

## DAFTAR PUSTAKA

- (Chair), G.B. *et al.* (2025) "EAU Guidelines on Urological Infections," *European Association of Urology* [Preprint].
- Akan, S. (2022) "Kısa Süreli Depolamanın Siyah Sarımsak Başları ve Soyulmuş Dişlerinin Fizikokimyasal Kalitesindeki Rolü," *Turkish Journal of Agricultural and Natural Sciences*, 9(3), pp. 794–801.
- Albert, Z. (2022) "Renal Physiology," *Journal of Interventional Nephrology*, 5(5), pp. 66–69. Available at: [https://doi.org/10.47532/oain.2022.5\(5\).66-69](https://doi.org/10.47532/oain.2022.5(5).66-69).
- Andriani, G. *et al.* (2023) "Identifikasi Bakteri yang Dapat Menyebabkan Infeksi Saluran Kemih pada Urine Pengguna Pantyliner," *Jambura Journal Of Health Science And Research*, 5(3). Available at: <https://ejurnal.ung.ac.id/index.php/jjhsr/index>.
- Anggraeni, H. *et al.* (2023) "Pola Infeksi Bakteri Saluran Kemih pada Spesimen Urin Pasien Diabetes Mellitus di Ruang Rawat Inap RSUD A.W Sjahranie Tahun 2020-2021," *Jurnal Labora Medika*, 7(2), pp. 48–55.
- Annisah, N. *et al.* (2024) "Faktor Risiko Infeksi Saluran Kemih (ISK): Literature Review the Risk Factors of Urinary Tract Infection (Uti): Literature Review," *Jurnal Medical Profession (MedPro)*, 6(1), pp. 86–93.
- Ayuni, M.S. *et al.* (2023) "Perbandingan Efektivitas Antibakteri Air Perasan dan Rebusan Daun Bandotan (*Ageratum conyzoides* L.) Terhadap Pertumbuhan Bakteri *Streptococcus mutans*," *Indonesia Natural Research Pharmaceutical Journal Vol.*, 8(1), pp. 10–20.
- Azizah, S.N. *et al.* (2024) "Potensi Ekstrak Etanol 70 % Bawang Hitam (Black Garlic) Sebagai Antibakteri *Staphylococcus aureus* dan *Escherichia coli*," *Jurnal Ilmiah Farmasi Akademi Farmasi*, 7(1), pp. 100–110.
- Borlinghaus, J. *et al.* (2021) "Allicin , the Odor of Freshly Crushed Garlic : A Review of Recent Progress in Understanding Allicin ' s Effects on Cells," *molecules* [Preprint].
- BPOM (2016) *Bawang Putih Allium sativum L.*, *Badan Pengawas Obat dan Makanan*.
- Bubonja-Šonje, M. *et al.* (2020) "Challenges to Antimicrobial Susceptibility Testing of Plant-derived Polyphenolic Compounds," *Arh Hig Rada Toksikol*, 71(4), pp. 300–311. Available at: <https://doi.org/10.2478/aiht-2020-71-3396>.
- Chen, C. *et al.* (2024) "Host-Pathogen Interactions in *K. pneumoniae* Urinary Tract Infections : Investigating Genetic Risk Factors in the Taiwanese Population," *diagnostics*, 14(415), pp. 1–13.
- Damayanti, F.E. *et al.* (2024) "Analisa Tekanan Darah pada Penderita Hipertensi Sebelum dan Sesudah Konsumsi Black Garlic," *Nursing Information Journal*, 3(2), pp. 88–92. Available at: <https://doi.org/10.54832/nij.v3i2.745>.
- Destriman Laoli *et al.* (2024) "Efektivitas Bahan Alami Sebagai Agen Antimikroba dalam Pengobatan Penyakit Ikan Air Tawar: Tinjauan Literatur," *Zoologi: Jurnal Ilmu Peternakan, Ilmu Perikanan, Ilmu Kedokteran Hewan*, 2(2), pp. 84–97. Available at: <https://doi.org/10.62951/zoologi.v2i2.66>.
- Dewi, R.S. *et al.* (2023) "Hubungan Perilaku Genital Hygiene dengan Tanda dan

- Gejala Infeksi Saluran Kemih pada Remaja Putri,” *NURSE: Journal of Nursing and Health Science*, 2(1), pp. 20–32. Available at: <https://doi.org/10.15408/nurse.v2i1.30959>.
