

DAFTAR PUSTAKA

- Achari, S. R., Mann, R. C., Sharma, M., & Edwards, J. (2023). Diagnosis of *Fusarium oxysporum* f. sp. ciceris causing *Fusarium* wilt of chickpea using loop-mediated isothermal amplification (LAMP) and conventional end-point PCR. *Scientific Reports*, *13*(1), 2640.
- Agusta, A., Wulansari, D., Praptiwi, Fathoni, A., Oktavia, L., & Keim, A. P. (2022). *Papuacerdrus papuana* (f. Muell) hl li., a new source for two bioactive diterpenes: ferruginol and trans-communic acid that virtually active against SARS-CoV-2. *Rasayan Journal of Chemistry*, *15*(2).
- Alfiyanti, Y. D., Ratnawati, D. E., & Anam, S. (2019). Klasifikasi Fungsi Senyawa Aktif Data Berdasarkan Kode Simplified Molecular Input Line Entry System (SMILES) menggunakan Metode Modified K-Nearest Neighbor. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, *3*(4), 3244-3251.
- Anafarida, O., & Badruzsauhari, B. (2020). Analisis filogenetik mangga (*Mangifera* Spp.) berdasarkan gen 5, 8s rRNA. *Ziraa'ah Majalah Ilmiah Pertanian*, *45*(2), 120-126.
- Anwar, M., Nurjanah, S., & Rahayu, W. P. (2022). Aplikasi Basic Local Alignment Search Tool (BLAST) NCBI pada penelitian molekuler *Salmonella* spp.. *Syntax Literate. Jurnal Ilmiah Indonesia*, *7*(11), 1-15446.
- Astari, S. M., Rialita, A., & Mahyarudin, M. (2021). Aktivitas Antibakteri Isolat Bakteri Endofit Tanaman Kunyit (*Curcuma longa* L.) Terhadap Pertumbuhan *Staphylococcus aureus*. *Jurnal Fitofarmaka Indonesia*, *8*(2), 9-16.
- Atiphasaworn, P., Monggoot, S., Gentekaki, E., Brooks, S., & Pripdeevech, P. (2017). Antibacterial and antioxidant constituents of extracts of endophytic fungi isolated from *Ocimum basilicum* var. thyriflora leaves. *Current microbiology*, *74*, 1185-1193.
- Barnett, H. L., & Hunter, B. B. (1998). *Illustrated genera of imperfect fungi* (4th ed.). APS Press.
- Dhiman, P., & Thakur, M. S. (2023). Genetic diversity of *Eristalis tenax* (linnaeus, 1758) as insect pollinator of *Prunus persica* (L.) Stokes Flowers Based on MtcoI Gene. *International Journal of Plant, Animal and Environmental Sciences*, *13*(3), 37-45.
- Dianasari, D., Puspitasari, E., Ningsih, I. Y., Triatmoko, B., & Nasititi, F. K. (2020). Potensi Ekstrak Etanol dan Fraksi-Fraksinya Dari Tiga Varietas Jahe Sebagai Agen Antibakteri Terhadap *Staphylococcus aureus*. *Pharmacon: Jurnal Farmasi Indonesia*, *17*(1), 9-16.

- Ebere, E. C., Obinna, I. B., & Wirnkor, V. A. (2019). Applications of column, paper, thin layer and ion exchange chromatography in purifying samples: Mini review. *SF Journal of Pharmaceutical and Analytical Chemistry*.
- EL Moussaoui, A., Zahra Jawhari, F., Almehti, A. M., Elmsellem, H., Fikri Benbrahim, K., Bousta, D., & Bari, A. (2019). Antibacterial, antifungal and antioxidant activity of total polyphenols of *Withania frutescens*.L. *Bioorganic Chemistry*, 103337.
- El-Metwally, M. M., Eisa, A. M., Mekawey, A. A., Mahmoud, S. F., & El Halmouch, Y. (2021). Fungal endophytes of some medicinal plant growing in northwestern coast of Egypt: Isolation, identification and two-way clustering analysis of its antimicrobial activity. *Research Square*.
