

DAFTAR PUSTAKA

- Adelaide, L. N., Waworuntu, O. A., & Rares, E. S. (2025). Identifikasi *Methicillin-Resistant Staphylococcus aureus* pada Tenaga Kesehatan di Intensive Care Unit dan Instalasi Gawat Darurat RSUD GMIM Pancaran Kasih Manado. *Syntax Admiration*, 6(1), 698–705.
- Akmalia, H., Ridwan, A., & Zulfitri. (2020). Daya Hambat Ekstrak Etanol Daun Ubi Kayu (*Manihot esculenta Crantz*) Varietas Mentega Terhadap *Methicilin-Resistant Staphylococcus aureus* (MRSA) Secara in Vitro. *Jurnal Kedokteran Nanggro Medika*, 3(3), 11–12.
- Alouw, G. E., & Lebang, J. S. (2022). Antibacterial Activity Test Of Ethanol Extraction From Jamaican Cherry Leaves (*Muntingia Calabura L.*) On *Staphylococcus Aureus* And *Pseudomonas Aeruginosa* Bacteria Using Well Diffusion Method. *Pharmacy Medical Journal*, 5(1), 36–44.
- Alydrus, N. L., & Khofifah, N. (2022). Efektifitas Antibakteri Ekstrak Daun Sirih Hijau (*Piper Betle L*) Terhadap *Staphylococcus Aureus*. *Indonesian Health Journal*, 1(1), 56–61.
- Amran A. (2020). Mikropropagasi Murbei (*Morus Nigra Linn.*) Melalui Eksplan Pucuk Secara In Vitro Pada Berbagai Kombinasi Zpt. *Skripsi*. UNIVERSITAS HASANUDDIN.
- Andini, A., & Putri, C. F. (2021). Standardization of Mango (*Mangifera Indica L.*) Peel Simplisia of Gadung Variety. *Jurnal Kefarmasian Dan Gizi*, 1(1), 1–8. <https://doi.org/10.54445/pharmadematica.v1i1.2>
- Asri, M., & Mega, R. (2019). Daya Antibakteri Sediaan Gel Ekstrak Etanol Daun Murbei (*Morus Alba L.*) Sebagai Obat Luka Pada Kulit Terhadap *Staphylococcus aureus*. *Jurnal Riset Kefarmasian Indonesia*, 1(2), 123–130.
- Bian, X., Qu, X., Zhang, J., Nang, S. C., Bergen, P. J., Tony. Zhou, Q., Chan, H. K., Feng, M., & Li, J. (2022). Pharmacokinetics and pharmacodynamics of peptide antibiotics. *Advanced Drug Delivery Reviews*, 10(1), 1–68. <https://doi.org/10.1016/j.addr.2022.114171>

- Budiman, A., Aulifa, D. L., Kusuma, A. S. W., & Sulastri, A. (2017). Antibacterial and Antioxidant Activity of Black Mulberry (*Morus nigra L.*) Extract for Acne Treatment. *Pharmacognosy Journal*, 9(5), 611–614. <https://doi.org/10.5530/pj.2017.5.97>
- Cartes-Velásquez, R., Morales-León, F., Valdebenito-Maturana, F., Sáez-Riquelme, P., Rodríguez-Ortíz, N., & Carrillo-Bestagno, H. (2025). Structural Innovations in Vancomycin: Overcoming Resistance and Expanding the Antibacterial Spectrum. *Journal Organics*, 6(3), 1–16. <https://doi.org/10.3390/org6030028>
- Chandra Purnama, Y. H. (2022). Identifikasi Senyawa Kimia Pada Ekstrak Daun Murbei (*Morus Alba.L.*). *Scientific Proceedings of Islamic and Complementary Medicine*, 1(1), 135–138. <https://doi.org/10.55116/spicm.v1i1.16>
- Dewi R, & Hastuti N. (2017). Potensi Senyawa Kimia Daun Murbei (*Morus albavar Kanva-2*) Sebagai Antibakteri dan Antioksidan. *Jurnal Seminar Nasional*, 1(5), 1–16.
- Dhita Shafira, A., Sari Lubis, M., Indrayani Dalimunthe, G., & Putri Mambang, De. (2023). Perbandingan Daya Hambat Terhadap Pertumbuhan Bakteri *Staphylococcus Epidermidis* Antara Serbuk Simplisia Kulit Daun & Daging Daun Lidah Buaya (*Aloe Vera(L.)Burm.F*). *Jurnal Farmasi, Sains Dan Kesehatan*, 3(1), 71–77.
- Erarslan, Z. B., Karagöz, S., & Kültür, Ş. (2021). Comparative morphological and anatomical studies on morus species (*Moraceae*) in turkey. *Turkish Journal of Pharmaceutical Sciences*, 18(2), 157–166. <https://doi.org/10.4274/tjps.galenos.2020.02779>
- Erlin, E., Rahmat, A., Redjeki, S., & Purwianingsih, W. (2020). Deteksi *Methicilin Resistant Staphylococcus aureus* (MRSA) Sebagai Penyebab Infeksi Nosokomial Pada Alat-Alat di Ruang Perawatan Bedah. *Quagga: Jurnal Pendidikan Dan Biologi*, 12(2), 137–144. <https://doi.org/10.25134/quagga.v12i2.2671>
- Farihatul Uzma, S., Anam, K., & Utami, W. (2023). Uji Aktivitas Antibakteri Ekstrak Etanol Kulit Singkong (*Manihot Esculenta Crantz*) Terhadap *Staphylococcus epidermidis*. *Journal of Research in Pharmacy*, 3(2), 100–111.
- Febrianti, T., & Conny Riana Tjampakasari. (2024). Inhibition Of *Methicillin-Resistant Staphylococcus Aureus* (MRSA) Biofilm: The Essential Role And Potential Usage