- Diapermata, A. *et al.* (2025) “Perbandingan Efektivitas Ekstrak Bawang Putih Tunggal (*Allium sativum* L.) dan Bawang Putih Majemuk (*Allium sativum*) terhadap *Klebsiella pneumoniae* secara in Vitro,” *Jurnal Penelitian Kedokteran dan Kesehatan*, 6(2), pp. 855–859.
- Fathoni, K.W.S.W. *et al.* (2021) “Formulasi dan Evaluasi Variasi Basis Gel Air Perasan Temuawak (*Curcuma xanthorrhiza* R.) Sebagai Antiseptik Tangan,” 10, pp. 1–6.
- Fayez, M.S. *et al.* (2023) “Morphological, Biological, and Genomic Characterization of *Klebsiella pneumoniae* phage vB\_Kpn\_ZC2,” *Virology Journal*, 20(1), pp. 1–16. Available at: <https://doi.org/10.1186/s12985-023-02083-2>.
- Filev, R. *et al.* (2025) “Urinary Tract Infections Caused by *Klebsiella pneumoniae* and Prolonged Treatment with Trimethoprim/Sulfamethoxazole,” *Microorganisms*, 13(2), pp. 1–14. Available at: <https://doi.org/10.3390/microorganisms13020422>.
- Gabriel, T. *et al.* (2022) “Antibacterial Activity of Nanoparticles of Garlic (*Allium sativum*) Extract against Different Bacteria Such as *Streptococcus mutans* and *Poryphomonas gingivalis*.”
- Gach, M.W. *et al.* (2024) “Antimicrobial Resistance Among Common Bacterial Pathogens in Indonesia: A Systematic Review,” *The Lancet Regional Health - Southeast Asia*, 26, p. 100414. Available at: <https://doi.org/10.1016/j.lansea.2024.100414>.
- Guerra, M.E.S. *et al.* (2022) “*Klebsiella pneumoniae* Biofilms and Their Role in Disease Pathogenesis,” *Frontiers in Cellular and Infection Microbiology*, 12(May), pp. 1–13. Available at: <https://doi.org/10.3389/fcimb.2022.877995>.
- Hasan, T.H. *et al.* (2021) “The Epidemiology of *Klebsiella pneumoniae*: A Review,” *Annals of the Romanian Society for Cell Biology*, 25(4), pp. 8848–8860.
- He, Y. *et al.* (2025) “Epidemiological Trends and Predictions of Urinary Tract Infections in the Global Burden of Disease Study 2021,” *Scientific Reports*, 15(1), pp. 1–12. Available at: <https://doi.org/10.1038/s41598-025-89240-5>.
- Inuwa, A.B. *et al.* (2024) “Detection Of *Mec(A)* Gene In Cefoxitin And Oxacillin (Methicillin) Resistant *Staphylococcus aureus* Isolated From Ready-To-Eat Foods In Jos, Plateau State,, Nigeria,” *Science World Journal*, 19(4), pp. 1119–1127.
- Kaur, Rajanbir *et al.* (2021) “Symptoms, Risk Factors, Diagnosis and Treatment of Urinary Tract Infections,” *Postgraduate Medical Journal*, 97(1154), pp. 803–812. Available at: <https://doi.org/10.1136/postgradmedj-2020-139090>.
- Al Lawati, H. *et al.* (2024) “Urinary Tract Infections: Core Curriculum 2024,” *American Journal of Kidney Diseases*, 83(1), pp. 90–100. Available at: <https://doi.org/10.1053/j.ajkd.2023.08.009>.
- Lestari, I. *et al.* (2023) “Deteksi Gen TEM (Temoneira) dari Isolat Klinis *Escherichia Coli* Penghasil Extended Spectrum Beta Lactamases (ESBL)

- Pasien Penderita Infeksi Saluran Kemih,” *Manuju: Malahayati Nursing Journal*, 5(1), pp. 173–183.
- Lestari, S.R. (2021) *Bawang Putih Tunggal Khasiat dan Manfaatnya*.
- Li, Y. *et al.* (2023) “Regulation of biofilm formation in *Klebsiella pneumoniae*,” *Frontiers in Microbiology*, 14(September), pp. 1–12. Available at: <https://doi.org/10.3389/fmicb.2023.1238482>.
