

DAFTAR PUSTAKA

- Amaliyah, S., Sabarudin, A., Masruri, M., & Sumitro, S. B. (2022). Characterization and antibacterial application of biosynthesized silver nanoparticles using Piper retrofractum Vahl fruit extract as bioreductor. *Journal of Applied Pharmaceutical Science*, 12(3), 103–114. <https://doi.org/10.7324/JAPS.2022.120311>
- Anarkhis, N., Prajitno, A., Maftuch, M., & Karimah, K. (2023). Activity Test of Antibacterial Compounds of Aloe Vera Extract Against Edwardsiella Tarda Bacterial Infection in Vitro (technique). *Jurnal Penelitian Pendidikan IPA*, 9(2), 563–567. <https://doi.org/10.29303/jppipa.v9i2.2610>
- Andasari, S. D., Mustofa, C. H., & Arabela, E. O. (2021). Standarisasi Parameter Spesifik Dan Non Spesifik Ekstrak Etil Asetat Daun Beluntas (*Pluchea indica* L.). *Cerata Jurnal Ilmu Farmasi*, 12(1), 47–53. <https://doi.org/10.61902/cerata.v12i1.252>
- Badaring, D. R., Sari, S. P. M., Nurhabiba, S., Wulan, W., & Lembang, S. A. R. (2020). Uji Ekstrak Daun Maja (*Aegle marmelos* L.) terhadap Pertumbuhan Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *Indonesian Journal of Fundamental Sciences*, 6(1), 16. <https://doi.org/10.26858/ijfs.v6i1.13941>
- Balouiri, M., Sadiki, M., & Ibsouda, S. K. (2016). Methods for in vitro evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*, 6(2), 71–79. <https://doi.org/10.1016/j.jpha.2015.11.005>
- Brahim Belhaouari, D., Fontanini, A., Baudoin, J. P., Haddad, G., Le Bideau, M., Bou Khalil, J. Y., Raoult, D., & La Scola, B. (2020). The Strengths of Scanning Electron Microscopy in Deciphering SARS-CoV-2 Infectious Cycle. *Frontiers in Microbiology*, 11, 1–11. <https://doi.org/10.3389/fmicb.2020.02014>
- Chan, E. W. C., Ng, Y. K., Wong, S. K., & Chan, H. T. (2022). *Pluchea indica*: An updated review of its botany, uses, bioactive compounds and pharmacological properties. *Pharmaceutical Sciences Asia*, 49(1), 77–85. <https://doi.org/10.29090/PSA.2022.01.21.113>
- [CLSI] Clinical and Laboratory Standards Institute. 2020. Performance Standards for Antimicrobial Susceptibility Testing. 30th ed. Pennsylvania: Clinical and Laboratory Standards Institute. DOI:10.1128/jcm.00213-21
- Depkes, R. I. (2017). Farmakope Herbal Indonesia Edisi II 2017. Kementrian Kesehatan Republik Indonesia.
- DiPiro, J. T., Schwinghammer, T. L. and Ellingrod, V. L. (2020) Pharmacotherapy: A Pathophysiologic Approach, Eleventh Edition. 11th edn. New York: McGraw Hil

- Fachrully S, A., Erna S, N., & Susilo. (2021). Analisis Citra Hasil Scanning Electron Microscopy Energy Dispersive X-Ray (SEM EDX) Komposit Resin Timbal dengan Metode Contrast to Noise Ratio (CNR). *Indonesian Journal of Mathematics and Natural Sciences*, 44(2), 81–85. <http://journal.unnes.ac.id/nju/index.php/JM>
- Farooq, S., Nissa, M. U., Saba, N. U., Iqbal, M., Nisa, I., Ullah, M., Jamal, M., Qayum, N., Shah, D. A., Siddiqui, M. G., Khan, A., & Khan, F. (2023). Evaluation of Penicillins minimum inhibitory concentration against clinically isolated *Streptococcus pyogenes*. *International Journal of Health Sciences*, 7(S1), 2673–2685. <https://doi.org/10.53730/ijhs.v7ns1.14564>
- Faturrahman, Sukiman, Fajar, B., Sarkono, & Hidayati, E. (2021). Perbandingan Aktivitas Antimikroba Ekstrak Etanol dari Tiga Spesies Ganoderma Asal Pulau Lombok Comparison of Antimicrobial Activities of Ethanol Extract from Three Species of Ganoderma Original Lombok Island. *Sains Teknologi & Lingkungan*, 7(2), 160–172.