- El-Zehery, H. R. A., Ashry, N. M., Faiesal, A. A., Attia, M. S., Abdel-Maksoud, M. A., El-Tayeb, M. A., Aufy, M., & El-DougDoug, N. K. (2024). Antibacterial and anticancer potential of bioactive compounds and secondary metabolites of endophytic fungi isolated from *Anethum graveolens*. *Frontiers in microbiology*, 15, 1448191.
- Evita, D., Nofita, N., & Ulfa, A. M. (2022). Efektivitas ekstrak etil asetat daun kemangi (*Ocimum sanctum* L.) sebagai larvasida nyamuk *Aedes aegypti*. *JFM (Jurnal Farmasi Malahayati)*, 5(1), 10-21.
- Fathoni, A., Kamal, A. S., Hafid, L., Marlina, L., Efendy, O., Putri, A. L., ... & Agusta, A. (2024). Antioxidant and antibacterial activities of ethyl acetate extract of actinomycetes isolated from termite nests. *Berita Biologi*, 23(1), 61-71.
- Garg, J., Ghoshal, G., Bhadada, S. K., & Katore, O. P. (2024). Derivatisation mechanistic-guided identification of phytoconstituents of different extracts of *Cissus quadrangularis* by TLC and standardization by HPTLC. *Phytomedicine Plus*, 4(3), 100601.
- Halawa, E. M., Fadel, M., Al-Rabia, M. W., Behairy, A., Nouh, N. A., Abdo, M., ... & Abdeen, A. (2024). Antibiotic action and resistance: updated review of mechanisms, spread, influencing factors, and alternative approaches for combating resistance. *Frontiers in Pharmacology*, 14, 1305294.
- Hermawan, C. (2023). Analisis filogeni kura-kura batok (*Cuora Amboinensis*) wilayah indonesia timur (Ambon, Luwu, dan Gorontalo) berbasis sekuen gen cytochrome b. *Jurnal Biosense*, 6(01), 26-46.
- Huang, W., Wang, Y., Tian, W., Cui, X., Tu, P., Li, J., ... & Liu, X. (2022). Biosynthesis investigations of terpenoid, alkaloid, and flavonoid antimicrobial agents derived from medicinal plants. *Antibiotics*, 11(10), 1380.

- Husna, F., & Mita, S. R. (2020). Identifikasi bahan kimia obat dalam obat tradisional stamina pria dengan metode kromatografi lapis tipis. *Farmaka*, 18(2), 16-25.
- International Organization for Standardization. (2019). *ISO 20776-1:2019 – Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices — Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases*. Geneva: ISO.
- Iquebal, M. A., Jaiswal, S., Mishra, V. K., Jasrotia, R. S., Angadi, U. B., Singh, B. P., Passari, A. K., Deka, P., Prabha, R., Singh, D. P., Gupta, V. K., Tomar, R. S., Oberoi, H. S., Rai, A., & Kumar, D. (2021). Fungal Genomic Resources for Strain Identification and Diversity Analysis of 1900 Fungal Species. *Journal of Fungi*, 7(4), 288. <https://doi.org/10.3390/jof7040288>
- Jin, Q., Xie, X., Zhai, Y., & Zhang, H. (2023). Mechanisms of folate metabolism-related substances affecting *Staphylococcus aureus* infection. *International Journal of Medical Microbiology*, 313(2), 151577.
- Koraag, A. M. G., Farida, Y., Tarigan, E. B., Efendy, O., Agusta, A., & Simanjuntak, P. (2024). Antioxidant Activity of Bioproduced Endophytic *Fusarium* Sp. HSFP-3 from Sijangkang Plant (*Hornstedtia scyphifera* Var. fusiformis). *Jurnal Fitofarmaka Indonesia*, 11(3), 79-86.
- Kowalska-Krochmal, Beata, and Ruth Dudek-Wicher. (2021). The minimum inhibitory concentration of antibiotics: Methods, interpretation, clinical relevance. *Pathogens* 10.2: 165.
- Kuriakose, G. C., Singh, S., Rajvanshi, P. K., Surin, W. R., & Jayabaskaran, C. (2014). In vitro cytotoxicity and apoptosis induction in human cancer cells by culture extract of an endophytic *Fusarium solani* strain isolated from Datura metel L. *Pharm Anal Acta*, 5(2).
- Lam, J. C., & Stokes, W. (2023). The golden grapes of wrath—*Staphylococcus aureus* bacteremia: a clinical review. *The American Journal of Medicine*, 136(1), 19-26.