- Mancuso, G. *et al.* (2023) “Urinary Tract Infections: The Current Scenario and Future Prospects,” *Pathogens*, 12(4). Available at: <https://doi.org/10.3390/pathogens12040623>.
- Mengistu, D.A. *et al.* (2023) “Incidence of Urinary Tract Infection Among Patients: Systematic Review and Meta-Analysis,” *Inquiry (United States)*, 60, pp. 1–12. Available at: <https://doi.org/10.1177/00469580231168746>.
- Mohamed, E.I. *et al.* (2023) “Electronic nose versus VITEK 2 system for the rapid diagnosis of bloodstream infections,” *Brazilian Journal of Microbiology*, 54(4), pp. 2857–2865. Available at: <https://doi.org/10.1007/s42770-023-01154-4>.
- Muharram, L.H. *et al.* (2022) “Aktivitas Antibakteri Ekstrak Bawang Hitam Variasi Waktu Aging Terhadap Pencegahan Dysbiosis Kulit Penyebab Jerawat,” *Jurnal Sains dan Kesehatan*, 4(2), pp. 586–592.
- Najman, K. *et al.* (2020) “Influence of Thermal Processing on the Bioactive, Antioxidant, and Physicochemical Properties of Conventional and Organic Agriculture black garlic (*Allium sativum* L.),” *Applied Sciences (Switzerland)*, 10(23), pp. 1–17. Available at: <https://doi.org/10.3390/app10238638>.
- Ninis Najuwa Aizzatin *et al.* (2025) “Karakterisasi Morfologi Bawang Putih (*Allium sativum* L.) Varietas Lokal di Satria Tani Hanggawana,” *Radikula : Jurnal Ilmu Pertanian*, 4(1), pp. 33–40.
- Nurriyanti, A.H. *et al.* (2024) “Storage and Packaging Evaluation for Preserving Polyphenols in Black Garlic,” *Metana: Media Komunikasi Rekayasa Proses dan Teknologi Tepat Guna*, 20(2), pp. 108–116.
- Nurul, A. *et al.* (2023) “Tinjauan artikel: Uji mikrobiologi,” *Journal of Pharmacy*, 12(2), pp. 31–36.
- Nurulloh, T.N.D. *et al.* (2025) “The Effect of Heating Duration on the Content of Active Compounds and Antibacterial Properties in Black Garlic,” *Indonesia Journal of Pharmaceutical Science and Technology*, 12, pp. 184–190.
- Ochońska, D. *et al.* (2024) “*Klebsiella Pneumoniae* – Taxonomy, Occurrence, Identification, Virulence Factors and Pathogenicity ,” *Advancements of Microbiology*, 63(3), pp. 157–175. Available at: <https://doi.org/10.2478/am-2024-0014>.
- Prasonto, D. *et al.* (2025) “Uji Daya Hambat Bakteri *Lactobacillus acidophilus* Dengan Menggunakan Ekstrak Black garlic (*Allium Sativum*) Secara In Vitro,” *Majalah Sainstekes*, 12(1), pp. 11–018.
- Purwandari, V. *et al.* (2021) “Uji Aktivitas Antibakteri dari Black garlic dengan Variasi Waktu Berbeda Terhadap *Streptococcus mutans* Penyebab Karies Gigi,” *Jurnal Farmanesia*, 8(2), pp. 100–106. Available at: <https://doi.org/10.51544/jf.v8i2.2797>.
- Puspitasari, A. *et al.* (2022) “Gagal Ginjal Akut Akibat Infeksi Saluran Kemih Pada

- Remaja : Studi Kasus Acute,” *Jurnal Kedokteran Yarsi*, 30(2), pp. 58–64.
- Rais, N. *et al.* (2023) “S-Allyl-L-Cysteine — A garlic Bioactive : Physicochemical Nature , Mechanism , Pharmacokinetics , and health promoting activities,” *Journal of Functional Foods*, 107(June).
- Rinawati, W. *et al.* (2022) “Update Pemeriksaan Laboratorium Infeksi Saluran Kemih,” *Jurnal Penyakit Dalam Indonesia*, 9(2), p. 124. Available at: <https://doi.org/10.7454/jpdi.v9i2.319>.
- Rini, C.S. *et al.* (2020) *Bakteriologi Dasar*, Umsida Press Sidoarjo Universitas.
