

DAFTAR PUSTAKA

- Aksara, W. D. A. N. (2024). *Wawasan dan aksara*. 4(1), 140–149.
- Amiyati, S., Muhfahroyin, & Sutanto, A. (2020). Pengembangan Monograf Materi Jamur (Fungi) Berbasis Bioentrepreneur untuk Memberdayakan Minat Berwirausaha. *Jurnal Lentera Pendidikan Pusat Penelitian LPPM UM Metro*, 5(1), 62–74.
- Ben-daud, M., Elias, M., Elisabet, J. F., Israel, D., Joel, S., & Indonesia, B. (2012). *Fleksibilitas Katalitik dan Cadangan di Situs Aktif Enzim : Kasus Serum Paraoxonase 1. Tahun*, 181–196. <https://doi.org/10.1016/j.jmb.2012.02.042>
- Blaha-nelson, D., Kru, D. M., Szeler, K., Ben-david, M., Caroline, S., & Kamerlin, L. (2017). *Active Site Hydrophobicity and the Convergent Evolution of Paraoxonase Activity in Structurally Divergent Enzymes: The Case of Serum Paraoxonase 1*. <https://doi.org/10.1021/jacs.6b10801>
- Brief, F. A. (2018). *Pesticides use Global , regional and country trends*.
- Chandra, R., & Kumar, V. (2017). *Biotransformation and Biodegradation of Organophosphates and Organohalides*. October 2015. <https://doi.org/10.1201/b19243-17>
- Chi, M., Liao, T., Lin, M., & Lin, L. (2021). *Catalytic Performance of a Recombinant Organophosphate-Hydrolyzing Phosphotriesterase from Brevundimonas diminuta in the Presence of Surfactants*.
- Devi, M. Y., & Rusbinal, R. (2023). Validation of Digital Learning Media to Improve the Basic Literacy Skills of Low-Grade Elementary School Students. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, 7(1), 119–129. <https://doi.org/10.31004/obsesi.v7i1.3713>
- Df, S. (2017). *Isolation and Identification of Fungi from Contaminated Soil to Build Biological Resource as Biocontrol Activity*. 12(2), 1–4.
- Dryulia. (2021). *Tinjauan pustaka*.

- Eapen, S., Singh, S., & Souza, S. F. D. (2007). *Advances in development of transgenic plants for remediation of xenobiotic pollutants.* 25, 442–451. <https://doi.org/10.1016/j.biotechadv.2007.05.001>
- Escudero-Leyva, E., Alfaro-Vargas, P., Muñoz-Arrieta, R., Charpentier-Alfaro, C., Granados-Montero, M. del M., Valverde-Madrigal, K. S., Pérez-Villanueva, M., Méndez-Rivera, M., Rodríguez-Rodríguez, C. E., Chaverri, P., & Mora-Villalobos, J. A. (2022). Tolerance and Biological Removal of Fungicides by Trichoderma Species Isolated From the Endosphere of Wild Rubiaceae Plants. *Frontiers in Agronomy*, 3(February), 1–14. <https://doi.org/10.3389/fagro.2021.772170>
- Gencer, N., Arslan, O., Arslan, N. B., & Özdemir, N. (2016). *Bioorganic & Medicinal Chemistry Functionalized imidazolium and benzimidazolium salts as paraoxonase 1 inhibitors: Synthesis , characterization and molecular docking studies Mert Olgun Karatas.* <https://doi.org/10.1016/j.bmc.2016.02.012>
- Gupta, S. S., Mishra, V., Mukherjee, M. Das, Saini, P., & Ranjan, K. R. (2021). Amino acid derived biopolymers: Recent advances and biomedical applications. *International Journal of Biological Macromolecules*, 188(May), 542–567. <https://doi.org/10.1016/j.ijbiomac.2021.08.036>
- Indriyani, Y. A. (2021). *Pergerakan Pestisida Organofosfat di dalam Ekosistem.* June 2019.
- Jankiewicz, U. (2023). *applied sciences Biochemical Characteristics of Laccases and Their Practical Application in the Removal of Xenobiotics from Water.*
- Kai, X., Tony, C., Risky, H., Kristanti, A., Noor, M., Jusoh, H., & Shi, I. (2024). The function of microbial enzymes in breaking down soil contaminated with pesticides : a review. *Bioprocess and Biosystems Engineering*, 47(5), 597–620. <https://doi.org/10.1007/s00449-024-02978-6>
- Kawasan, D., & Bedugul, P. (2021). *Eksplorasi Dan Identifikasi Mikroba Pada*