- Henry K Setiawan, S. W. (2023). Profil Morfologi dan Anatomi Dari Daun Beluntas (*Pluchea Indica*) Serta Perbedaan Profil Kandungan Kimia Dari Daun Beluntas Pada Kondisi Geografis Yang Berbeda. *Jurnal Tumbuhan Obat Indonesia*, 16(2), 71–84.
- Herman, H., Sunarni, T., & Saptarini, O. (2024). Uji Aktivitas Antibakteri dan Antibiofilm Fraksi Ekstrak Daun Gamal (*Gliricidia Sepium* (Jacq Walp)) Terhadap *Staphylococcus Aureus* ATCC 25923. *Jurnal Mandala Pharmacon Indonesia*, 10(1), 314–327. <https://doi.org/10.35311/jmpi.v10i1.484>
- Hussein, E. F. (2024). Detection and Antibiotic Susceptibility Patterns of *Staphylococcus aureus*, *Streptococcus pyogenes* and *Streptococcus spp.* Isolated from Sputum of Patients with Respiratory Tract Infections. *Journal of Communicable Diseases*, 56(1), 50–56. <https://doi.org/10.24321/0019.5138.202409>
- Karlina, V. R., & Nasution, H. M. (2022). Skrining Fitokimia Dan Uji Aktivitas Antibakteri Ekstrak Etanol Daun Jeruk Purut (*Citrus hystrix* DC) Terhadap Bakteri *Staphylococcus Aureus* Dan *Escherichia Coli*. *Journal of Health and Medical Science*, 1(2), 132–139. <https://pusdikra-publishing.com/index.php/jkes/home>
- Kemenkes RI. Survei Kesehatan Indonesia (SKI) Tahun 2023. Jakarta: Kementerian Kesehatan Republik Indonesia
- Kowalska-Krochmal, B., & Dudek-Wicher, R. (2021). The minimum inhibitory concentration of antibiotics: Methods, interpretation, clinical relevance. *Pathogens*, 10(2), 1–21. <https://doi.org/10.3390/pathogens10020165>
- Lacey, J. A., Bennett, J., James, T. B., Hines, B. S., Chen, T., Lee, D., Sika-Paotonu, D., Anderson, A., Harwood, M., Tong, S. Y. C., Baker, M. G., Williamson, D. A., & Moreland, N. J. (2024). A worldwide population of *Streptococcus pyogenes* strains circulating among school-aged children in Auckland, New Zealand: a genomic

- epidemiology analysis. *The Lancet Regional Health - Western Pacific*, 42, 100964. <https://doi.org/10.1016/j.lanwpc.2023.100964>
- Lestari, I. D., Praharani, D., Gunadi, A., Barid, I., Indahyani, D. E., & Probosari, N. (2023). Potensi Bahan Cetak Ekstrak Natrium Alginat Rumput Laut Merah (*Kappaphycus alvarezii*) Dalam Menghambat Pertumbuhan *Streptococcus mutans*. *B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah*, 10(1), 72–78. <https://doi.org/10.33854/jbd.v10i1.1120>
- Manaia, C. M., Aga, D. S., Cytryn, E., Gaze, W. H., Graham, D. W., Guo, J., Leonard, A. F. C., Li, L., Murray, A. K., Nunes, O. C., Rodriguez-Mozaz, S., Topp, E., & Zhang, T. (2024). The Complex Interplay Between Antibiotic Resistance and Pharmaceutical and Personal Care Products in the Environment. *Environmental Toxicology and Chemistry*, 43(3), 637–652. <https://doi.org/10.1002/etc.5555>
- Maryam, F., Taebe, B., & Toding, D. P. (2020). Pengukuran Parameter Spesifik Dan Non Spesifik Ekstrak Etanol Daun Matoa (*Pometia pinnata* J.R & G.Forst). *Jurnal Mandala Pharmacon Indonesia*, 6(01), 1–12. <https://doi.org/10.35311/jmpi.v6i01.39>