- Saputra, A.N. *et al.* (2023) “Uji Aktivitas Antibakteri Ekstrak Bawang Putih dan Bawang Hitam Siung Tunggal (*Allium sativum*) terhadap *Acinetobacter baumannii*,” *Jurnal Pendidikan Informatika dan Sains*, 12(1), pp. 256–265. Available at: <https://doi.org/10.31571/saintek.v12i1.5989>.
- Sari, D.A.I.P. *et al.* (2023) “Perbedaan Hasil Sedimen Urine dengan Pengawet Formalin dan Toluena,” *Jurnal Laboratorium Khatulistiwa*, 6(2), pp. 7–12.
- Subadra, O.S. *et al.* (2021) “Aktivitas Antibakteri Kombinasi Fraksi Metanol Daun Pisang ( *Musa paradisiaca* Linn . ) dan Daun Jati ( *Tectona grandis* L . ) Dibandingkan Fraksi Tunggal Metanol Daun Jati ( *Tectona grandis* L . ) Terhadap Bakteri *Propionibacterium acnes*,” pp. 699–708.
- Sukrianto *et al.* (2022) “Pasca Panen Bawang Tunggal,” *Universitas Muhammadiyah Jakarta* [Preprint].
- Sulfianti, S. *et al.* (2023) “Uji Efektivitas Antibakteri Ekstrak Bawang Putih (*Allium Sativum*) terhadap Pertumbuhan *Staphylococcus Aureus*,” *Fakumi Medical Journal*, 3(11), pp. 254–260.
- Trinh, T.T. *et al.* (2022) “Thermal and Gastric Stability of Antimicrobial Activity of Juices and Aqueous Extracts Prepared from Common Eligible Herbs and Traditional Medicinal Plants Against *Burkholderia Pseudomallei* and Other Rnteric bacteria,” *Future Journal of Pharmaceutical Sciences*, 8(1), pp. 1–15. Available at: <https://doi.org/10.1186/s43094-022-00424-6>.
- Umaruddin *et al.* (2023) *Bakteriologi 2*, *Media Sains Indonesia*. Available at: [http://www.biblioteca.pucminas.br/teses/Educacao\\_PereiraAS\\_1.pdf%0Ahttp://www.anpocs.org.br/portal/publicacoes/rbcs\\_00\\_11/rbcs11\\_01.htm%0Ahttp://repositorio.ipea.gov.br/bitstream/11058/7845/1/td\\_2306.pdf%0Ahttps://direitofma2010.files.wordpress.com/2010/](http://www.biblioteca.pucminas.br/teses/Educacao_PereiraAS_1.pdf%0Ahttp://www.anpocs.org.br/portal/publicacoes/rbcs_00_11/rbcs11_01.htm%0Ahttp://repositorio.ipea.gov.br/bitstream/11058/7845/1/td_2306.pdf%0Ahttps://direitofma2010.files.wordpress.com/2010/).
- Weinstein, M.P. *et al.* (2021) *M100 Performance Standards for Antimicrobial Susceptibility Testing*.
- Wilson, L.M. *et al.* (2024) “Practice Variation in Urine Collection Methods Aamong Pre-toilet Trained Children with Suspected Urinary Tract Infection : a Systematic Review,” *BMC Pediatrics* [Preprint].
- Yunita, M. *et al.* (2023) *Bakteriologi*.
- Zahroh, R. *et al.* (2023) *Konsep Dasar dan Asuhan Keperawatan Sistem Perkemihan, Sagusatal Indonesia*. Available at: [http://www.biblioteca.pucminas.br/teses/Educacao\\_PereiraAS\\_1.pdf%0Ahttp://www.anpocs.org.br/portal/publicacoes/rbcs\\_00\\_11/rbcs11\\_01.htm%0Ahttp://repositorio.ipea.gov.br/bitstream/11058/7845/1/td\\_2306.pdf%0Ahttps://direitofma2010.files.wordpress.com/2010/](http://www.biblioteca.pucminas.br/teses/Educacao_PereiraAS_1.pdf%0Ahttp://www.anpocs.org.br/portal/publicacoes/rbcs_00_11/rbcs11_01.htm%0Ahttp://repositorio.ipea.gov.br/bitstream/11058/7845/1/td_2306.pdf%0Ahttps://direitofma2010.files.wordpress.com/2010/).