- Of Bacteriocins. *Journal of Vocational Health Studies*, 8(1), 68–77.
<https://doi.org/10.20473/jvhs.V8.I1.2024.68-77>
- Fri, J., Njom, H. A., Ateba, C. N., & Ndip, R. N. (2020). Antibiotic Resistance and Virulence Gene Characteristics of *Methicillin-Resistant Staphylococcus aureus* (MRSA) Isolated from Healthy Edible Marine Fish. *International Journal of Microbiology*, 2(20), 1–9. <https://doi.org/10.1155/2020/9803903>
- Gede, I., Sastrawan, G., Nengah, N., Fatmawati, D., Budayanti, N. S., & Darwinata, A. E. (2020). Uji Daya Hambat Ekstrak Etanol 96% Daun Gamal (*Gliricidia Sepium*) Terhadap Bakteri *Methicillin Resistant Staphylococcus aureus* (MRSA) ATCC 3351. *Jurnal Medika Udayana*, 9(7), 1–6.
<https://www.researchgate.net/publication/344397350>
- Hakim, R. I., Wilson, W., & Darmawati, S. (2019). Uji Aktivitas Antibakteri Ekstrak Ethanol Daun Kayu Putih (*Melaleuca leucadendron L.*) terhadap Pertumbuhan *Methicillin Resistant Staphylococcus aureus* (MRSA). *Nasional Unimus*, 2(1), 109–115. <http://prosiding.unimus.ac.id>
- Handoyono, L. Y., & Diana S. (2020). Pengaruh Lama Waktu Maserasi (Perendaman) Terhadap Kekentalan Ekstrak Daun Sirih (*Piper Betle*). *Jurnal Farmasi Tinctura*, 2(1), 34–41.
- Hasanah, N., & Novian, D. R. (2020). Analisis Ekstrak Etanol Buah Labu Kuning (*Cucurbita Moschata D.*). *Journal Poltek Tegal*, 9(1), 54–59.
<http://ejournal.poltektegal.ac.id/index.php/parape>
- Hussain, F., Rana, Z., Shafique, H., Malik, A., & Hussain, Z. (2017). Phytopharmacological potential of different species of *Morus alba* and their bioactive phytochemicals: A review. *Asian Pacific Journal of Tropical Biomedicine*, 7(10), 950–956. <https://doi.org/10.1016/j.apjtb.2017.09.015>
- Idawati, R., Suliati, S., Lully, S., Endarini, H., Pestariati, S (2025). Analisis Bakteri *Methicillin Resistant Staphylococcus aureus* (MRSA) pada Pus Infeksi Nosokomial Pasien Pasca Operasi. *Jurnal Sains Student Research*, 3(4), 1015–1021.
<https://doi.org/10.61722/jssr.v3i4.5984>
- Irshad, A., Jawad, R., Mushtaq, Q., Spalletta, A., Martin, P., & Ishtiaq, U. (2025). Determination of antibacterial and antioxidant potential of organic crude extracts