Rhizosfer Tanaman Stroberi Journal of Biological Sciences. February.
<https://doi.org/10.24843/metamorfosa.2020.v07.i02.p09>

Kumar, M., Bolan, N. S., Hoang, S. A., Sawarkar, A. D., Jasemizad, T., Gao, B., Keerthan, S., Padhye, L. P., Singh, L., Kumar, S., Vithanage, M., Li, Y., Zhang, M., Kirkham, M. B., & Vinu, A. (2021). *Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons : To immobilize , mobilize , or degrade ?* 420(July).
<https://doi.org/10.1016/j.jhazmat.2021.126534>

Kumar, S., Kaushik, G., Dar, M. A., Nimesh, S., & Villarreal-chiu, J. F. (2018). *Microbial Degradation of Organophosphate Pesticides : A Review.* 28(2), 190–208. [https://doi.org/10.1016/S1002-0160\(18\)60017-7](https://doi.org/10.1016/S1002-0160(18)60017-7)

Latip, W., Knight, V. F., Khim, O. K., Azilah, N., Kasim, M., Zin, W., Yunus, W., Shukuri, M., Ali, M., Aminah, S., & Noor, M. (2021). *Immobilization of Mutant Phosphotriesterase on Fuller ' s Earth Enhanced the Stability of the Enzyme.*

M, R., S, P., KM, D., S, K., BB, N., & MF, V. (2018). Antimicrobial Compounds of Plant Origin as Efflux Pump Inhibitors: New Avenues for Controlling Multidrug Resistant Pathogens. *Journal of Antimicrobial Agents,* 04(01).
<https://doi.org/10.4172/2472-1212.1000159>

Ma'arif, A. I., & Nursikin, M. (2024). Pendidikan Nilai di Era Digital: Tantangan dan Peluang. *Afeksi: Jurnal Penelitian Dan Evaluasi Pendidikan,* 5(2), 326–335. <https://doi.org/10.59698/afeksi.v5i2.254>

Morales-Guzmán, G., Alarcón, A., Ferrera-Cerrato, R., Rivera-Cruz, M. D. C., Torres-Bustillos, L. G., & Mendoza-López, M. R. (2020). Effect of emulsifying bacteria on phytotoxicity attenuation of soils contaminated with weathered petroleum hydrocarbons. *Revista de Biología Tropical,* 68(2), 692–703. <https://doi.org/10.15517/RBT.V68I2.39327>

Olgun, M., Indonesia, K. A., Uslu, H., A, B. A., C, B. G., Gencer, N., Indonesia,