- Li, L., Shi, C., Yin, Z., Jia, R., Peng, L., Kang, S., & Li, Z. (2014). Antibacterial activity of α -terpineol may induce morphostructural alterations in *Escherichia coli*. *Brazilian Journal of Microbiology*, 45, 1409-1413.
- Li, Z., Xiong, K., Wen, W., Li, L., & Xu, D. (2023). Functional endophytes regulating plant secondary metabolism: current status, prospects and applications. *International Journal of Molecular Sciences*, 24(2), 1153.
- Lianou, A., Panagou, E. Z., & Nychas, G.-J. E. (2023). Chapter 16 - Meat safety—I foodborne pathogens and other biological issues. In F. Toldrá (Ed.), *Lawrie's meat science*. 9th ed.. 549-590. Woodhead Publishing.

- Lv, C., Leng, J., Qian, M., Sun, B., Ye, H., Li, M., ... & Zhu, Y. (2024). Antimicrobial resistance in *Escherichia coli* and *Staphylococcus aureus* at human-animal interfaces on Chongming Island, Shanghai: A One Health perspective. *One Health*, *19*, 100910.
- Mardiah, I., Setiani, N. A., Baroroh, U., & Mudita, F. F. (2023). Desain Primer Secara In Silico untuk Amplifikasi Fragmen Gen Penghasil Biosurfaktan dari *Staphylococcus epidermidis* Isolat Lokal. In *Prosiding Seminar Nasional Diseminasi Penelitian Volume 3*. 3(1).
- Masoodi, K. Z., Lone, S. M., & Rasool, R. S. (2021). Polymerase chain reaction (PCR). *Advanced Methods in Molecular Biology and Biotechnology*, 109–116.
- Mawarda, A., Samsul, E., & Sastyarina, Y. (2020). Pengaruh berbagai metode ekstraksi dari ekstrak etanol umbi bawang tiwai (*Eleutherine americana* Merr) terhadap rendemen ekstrak dan profil kromatografi lapis tipis. In *Proceeding of Mulawarman Pharmaceuticals Conferences* (Vol. 11, pp. 1-4).
- Mueller, M., & Tainter, C. R. (2023). *Escherichia coli* Infection. In StatPearls. StatPearls Publishing. Available from <https://www.ncbi.nlm.nih.gov/books/NBK564298/> [Diakses : 24 Februari 2025]
- Nasution, N. E. (2023). Pemurnian fraksi ekstrak etil asetat jamur endofit *Aspergillus salwaensis* DTO297C1. *FARMASIS: Jurnal Sains Farmasi*, *4*(1), 7-12.
- National Cancer Institute. (n.d.). *Antimicrobial*. U.S. Department of Health and Human Services. Available from : <https://www.cancer.gov/publications/dictionaries/cancerterms/def/antimicrobial> [Diakses : 12 Okt. 24]
- Nestor, B. J., Bayer, P. E., Fernandez, C. G. T., Edwards, D., & Finnegan, P. M. (2023). Approaches to increase the validity of gene family identification using manual homology search tools. *Genetica*, *151*(6), 325-338.
- Nogueira, J. O. E., Campolina, G. A., Batista, L. R., Alves, E., Caetano, A. R. S., Brandão, R. M., ... & Cardoso, M. D. G. (2021). Mechanism of action of various terpenes and phenylpropanoids against *Escherichia coli* and *Staphylococcus aureus*. *FEMS Microbiology Letters*, *368*(9), fnab052.
- Nurbaiti, N., Roslim, D., & Herman, H. (2025). A DNA Barcoding Multilocus Analysis in the Cucurbitaceae Family. *Jurnal Biologi Tropis*, *25*(2), 1221-1230.
- Oszust, K., Pinzari, F., & Frac, M. (2023). Selection of redox dye and inoculum conditions for the optimisation of respirometric indices in *Verticillium* and *Trichoderma*. *International Agrophysics*, *37*(3).

- Pahil, K. S., Gilman, M. S., Baidin, V., Clairfeuille, T., Mattei, P., Bieniossek, C., ... & Kahne, D. (2024). A new antibiotic traps lipopolysaccharide in its intermembrane transporter. *Nature*, 625(7995), 572-577.