- from *Malus domestica*, *Cinnamomum verum* and *Trachyspermum ammi*. *Scientific Reports*, 15(1), 1–2. <https://doi.org/10.1038/s41598-024-83506-0>
- James, A., Wang, K., Chen, Y., & Wang, Y. (2024). Functional benefits of mulberry leaf tea or extracts to alleviate metabolic diseases: Current opinion and perspectives. *Jurnal Food Bioscience*, 59(8), 104–121. <https://doi.org/10.1016/j.fbio.2024.104218>
- Jeffres, M. N. (2017). The Whole Price of Vancomycin: Toxicities, Troughs, and Time. *Journal Drugs*, 77(11), 1143–1154. <https://doi.org/10.1007/s40265-017-0764-7>
- Kadeřábková, N., Mahmood, A. J. S., & Mavridou, D. A. I. (2024). Antibiotic susceptibility testing using minimum inhibitory concentration (MIC) assays. *Npj Antimicrobials and Resistance*, 2(1), 1–9. <https://doi.org/10.1038/s44259-024-00051-6>
- Kemenkes RI. (2017). *FARMAKOPE HERBAL INDONESIA Edisi II* (Kementrian Kesehatan RI, Ed.; II), 319 - 323
- Kemenkes RI. (2020). *FARMAKOPE INDONESIA Edisi VI* (Kementrian Kesehatan Republik Indonesia, Ed.; VI).
- Kusuma Wardani, A., Fitriana, Y., & Malfadinata, S. (2020). Uji Aktivitas Antibakteri Penyebab Jerawat *Staphylococcus epidermidis* Menggunakan Ekstrak Daun Ashitaba (*Angelica keiskei*). *Jurnal Ilmu Kefarmasian*, 1(1), 14–19.
- Latifah, A., Setiana Andarwulan, Septi Ardiyanti, & Miftahul Hakiki. (2024). Test the Effectiveness of Mulberry Leaf Extract (*Morus Nigra*) Against the Inhibitory Power of *Pseudomonas Sp.* *PROFESSIONAL HEALTH JOURNAL*, 6(1), 358–364. <https://doi.org/10.54832/phj.v6i1.827>
- Lestari, P. D., Saloko, S., & Cicilia, S. (2024). Pengaruh Lama Pengeringan Terhadap Aktivitas Antioksidan Dan Mutu Teh Daun Murbei Hitam (*Morus nigra*). *Jurnal EduFood*, 2(1), 1–10.
- Liza Najiya, U., & Hidayat, A. (2022). Aktivitas Antibakteri Ekstrak Akar Jeruk Nipis (*Citrus Aurantifolia*) Terhadap Bakteri *Staphylococcus Aureus* Dan *Escherichia Coli* Dengan Metode Dilusi. *Jurnal Kajian Ilmiah Kesehatan Dan Teknologi*, 10(22), 43–53.

- Lubis, M. S., Meilani, D., Yuniarti, R., Indrayani, G., Muslim, U., & Al-Washliyah, N. (2019). Pkm Penyuluhan Penggunaan Antibiotik Kepada Masyarakat Desa Tembung Dalimunthe. *Jurnal Pengabdian Kepada Masyarakat*, 3(1), 297–301.
- Manzoor, S., & Qayoom, K. (2024). Environmental Importance of Mulberry: A Review. *Journal of Experimental Agriculture International*, 46(8), 95–105. <https://doi.org/10.9734/jeai/2024/v46i82681>
- Martins, M. S., Gonçalves, A. C., Alves, G., & Silva, L. R. (2023). Blackberries and Mulberries: Berries with Significant Health-Promoting Properties. *International Journal of Molecular Sciences*, 24(15), 1–34. <https://doi.org/10.3390/ijms241512024>
- Mcguinness, W. A., Malachowa, N., & Deleo, F. R. (2017). Vancomycin Resistance in *Staphylococcus aureus*. *Yale Journal Of Biology And Medicine*, 90(30), 269–281.
- Miao, Y. H., Hu, Y. H., Yang, J., Liu, T., Sun, J., & Wang, X. J. (2019). Natural source, bioactivity and synthesis of benzofuran derivatives. *RSC Advances*, 9(47), 27510–27540. <https://doi.org/10.1039/c9ra04917g>
- Nuryah, A., Yuniarti, N., & Puspitasari, I. (2019). Prevalensi dan Evaluasi Kesesuaian Penggunaan Antibiotik pada Pasien dengan Infeksi *Methicillin Resistant Staphylococcus Aureus* di RSUP Dr. Soeradji Tirtonegoro Klaten. *Jurnal Farmaseutik*, 15(2), 123–129. <https://doi.org/10.22146/farmaseutik.v15i2.47911>
- Ondusko, D. S., & Nolt, D. (2018). *Staphylococcus aureus*. *Journal Pediatric*, 39(6), 287–298. <https://doi.org/10.1542/pir.2017-0224>
- Pagalla, D. B. (2024). *EKSTRAKSI BAHAN ALAM*. CV. Gita Lentera Redaksi : Padang. 1-172
- Prasetiawati, R., Afriani, R., Permana, B., & Lubis, N. (2023). Anti Breast Cancer Virtual Screening From Active Compound Of Black Mulberry Root (*Morus Nigra L.*) Article History. *Jurnal Ilmiah Farmako Bahari*, 14(1), 13–25.
- Rafique, H., Hussain, N., Saeed, M. U., Iqbal, H. M. N., Azim, G., & Bilal, M. (2022). Linezolid-resistance *Staphylococcus aureus* - Prevalence, Emerging Resistance

