *International Journal of Agriculture and Crop Science*. 6 (8) : 478 – 484.
- Nguyen, L. N., Van de Merwe J. P, Hai F. I, Lleusch F. D, Kang J, Price W. E, Roddick F, dan Magram Nghiem. 2016. "Laccase-Syringaldehyde-Mediated Degradation of Trace Organic Contaminants in an Enzymatic Membrane Reactor : Removal Efficiency and Effluent Toxicity". *Bioresources Technology*. 200 : 477 – 484.
- Novitasari, Diva Triza., Pujiono Wahyu Pramono, Oktavianto Eko Jati, Diah Ayuningrum, dan Anindita Sabdaningsih. 2021. "Skirining Bakteri Penghasil Enzim Amilase dari Sedimen Tambak Udang Vannamei (*Litopenaeus vannamei*)". *Journal of Fisheries and Marine Research*. 5 (2) : 297 – 303.
- Parra, Marcelina., Seth Stahl, dan Hanjo Hellman. 2018. "Vitamin B6 and its Role in Cell Metabolism and Physiology". *Cells*. 7 (7) : 1 – 28.
- Phitakrotchanakoon, Chitwadee., Sermsiri Mayteeworakoon, Paopit Siriarchawatana, Supattra Kitikhun, Piyanun Harnpicharnchai, Supaporn Wansom, Lily Eurwilaichitr, dan Supawadee Ingsriswang. 2022. "Beneficial Bacterial-*Auricularia cornea* Interactions Fostering Growth Enhancement Identified from Microbiota Present in Spent Mushroom Substrate". *Frontiers in Microbiology*. 13. 1 – 17.

- Pollegioni, L., Tonin F, dan Rosini E. 2015. "Lignin-degrading Enzymes". *FEBS J.* 282 (7) : 1190 – 1213.
- Putri, Vita. A. D., Jimmy Posangi, Edward Nangoy, dan Robet A. Bara. 2016. "Uji Daya Hambat Jamur Endofit Rimpang Lengkuad (*Alpinia galanga* L.) terhadap Pertumbuhan Bakteri *Escherichia coli* dan *Staphylococcus aureus*". *Jurnal e-Biomedik.* 4 (2) : 1 – 8.
- Rahmasyita, A. M., N. D. Kuswytasari, dan E. Zulaika. 2018. "Aktivitas Enzim Endoglukanase (EG) dan Lignin Peroksidase dari *Penicillium* sp. Pada Media Pertumbuhan Bekatul dan Tongkol Jagung". *Jurnal Sains dan Seni ITS.* 7 (2) : 57 – 59.
- Ramasamy, G., dan A. Rajarajan. 2012. "Effect of Medicinal Mushroom, *Auricularia auricularia-judae*, Polysaccharides Against EAC Cell Lines". *Research Journal of Biotechnology.* 7 (2) : 14 – 17.
- Razla, Roni., Dewi Febrina, dan Dwi Nanda Indah Sari. 2023. *Pemanfaatan Kapang Pelapuk Putih Untuk Mengoptimalkan Pemanfaatan Pakan Berserat Tinggi Pada Ternak Ruminansia.* Indramayu – Penerbit Adab. Halaman 16 – 26.
- Rohmah, Laila Ainur., Dian Latifah, Fitri Fatma Wardani, Aulia Hasan Widjaya, dan Kumala Dewi. 2022. "Effect of Cryoprotectants and Cryopreservation on Physiological and Some Biochemical Changes of *Hopea odorata* Roxb. Seed". *Journal of Tropical Biodiversity and Biotechnology.* 7 (1) : 1 – 16.
- Ruhimat, Riki., Gunawan Djajakirana, dan Sarijaya Antonius. 2022. "Fungi Dekomposer Penghasil Enzim Ekstraseluler Lakase, Mangan Peroksidase, dan Lignin Peroksidase dari Kaawasan Kebun Raya Bogor : Isolasi, Seleksi, Identifikasi, dan Kajian Aktivitas Enzimnya". *Jurnal Biologi Indonesia.* 18 (1) : 111 – 119.