- Mulqi, K. R., Silvia, E., Husna, I., & Hamzah, M. S. (2022). Antibiotic Effectiveness Of Benzoyl Peroxide Against Propionibacterium Acnes Bacteria With Diffusion Method In Patients Of Acne Vulgaris. In *Medical Profession Journal of Lampung* (Vol. 12, Issue 2, pp. 206–211). <https://journalofmedula.com/index.php/medula/article/view/350>
- Murray, P. R., & Rosenthal, K. S. (2021). *Medical Microbiology*. 9th Edition. Elsevier
- Naghavi, M., Emil Vollset, S., Ikuta, K. S., Swetschinski, L. R., Gray, A. P., Wool, E. E., Robles Aguilar, G., Mestrovic, T., Smith, G., Han, C., Hsu, R. L., Chalek, J., Araki, D. T., Chung, E., Raggi, C., Gershberg Hayoon, A., Davis Weaver, N., Lindstedt, P. A., Smith, A. E., ... Resistance Collaborators, A. (2024). Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050. *The Lancet*, 1–28. [https://doi.org/10.1016/S0140-6736\(24\)01867-1](https://doi.org/10.1016/S0140-6736(24)01867-1)
- Nisa, K., Hakim, A. R., & Noval. (2023). Penetapan Parameter Spesifik Daun Beluntas (*Pluchea indica* L) Asal Kalimantan Selatan. *Jurnal Farmasi SYIFA*, 1(2), 106–109. <https://doi.org/10.63004/jfs.v1i2.406>
- Nor, I., Rahmita, S., Nashihah, S., Syarkawi, J. G., Bakti, H., & Selatan, K. (2022). Potensi Antibakteri Ekstrak Etanol Daun Beluntas (*Pluchea Indica* L.) Terhadap Bakteri *Staphylococcus Epidermidis* Antibacterial Potential Of Beluntas Leaf (*Pluchea Indica* L.) Ethanol Extract Against *Staphylococcus Epidermidis* Bacteria. *Medical Sains : Jurnal Ilmiah Kefarmasian*, 7(4), 725–734.
- Nurjannah, I., Mustariani, A. B. A., & Suryani, N. (2022). Skrining Fitokimia Pada Ekstrak Etanol Temulawak (*Curcumin Xanthorrhiza Roxb.*) Spin Jurnal Kimia &

- Pendidikan Kimia Skrining Fitokimia Dan Uji Antibakteri Ekstrak Kombinasi Daun Jeruk Purut (*Citrus hystrix*) Dan Kelor (*Moringa oleifera* L.) Sebagai Zat Aktif. *SPIN: Jurnal Kimia Dan Pendidikan Kimia*, 4(1), 23–36. <https://doi.org/10.20414/spin.v4i1.4801>
- Nurrohman dkk. (2021). Ekstrak Daun Beluntas (*Pluchea indica*) sebagai Antibakteri *Streptococcus mutans* ATCC 25175 Penyebab Karies Gigi. *Jurnal Pendidikan Biologi*, 12(3), 146–157.
- Octaviani, L., Cahyani, E. D., & Indriasari, C. (2025). Perbandingan Kadar Flavonoid Total Ekstrak Etanol 70% Dan Ekstrak Etil Asetat Daun Beluntas (*Pluchea Indica* L.) Secara Spektrofotometri Uv-Vis. *Biospektrum Jurnal Biologi*, 6(1), 42–50. <https://doi.org/10.33508/bios.v6i1.7460>
- Patrick R. Murray, Ken S. Rosenthal, dan M. A. P. (2021). *Medical Microbiology* (9 th).
- Pujiastuti, E., & El'Zeba, D. (2021). Perbandingan Kadar Flavonoid Total Ekstrak Etanol 70% Dan 96% Kulit Buah Naga Merah (*Hylocereus Polyrhizus*) Dengan Spektrofotometri. *Cendekia Journal of Pharmacy*, 5(1), 28–43. <https://doi.org/10.31596/cjp.v5i1.131>
- Purwani, A. I. H., Sari, F., Pertiwi, K. K., & Lestari, T. P. (2024). Skrining Fitokimia Dan Kromatografi Lapis Tipis Ekstrak Daun Beluntas (*Pluchea indica* L.). *Jurnal Pharma Bhakta*, 4(1), 8–14.