- Mechanisms, Challenges and Perspectives. *Journal of Pure and Applied Microbiology*, 16(3), 1492–1505. <https://doi.org/10.22207/JPAM.16.3.44>
- Rahmah Nadilla Sofa. (2020). Profil Multidrug Resistant Organism (Mdro) Pada Kasus Pneumonia: Systematic Literature Review. *Skripsi*. UNIVERSITAS ISLAM SYARIF HIDAYATULLAH JAKARTA.
- Rahman, H., Lestari, U., Studi Farmasi, P., Sains dan Teknologi, F., & Jambi, U. (2020). Ppm Pemberdayaan Masyarakat Dalam Pengolahan Tanaman Obat Sebagai Obat Tradisional Di Desa Mendalo Indah Jambi Luar Kota. *Jurnal Pengabdian Masyarakat Berkemajuan*, 4(1), 274–277.
- Razdan, M. K. ., & Thomas, T. Dennis. (2021). *Mulberry : Genetic Improvement in Context of Climate Change*. CRC Press : India. 1-86
- Riwanti, P., & Izazih, F. (2020). Artikel Penelitian Pengaruh Perbedaan Konsentrasi Etanol pada Kadar Flavonoid Total Ekstrak Etanol 50,70 dan 96% *Sargassum polycystum* dari Madura. *J-PhAM Journal of Pharmaceutical Care Anwar Medika*, 82(2), 2654–8364.
- Sambode, Y. C., Simbala, H. E. I., & Rumondor, E. M. (2022). Penentuan Skrining Fitokimia, Parameter Spesifik Dan Non Spesifik Ekstrak Umbi Bawang Hutan (*Eleutherine americana* M). *Jurnal Pharmacon*, 11(2), 1389–1394.
- Santy, P., Zainiati, B. L., Muttaqin, Z., Desy Puspita, F., & Arman, R. (2021). Deteksi *Metichilin Resistance Staphylococcus Aureus* (MRSA). *Jurnal Analis Medika Biosains*, 8(1), 7–12.
- Saputri, W. (2020). Preferensi Dan Beberapa Aspek Biologi Bombyx Mori L. Dengan Pakan Buatan Berbahan Campuran Moringa Oleifera. *Skripsi*. UNIVERSITAS HASANUDDIN MAKASSAR.
- Spinelli, E., Requena, T., Caruso, M., Parisi, A., Capozzi, L., Difato, L., & Normanno, G. (2020). Fate of *Methicillin-resistant Staphylococcus aureus* (MRSA) under simulated acidic conditions of the human stomach. *Food Science and Nutrition*, 8(9), 4739–4745. <https://doi.org/10.1002/fsn3.1698>
- Stewart, J. J., Jorgensen, S. C., Dresser, L., Lau, T. T., Gin, A., Thirion, D. J., Nishi, C., & Dalton, B. (2021). A canadian perspective on the revised 2020 ashp-idsa-pids-