- Sari, Indah Juwita., dan I Nyoman Pugeg Aryantha. 2021. "Screening and Identification of Mushroom Growth Promoting Bacteria on Straw Mushroom (*Volvariella volvacea*)". *Journal of Tropical Biodiversity and Biotechnology.* 6 (1) : 1 – 9.
- Scopes, R. K. 2002. *Enzyme Activity and Assay.* Australia : Macmilan Publisher Ltd.
- Senik, Svetlana V., Bairta S. Manzhieva, Liliya G. Maloshenok, Evgeny B. Serebryakov, Sergery A. Bruskin, dan Ekaterina R. Kotlova. 2023. "Heterogeneous Distribution of Phospholipid Molecular Species in the Surface Culture of *Flammulina velutipes* : New Facts about Lipids Containing α -Linolenic Fatty Acid". *Journal of Fungi.* 9 (1) :
- Shamugam, Shivaghami., dan Michael A. Kertesz. 2022. "Bacterial Interaction with the Mycelium of the Cultivated Edible Mushroom *Agaricus bisporus*

- and *Pleurotus ostreatus*". *Journal of Applied Microbiology*. 134 (1) : 1 – 10.
- Siswanto, E. 2017. *Petunjuk Praktis Budidaya Jamur Kuping, Jamur Merang, Jamur Tiram, Jamur Shitake, dan Jamur Kancing Sistem Semi Modern*. Blitar : Fakultas Pertanian Universitas Islam Blitar.
- Songulashvii, G., Flahaut S, Demarez M, Tricot C, Bauvois C, Debaste F, dan Penninckx M. J. 2016. "High Yield Production in Seven Days of *Coriolopsis gallica* 1184 Laccase at 50 L Scale; Enzyme Purification and Molecular Characterization". *Fungal Biol.* 120 (4) : 481 – 488.
- Souza, Rocheli de., Adriana Ambrosini, dan Luciane M. P. Passaglia. 2015. "Plant Growth-Promoting Bacteria as Inoculants in Agricultural Soils". *Genet Mol Biol.* 38 (4) : 401 – 419.
- Sunarto, Soelaiman Budi. 2014. *Inovator Pendobrak Perubahan*. Jakarta : PT Elex Media Komputindo. Halaman 38 – 39.
- Surwase, S. V., Patil S. A, Srinivas S, dan Jadhav J. P. 016. "Interaction of Small Molecules with Fungal Laccase : A Surface Plasmon Resonance Based Study". *Enzyme Microbiology Technology*. 82 : 110 – 114.
- Taherzadeh, M. J., dan K. Karimi. 2008. "Pretreatment of Lignocellulosic Wastes to Improve Ethanol and Biogas Production : A Review". *International Journal of Molecular Sciences*. 9 : 1621 – 1651.
- Tien, M., dan Kirk T. K. 1984. "Lignin-degrading Enzyme from *Phanerochaete chrysosporium* : Purification, Characterization, and Catalytic Properties of a Unique H₂O₂-Requiring Oxygenase". *Proc Natl Sci USA*. 81 : 2280 – 2284.
- Trejo, E. B., Benavides L. M, dan Yanez J. M. S. 2015. "Inconsistencies and Ambiguities in Calculating Enzyme Activity : The Case of Laccase". *Journal of Microbiological Methods*. 119 : 126 – 131.
- Utoyo, Norwiyono. 2010. *Bertanam Jamur Kuping di Lahan Sempit*. Jakarta : PT Agro Media Pustaka. Halaman 15.
- Vanderschuren, Herve., Svetlana Boycheva, Kuan-Te Li, Nicolas Szydlowski, Wilhelm Gruissem, Teresa B. Fitzpatrick. 2013. "Strategies for Vitamin B6 Biofortification of Plants : a Dual Role as a Micronutrient and a Stress Protectant". *Frontiers in Plant Science*. 4 (143) : 1 – 7.