- Peramiarti, I. D. S. A. P., & Hidayat, M. Z. S. (2024). Perbandingan kloramfenikol, eritromisin dan formalin dengan berbagai dosis terhadap penghambatan pertumbuhan *Clostridium perfringens*. *Medical and Health Journal*, 4(1), 52-58.
- Praptiwi, P., Ilyas, M., Palupi, K. D., Fathoni, A., Evana, E., Raunsai, M. M., & Agusta, A. (2021). Rapid screening of antibacterial and antioxidant metabolites from endophytic fungi isolated from *Papuacedrus papuana* by TLC-bioautography. *Jurnal Kimia dan Kemasan*, 43(2), 110-116.
- Praptiwi, P., Palupi, K. D., Fathoni, A., Wulansari, D., Ilyas, M., & Agusta, A. (2016). Evaluation of antibacterial and antioxidant activity of extracts of endophytic fungi isolated from Indonesian Zingiberaceous plants. *Nusantara Bioscience*, 8(2), 306-311.
- Praptiwi, P., Palupi, K. D., Ilyas, M., Marlina, L., & Fathoni, A. (2023). Diversity of endophytic fungi isolated from tree spinach (*Cnidocolus aconitifolius*) (Euphorbiaceae) and their bioactivities. *Biodiversitas Journal of Biological Diversity*, 24(11).
- Praptiwi, P., Wulansari, D., Fathoni, A., Hartono, N., Novita, R., & Agusta, A. (2020). Phytochemical screening, antibacterial and antioxidant assessment of *Leuconotis eugenifolia* leaf extract:-. *Nusantara Bioscience*, 12(1).
- Praptiwi, R. M., Wulansari, D., Fathoni, A., & Agusta, A. (2018). Antibacterial and antioxidant activities of endophytic fungi extracts of medicinal plants from Central Sulawesi. *Journal of Applied Pharmaceutical Science*, 8(08), 069-074.
- Puspita, W. (2023). Identifikasi Senyawa Flavonoid Ekstrak Kental Etanol Daun Suruhan (*Peperomia Pellucida* L. Kunth) dengan Metode Kromatografi Kolom dan Kromatografi Lapis Tipis. *Jurnal Komunitas Farmasi Nasional*, 3(02).
- Rafli, M., Rohmiati, T., Kinasih, A., El Hakim, A., & Semiarti, E. (2022). Potential of *Dendrobium* spp. secondary metabolites as medicinal source for SARS-CoV-2. In *7th International Conference on Biological Science (ICBS 2021)* (pp. 424-430). Atlantis Press.
- Reguengo, L. M., Salgaço, M. K., Sivieri, K., & Júnior, M. R. M. (2022). Agro-industrial by-products: Valuable sources of bioactive compounds. *Food Research International*, 152, 110871.
- Robards, K., & Ryan, D. (2022). Chapter 5-High performance liquid chromatography: Instrumentation and techniques. *Principles and Practice of Modern Chromatographic Methods*, 247-282.

- Rocha, M., & Ferreira, P. G. (2018). Phylogenetic Analysis. *Bioinformatic Algorithms*, 199–220. doi:10.1016/b978-0-12-812520-5.00009-2
- Sagita, N. D., Sopyan, I., & Hadisaputri, Y. E. (2022). Kunir Putih (*Curcuma zedoaria* Rocs.): Formulasi, Kandungan Kimia dan Aktivitas Biologi. *Majalah Farmasetika*, 7(3), 189.
- Salsabila, L. L. L. A., Syamsu, R. F., Utami, D. F., Sodikah, Y., & Anggita, D. (2024). Uji Aktivitas Antibakteri Ekstrak Buah Tin (*Ficus carica* L.) Terhadap Bakteri *Streptococcus pneumoniae*. *Jurnal Ilmiah Universitas Batanghari Jambi*, 24(2), 973-979.
- Sapar, A., Millenia, M., Aritonang, A. B., Rudiyansyah, R., & Rahmalia, W. (2023). Characterization of Secondary Metabolites and Cytotoxic Assay of *Haliclona* sp. Sponge Against T47D Breast Cancer Cells. *al Kimiya: Jurnal Ilmu Kimia dan Terapan*, 10(1), 40-49.