- Rahmawati, R., Tahir, M., & Amir, A. H. W. (2021). Kandungan Senyawa Kimia Dan Aktivitas Farmakologi Tanaman Matoa (*Pometia Pinnata* J.R. Forster & J.G. Forster). *As-Syifaa Jurnal Farmasi*, 13(2), 108–115. <https://doi.org/10.56711/jifa.v13i2.778>
- Riaz, T., & Tande, A. J. (2021). Bone and Joint Infections. In *A Rational Approach to Clinical Infectious Diseases: A Manual for House Officers and Other Non-Infectious Diseases Clinicians*. <https://doi.org/10.1016/B978-0-323-69578-7.00013-2>
- Riedel, S., Hobden, J. A., Miller, S., Morse, S. A., Mietzner, T. A., Detrick, B., ... (2019). Jawetz, Melnick & Adelberg's medical microbiology (28th ed.). New York: McGraw-Hill Education.
- Rizki, S. A., Latief, M., & Rahman, H. (2021). Uji Aktivitas Antibakteri Ekstrak N-Heksan, Etil Asetat Dan Etanol Daun Durian (*Durio zibethinus* Linn.) Terhadap Bakteri *Propionibacterium acnes* dan *Staphylococcus epidermidis*. *Jurnal Mahasiswa Farmasi*, 442–457.
- Salamah, F. Z., Ramadhani, M. W., Wahidah, S. N., Rahmawati, R. D., Sjakoe, N. A. A., Savana, A. G., Ramadhan, M., Faisal, F., & Nafisa, N. (2025). Identification of Secondary Metabolite compounds and Testing of Flavonoid Levels in Beluntas Leaves (*Pluchea indica* L.). *Jurnal Biologi Tropis*, 25(2), 1521–1527.

<https://doi.org/10.29303/jbt.v25i2.8473>

- Sari, F., Hasanah, F., Kristianingsih, I., & Sukmana, A. (2023). Identifikasi Senyawa Metabolit Ekstrak Etanol Daun Beluntas (*Pluche Indica*) Secara Kualitatif Dengan Kromatografi Lapis Tipis. *Jurnal Sintesis: Penelitian Sains, Terapan Dan Analisisnya*, 3(1), 1–7. <https://doi.org/10.56399/jst.v3i1.25>
- Subhan, A. (2022). Studi Evaluasi Mekanisme Hand Rub (Hand Sanitizer) Berbasis Alkohol Terhadap Methicillin-Resistant *Staphylococcus Aureus* (MRSA) Dengan Metode Pengamatan Scanning Electron Microscope (SEM). *Jurnal Farmasi Klinik Base Practice*, 1(1), 61–71. <https://doi.org/10.58815/jfclin.v1i1.20>
- Sugiaman, V. K., Nisyah, N. Q., Anisa, N., & Pranata, N. (2021). *Pluchea indica* Extract as a Potential Source of Nutrition for Accelerate Wound Healing. *Medical Sain : Jurnal Ilmiah Kefarmasian*, 12(1), 570–573.