- Vares, T., dan A. Hattaka. 1997. "Lignin-Degrading Activity and Ligninolytic Enzyme of Different White-Rot Fungi : Effect of Manganese and Malonate". *Canadian Journal of Botany*. 75 (2) : 61 – 71.
- Weng, Caihong., Xiaowei Peng, dan Yejun Han. 2021. "Depolymerization and Conversion of Lignin to Value-Added Bioproducts by Microbial and Enzymatic Catalysis". *Biotechnology for Biofuels*. 14 (84) : 1 – 22.

- Widiastuti, H., Siswanto, dan Suharyanto. 2007. “Optimasi Pertumbuhan dan Aktivitas Enzim Lignolitik *Omphalina* sp. dan *Pleurotus ostreatus* Pada Fermentasi Padat”. *Menara Perkebunan*. 75 (2) : 93 – 105.
- Windiawati., Bina Lohita Sari, dan S. W. 2015. “Aktivitas Antioksidan Ekstrak Etanol Teh Putih (*Camellia sinensis* L.) dan Benalu Teh (*Scurulla atropupurea* BL.Dans)”. *JIF*. 1 – 8.
- Young, Li-Sen., Jiunn-Nan Chu, Asif Hameed, dan Chiu-Chung Young. 2013. “Cultivable Mushroom Growth-Promoting Bacteria and Their Impact on *Agaricus blazei* Productivity”. *Pesquisa Agrpecuaria Brasileira*. 48 (6) : 636 – 644.
- Yunita, M., Y. Hendrawan, dan R. Yulianingsih. 2015. “Analisis Kualitatif Mikrobiologi Pada Makanan Penerbangan (*Aerofood ACS*) Garuda Indonesia Berdasarkan TPC (*Total Plate Count*) dengan Metode *Pour Plate*”. *Jurnal Keteknikan Pertanian Tropis dan Biosistem*. 3 (3) : 237 – 248.
- Zeranejad, F., B. Yakhchali, dan I. Rasooli. 2012. “Evaluation of Indigenous Potent Mushroom Growth Promoting Bacteri (MGPB) on *Agaricus bisporus* Production”. *Journal Microbiology Biotehcnology*. 28 : 99 – 104.
- Zhang, Wen., Chenyang Diao, dan Lei Wang. 2023. “Degradation of Ligin in Different Lignocellulosic Biomass by Steam Explosion Combined with Microbial Consortium Treatment”. *Biotechnology for Biofuels and Bioproduct*. 55 : 1 – 15.
- Zhang, X., B. Zhang, R. Miao, J. Zhou, L. Ye, dan D. Jia. 2018. “Influence Temperature on Bacterial Community in Substrate and Extracellular Enzyme Activity of *Auricularia cornea*”. *Mycobiology*. 46 : 224 – 235.
- Zheng, H., Kim J, Liew M, Yan J. K, Herrera O, Bok J. W, Kelleher N. L, Keller N. P, dan Wang Y. 2015. “Redox Metabolites Signal Polymicrobial Biofilm Development Via the NapA Oxidative Stress Cascade in *Aspergillus*”. *Current Biology*. 25 (1) : 29 – 37.
- Zhou, Yaqi., Hongkai Wang, Sunde Xu, Kai Liu, Hao Qi, Mengcen Wang, Xiaoyulong Chen, Gabriele Berg, Zhonghua Ma, Tomislav Cernava, dan Yun Chen. 2022. “Bacterial-Fungal Interactions Under Agricultural Settings : from Physical to Chemical Interactions”. *Stress Biology*. 2 (22) : 1 – 17.
- Zurbano, Leilidyn Y. 2017. “Mycelial Growth and Fructification of Earwood Mushroom (*Auricularia polyticha*) on Different Substrates”. *4th International Research Conference on Higher Education, KnE Social Sciences*. 799 – 814.