- D., Arslan, O., & Burcu, N. (2016). *Kimia Bioorganik & Medis Garam imidazolium dan benzimidazolium fungsional sebagai penghambat paraoxonase 1: Sintesis , karakterisasi dan studi docking molekuler.* <https://doi.org/10.1016/j.bmc.2016.02.012>
- Pathways, R., & Factors, I. (2023). *Airborne Pesticides from Agricultural Practices: A Critical Review of Pathways, Influencing Factors, and Human Health Implications.*
- Perpetuini, G., Anais, P., Fossi, N., Kwak, S., Namessi, O., Petchkongkaew, A., Tofalo, R., & Wach, Y. (2023). *Pesticides in Foods : Towards Bioremediation Biocatalysts ?* 1–20.
- Pujati. (2014). *Isolasi actinomycetes dari tanah kebun sebagai bahan petunjuk praktikum mikrobiologi.* 1(2), 42–46.
- Pujati, P. (2024). *Mycoremediation of pesticide-contaminated soil : A review.* 02020.
- Rizki Fadhil Pratama, M. (2017). *Akar Kuning (Arcangelisia Flava) As Neuraminidase Inhibitor: Molecular Docking And Pharmacophore Optimization Approach.* 6(Smichs), 502–511. <https://doi.org/10.2991/smichs-17.2017.63>
- Rong, S., Fu-Liang, Q., Yi-Ting, C., Fa-Ping, Z., Wei, D., Ya-Xian, L., Zhi-Pang, H., Xiao-Yan, Y., & Wen, X. (2023). Soil sampling methods for microbial study in montane regions. *Global Ecology and Conservation,* 47, e02679. <https://doi.org/10.1016/j.gecco.2023.e02679>
- Setiawan, H., Irawan, I., Matematika, D., Matematika, F., Alam, P., & Teknologi, I. (2017). *Kajian Pendekatan Penempatan Ligan pada Protein Menggunakan Algoritma Genetika.* 6(2), 2–6.
- Sharma, A., Kumar, V., Shahzad, B., Tanveer, M., Preet, G., Sidhu, S., & Handa, N. (2019). Worldwide pesticide usage and its impacts on ecosystem. *SN Applied Sciences,* 1(11), 1–16. <https://doi.org/10.1007/s42452-019-1485-1>

- Skendži, S., Zovko, M., & Pajač, I. (2021). *The Impact of Climate Change on Agricultural Insect Pests*.
- Tech, J. A. B., Dar, A. M., & Mir, S. (2017). *Analytical & Bioanalytical Techniques Molecular Docking : Approaches , Types , Applications and Basic Challenges*. 8(2), 8–10. <https://doi.org/10.4172/2155-9872.1000356>
- Trisnawati, P. (2020). 1,2,3). 253–261.
- Ukalska-jaruga, A., Bejger, R., Jerzykiewicz, M., Cwiel, I., & Debicka, M. (2023). *The Interaction of Pesticides with Humin Fractions and Their Potential Impact on Non-Extractable Residue Formation*.
- Ulfa, N. W. (2019). Isolasi Kapang Selulolitik Dari Tanah Hutan Jati Kare Kabupaten Madiun Sebagai Bahan Pembuatan Modul Mikrobiologi Sma Kelas Xii. *Prosiding Seminar Nasional SIMBIOSIS IV*, 401–405.
- Use, P. (2023). *Pesticide Use and Degradation Strategies: Food Safety, Challenges and Perspectives*.
- Vi, P. S., Wanda, A. A., Kiswardianta, R. B., Studi, P., Biologi, P., & Madiun, U. P. (2024). *Penyusunan E-Monograf Berbasis Riset Uji Potensi Dan Karakterisasi Kapang Pendegradasi Pestisida Karbofurran*. 2024, 39–46.
- Yuan, S., Yang, F., Yu, H., Xie, Y., Guo, Y., & Yao, W. (2021). Biodegradation of the organophosphate dimethoate by Lactobacillus plantarum during milk fermentation. *Food Chemistry*, 360. <https://doi.org/10.1016/j.foodchem.2021.130042>
- Zhichkina, L., Nosov, V., Zhichkin, K., & Zhenzhebir, V. (2020). *Pesticide pollution monitoring of agricultural soil*. 01068.
- Zikankuba, V. L., Mwanyika, G., Ntwenya, J. E., James, A., Lwoga, V., Mwanyika, G., Ntwenya, J. E., Zikankuba, V. L., Mwanyika, G., & Ntwenya, J. E. (2019). Cogent Food & Agriculture Pesticide regulations and their malpractice implications on food and environment safety Pesticide regulations and their

malpractice implications on food and environment safety. *Cogent Food & Agriculture*, 5(1). <https://doi.org/10.1080/23311932.2019.1601544>