- Sukmawati, I. K., Yuniarto, A., & Rakhmawati, D. (2018). Antifungal activity of extract and fraction of *Auricularia Auricular* on *Candida Albicans*, *Microsporum Gypseum*, and *aspergillus flavus*. *Asian Journal of Pharmaceutical and Clinical Research*, 11(Special Issue 1), 141–145. <https://doi.org/10.22159/ajpcr.2018.v11s1.26591>
- Surendro, Y. N. A., Nasution, M. A., Lubis, M. S., & Pulungan, A. F. (2024). Antioxidant and Antibacterial Activity of Ethanol Extract of Butterfly Leaf (*Bauhinia Purpurea* L.) with Maceration Extraction Method. *Jurnal Biologi Tropis*, 24(4), 1040–1049. <https://doi.org/10.29303/jbt.v24i4.7963>
- Tobi, C. H. B., & Pratiwi, M. E. (2023). Identifikasi Senyawa Flavonoid dan Uji Aktivitas Antibakteri Ekstrak Terpurifikasi Daun Beluntas (*Pluchea Indica* L.) terhadap *Staphylococcus aureus*. *Jurnal Sains Dan Kesehatan*, 5(5), 766–776. <https://doi.org/10.25026/jsk.v5i5.2099>
- Veninda, H. R., Belinda, A. M., & Febriyanti, R. M. (2023). Simplicia Characterization and Phytochemical Screening of Secondary Metabolite Compounds of Bebuas Leaves (*Premna serratifolia* L.). *Indonesian Journal of Biological Pharmacy*, 3(2), 63. <https://jurnal.unpad.ac.id/ijbp>
- Wang, X., Zhang, H., Yu, S., Li, D., Gillings, M. R., Ren, H., Mao, D., Guo, J., & Luo, Y. (2024). Inter-plasmid transfer of antibiotic resistance genes accelerates antibiotic resistance in bacterial pathogens. *ISME Journal*, 18(1). <https://doi.org/10.1093/ismejo/wrad032>
- Wardania, A. K., Malfadinata, S., & Fitriana, Y. (2020). Uji Aktivitas Antibakteri Penyebab Jerawat *Staphylococcus epidermidis* Menggunakan Ekstrak Daun Ashitaba (*Angelica keiskei*). *Lambung Farmasi: Jurnal Ilmu Kefarmasian*, 1(1), 14. <https://doi.org/10.31764/lf.v1i1.1206>
- Weinstein, M. P., & Lewis, J. S. (2020). The clinical and laboratory standards institute

- subcommittee on Antimicrobial susceptibility testing: Background, organization, functions, and processes. In *Journal of Clinical Microbiology* (Vol. 58, Issue 3). <https://doi.org/10.1128/JCM.01864-19>
- Wijaya, H., Jubaidah, S., & Rukayyah, R. (2022). Perbandingan Metode Esktraksi Terhadap Rendemen Ekstrak Batang Turi (*Sesbania Grandiflora* L.) Dengan Menggunakan Metode Maserasi Dan Sokhletasi. *Indonesian Journal of Pharmacy and Natural Product*, 5(1), 1–11. <https://doi.org/10.35473/ijpnp.v5i1.1469>
- Wolford, R. W., Goyal, A., Syed, S. Y., & Schaefer, T. J. (2023). *Pharyngitis*. StatPearls. NCBI. Diakses pada 11 Januari 2024, dari <https://www.ncbi.nlm.nih.gov/books/NBK519550/>
- Wootton, M., Davies, L., Pitman, K., & Howe, R. A. (2021). Evaluation of susceptibility testing methods for *Burkholderia cepacia* complex: a comparison of broth microdilution, agar dilution, gradient strip and EUCAST disc diffusion. *Clinical Microbiology and Infection*, 27(5), 788.e1-788.e4. <https://doi.org/10.1016/j.cmi.2020.11.012>
- World Health Organization (WHO). (2021). Acute Respiratory Infections: Global Burden and Prevention Strategies. Geneva: WHO
- Wulandari, S., Nisa, Y. S., Taryono, T., Indarti, S., & Sayekti, R. S. (2022). Sterilisasi Peralatan dan Media Kultur Jaringan. *Agrotechnology Innovation (Agrinova)*, 4(2), 16. <https://doi.org/10.22146/a.77010>
- Wulansari, E. D., Lestari, D., & Khoirunissa, M. A. (2020). Kandungan Terpenoid Dalam Daun Ara (*Ficus Carica* L.) Sebagai Agen Antibakteri Terhadap Bakteri Methicillin-Resistant *Staphylococcus aureus*. *Pharmacon*, 9(2), 219. <https://doi.org/10.35799/pha.9.2020.29274>
- Zada Amalia Agatha Sari dkk. (2021). Perbedaan Hasil Uji Aktivitas Antibakteri Metode Well Diffusion dan Kirby bauer terhadap Pertumbuhan Bakteri. *Jurnal Medika Hutama*, 2(4), 1156–1162.