- Septiana, E., Sukarno, N., & Simanjuntak, P. (2017). Endophytic fungi associated with turmeric (*Curcuma longa* L.) can inhibit histamine-forming bacteria in fish. *HAYATI Journal of Biosciences*, 24(1), 46-52.
- Subandrate, S., Sinulingga, S., Adma, A. C., Monanda, M. D. A., Fatmawati, F., Safyudin, S., & Oswari, L. D. (2023). Effect of solvent polarity on secondary metabolite content and α -glucosidase enzyme IC50 of *Dendrophthoe pentandra* (L). Miq leaves extract. *Jurnal Ilmu Kefarmasian Indonesia*, 22(1), 1-7.
- 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.
- Suhardi, R. E., Fajri, H., Aditya, A. P., Vallahayil, F. A., Nawawi, H. H., Laut, B., & Tenggara, K. P. (2024). Phylogenetic Analysis of the Dipterocarpaceae Family in the Peatland Vegetation of Danau Sentarum National Park Using In Silico Approaches Based on MatK Sequences. *Indonesian Journal of Biotechnology and Biodiversity*, 8(3), 114-126.
- Syamsir, D. R., Sivasothy, Y., Hazni, H., Abdul Malek, S. N., Nagoor, N. H., Ibrahim, H., & Awang, K. (2017). Chemical constituents and evaluation of cytotoxic activities of *Curcuma zedoaria* (Christm.) roscoe oils from malaysia and indonesia. *Journal of Essential Oil Bearing Plants*, 20(4), 972-982.
- Taylor, T.A. & Unakal, C.G. (2023) '*Staphylococcus aureus* infection', *StatPearls*. Available from <https://www.ncbi.nlm.nih.gov/books/NBK441868> (Diakses: [16 Mei. 25]).
- Vaou, N., Stavropoulou, E., Voidarou, C., Tsakris, Z., Rozos, G., Tsigalou, C., & Bezirtzoglou, E. (2022). Interactions between medical plant-derived

- bioactive compounds: Focus on antimicrobial combination effects. *Antibiotics*, 11(8), 1014.
- Vásquez-Reyes, S., Velázquez-Villegas, L. A., Vargas-Castillo, A., Noriega, L. G., Torres, N., & Tovar, A. R. (2021). Dietary bioactive compounds as modulators of mitochondrial function. *The Journal of Nutritional Biochemistry*, 96, 108768.
- Veloso, J., & Díaz, J. (2021). The non-pathogenic *Fusarium oxysporum* Fo47 induces distinct responses in two closely related Solanaceae plants against the pathogen *Verticillium dahliae*. *Journal of Fungi*, 7(5), 344.
- Winantoro, F. A., Ratnawati, D. E., & Anam, S. (2021). Klasifikasi Fungsi Senyawa Aktif berdasarkan Notasi Simplified Molecular Input Line Entry System (SMILES) menggunakan Metode Random Forest. *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 5(4), 1250-1256.
- Wojtasik, W., Dymińska, L., Hanuza, J., Burgberger, M., Boba, A., Szopa, J., ... & Mierziak, J. (2024). Endophytic non-pathogenic *Fusarium oxysporum* reorganizes the cell wall in flax seedlings. *Frontiers in Plant Science*, 15, 1352105.
- World Health Organization. (2022). *Global antimicrobial resistance and use surveillance system (GLASS) report 2022: The impact of antimicrobial resistance on the human health and global response*. World Health Organization. <https://www.who.int/publications/i/item/9789240062702> (Diakses: [26 Okt. 24])
- Zamriyetti, Z., Refnizuida, R., Siregar, M., & Lubis, A. R. (2021). Pemanfaatan Kunyit Putih (*Curcuma Alba*) Sebagai Tanaman Obat Keluarga Di Desa Kelambir V Kebun. *Jurnal Pemberdayaan Sosial dan Teknologi Masyarakat*, 1(1), 89-94.
- Zhao, L., Liu, Y., Sun, H., Li, Y., Pachaiyappan, S. K., Fang, X., ... & He, M. (2023). Metabolomics-guided identification of compounds with antibacterial and antioxidant activities from *Polygonatum sibiricum*-derived endophytic fungi. *Beni-Suef University Journal of Basic and Applied Sciences*, 12(1), 58.