- sidp guidelines for vancomycin auc-based therapeutic drug monitoring for serious mrsa infections. *Journal of the Association of Medical Microbiology and Infectious Disease Canada*, 6(1), 3–9. <https://doi.org/10.3138/jammi-2020-0028>
- Strianti Oktari, A., Nurrahman, A., Mekia Rahmayanti, B., Sunarwidhi, A., & Mataram, U. (2025). Review: Metode-Metode Ekstraksi. *Sci-Tech Journal*, 4(1), 17–28.
- Sugireng, & Rosdarni. (2020). Deteksi MRSA (*Methicilin Resistant Staphylococcus aureus*) dengan Metode PCR Pada Pasien Ulkus Diabetikum. *Jurnal Uin Alauddin*, 4(2), 31–35. <http://journal.uin-alauddin.ac.id/index.php/psb/>
- Suryani, A. I., Purnama Shantyoga, N. P. I., & Eka Desriati, N. L. (2024). Potensi Variasi Konsentrasi Cera flava dan Vaseline album sebagai Basis Salep Ekstrak Daun Murbei (*Morus alba L.*). *Journal Syifa Sciences and Clinical Research*, 6(3), 301–311. <https://doi.org/10.37311/jsscr.v6i3.29327>
- Uyak, C., Aglar, E., Ozturk, B., Doğan, A., & Tekin, O. (2024). Biochemical characterization of mulberry (*Morus spp.*) genotypes from the Türkiye (Hizan, Bitlis): A comprehensive analysis of fruit properties and bioactive compounds. *Food Science and Nutrition*, 12(9), 6425–6441. <https://doi.org/10.1002/fsn3.4255>
- Vesely, O., Marsik, P., Jarosova, V., Doskocil, I., Smejkal, K., Kloucek, P., & Havlik, J. (2021). Metabolism of selected 2-arylbenzofurans in a colon in vitro model system. *Jurnal Foods MDPI*, 10(11), 1–11. <https://doi.org/10.3390/foods10112754>
- Winato, B. M., Sanjaya, E., Siregar, L., Fau, S. K. Y. M. V., & Mutia, Dr. M. S. (2019). Uji Aktivitas Antibakteri Ekstrak Daun Serai Wangi (*Cymbopogon Nardus*) Terhadap Bakteri *Propionibacterium Acnes*. *BIOLINK (Jurnal Biologi Lingkungan Industri Kesehatan)*, 6(1), 50–58. <https://doi.org/10.31289/biolink.v6i1.2210>
- Wirjatmadja, R., Kurniasari, P. N. I., Wibisono, F. J., & Kurnianto, A. (2022). Efektivitas Antibakteri Ekstrak Daun Sisik Naga (*Drymoglossum piloselloides*) terhadap Bakteri MRSA (*Methicilin Resistant Staphylococcus Aureus*) dan *Eschericia coli*. *VITEK : Bidang Kedokteran Hewan*, 12(2), 26–35. <https://doi.org/10.30742/jv.v12i2.112>
- Yadav, S., Nair, N., Biharee, A., Prathap, V. M., & Majeed, J. (2022). Updated ethnobotanical notes, phytochemistry and phytopharmacology of plants belonging

- to the genus *Morus* (Family: *Moraceae*). *Jurnal Science Direct Phytomedicine Plus*, 2(1), 1–13. <https://doi.org/10.1016/j.phyplu.2021.100120>
- Yao, Z., Wu, Y., Xu, H., Lei, Y., Long, W., Li, M., Gu, Y., Jiang, Z., & Cao, C. (2023). Prevalence and clinical characteristics of *methicillin-resistant Staphylococcus aureus* infections among dermatology inpatients: A 7-year retrospective study at a tertiary care center in southwest China. *Jurnal Frontiers in Public Health*, 11(3), 1–14. <https://doi.org/10.3389/fpubh.2023.1124930>
- Yuniati, Y. (2023). Studi Pustaka : Ekstraksi dan Potensi Utilitasasi Ekstrak Komponen Bioaktif Tanaman Murbei di Indonesia. *Bioscientist : Jurnal Ilmiah Biologi*, 11(2), 1775–1786. <https://doi.org/10.33394/bioscientist.v11i2.9406>
- Yunita, E., & Khodijah, Z. (2020). Pengaruh Konsentrasi Pelarut Etanol saat Maserasi terhadap Kadar Kuersetin Ekstrak Daun Asam Jawa (*Tamarindus indica L.*) secara Spektrofotometri UV-Vis. *Pharmaceutical Journal of Indonesia*, 17(02), 273–280.
- Zenginbal, H., Eşitken, A., Zenginbal, H., Eşitken, A., & Sci Pol, A. (2016). Effects Of The Application Of Various Substances And Grafting Methods On The Grafting Success And Growth Of Black Mulberry (*Morus nigra L.*). *Acta Sci. Pol. Hortorum Cultus*, 15(4), 99–109.
- Zhu, Y.-Y., Wang, Z.-J., Zhu, M., Zhou, Z.-S., Hu, B.-Y., Wei, M.-Z., Zhao, Y.-L., Dai, Z., & Luo, X.-D. (2024). A dual mechanism with H₂S inhibition and membrane damage of morusin from *Morus alba Linn.* against MDR-MRSA. *Bioorganic & Medicinal Chemistry*, 97(1), 117–135. <https://doi.org/10.1016/j.bmc.2023.117544>