

DAFTAR PUSTAKA

- Abdullah, S. S., Djide, N., & Natsir, S. (2021). Klt Bioautografi Hasil Partisi Ekstrak Etanol Herba Bandotan (*Ageratum conyzoides* L.) Terhadap *Shigella dysenteriae*. *Chemistry Progress*, 14(1), 14–21. <https://doi.org/10.35799/cp.14.1.2021.34076>
- Adiana, S. (2022). Pengaruh Tingkat Pengetahuan Mahasiswa Farmasi Politeknik Kesehatan Hermina Terhadap Penggunaan Antibiotik. *Indonesian Journal of Health Science*, 2(2), 68–72. <https://doi.org/10.54957/ijhs.v2i2.295>
- Aini, N., & Rahayu, T. (2018). Media Alternatif untuk Pertumbuhan Jamur Menggunakan Sumber Karbohidrat yang Berbeda. *Jurnal Ilmu Kesehatan*, 3(5), 855–860.
- A. Jungwirth (Chair), T. Diemer(Vice-chair), Z. Kopa, C. Kraus, H. T., & Guidelines Associates: B. Kelly, R. P. (2017). European Association of Urology Guidelines 2017. *EAU Guidelines on Male Infertility*.
- Akihary, C. V., & Kolondam, B. J. (2020). Pemanfaatan Gen 16s Rrna Sebagai Perangkat Identifikasi Bakteri Untuk Penelitian-Penelitian Di Indonesia. *Pharmacon*, 9(1), 16. <https://doi.org/10.35799/pha.9.2020.27405>
- Amin, S. S., Ghozali, Z., Rusdiana, M., & Efendi, S. (2023). Identifikasi Bakteri dari Telapak Tangan dengan Pewarnaan Gram Identification of Bacteria from Palms with Gram Stain. *CHEMVIRO:JurnalKimiadanIlmuLingkungan*, 1(1), 30–35. Retrieved from <https://doi.org/10.56071/chemviro.v1i1.563>
- Angel Novia Fransiska, Diba Masyrofah, Hermin Marlian, I. V. S. dan P. S. T. (2021). Identifikasi Senyawa Terpenoid Dan Steroid Pada Beberapa Tanaman Menggunakan Pelarut N-Heksan. *Pharmacognosy Magazine*, 75(17), 399–405.
- Anggita, D., Nurisyah, S., & Wiriansya, E. P. (2022). Mekanisme Kerja Antibiotik: Review Article. *UMI Medical Journal*, 7(1), 46–58. <https://doi.org/10.33096/umj.v7i1.149>
- Anggraini, W., Candra, T. M., Maimunah, S., & Sugihantoro, H. (2020). Evaluasi Kualitatif Penggunaan Antibiotik pada Pasien Infeksi Saluran Kemih dengan Metode Gyssens. *KELUWIH: Jurnal Kesehatan Dan Kedokteran*, 2(1), 1–8. <https://doi.org/10.24123/kesdok.v2i1.2876>
- Ardiansyah, A. K., & Ramayani, S. L. (2022). Uji Aktivitas Tabir Surya Ekstrak dan Fraksi Daun Kitolod (*Isotoma longiflora* L.). *Cendekia Journal of Pharmacy*, 6(2), 301–306.
- Aro, A. O., Dzoyem, J. P., Awouafack, M. D., Selepe, M. A., Eloff, J. N., & McGaw, L. J. (2019). Fractions and isolated compounds from *Oxyanthus speciosus* subsp. *stenocarpus* (Rubiaceae) have promising antimycobacterial and intracellular activity. *BMC Complementary and Alternative Medicine*, 19(1), 1–11. <https://doi.org/10.1186/s12906-019-2520-x>

- Aridiyanto, M. J., & Penagsang, P. (2022). Analisis Faktor-Faktor Yang Mempengaruhi Kinerja Koperasi (Studi Kasus : Koperasi Di Surabaya Utara). *JEB17 : Jurnal Ekonomi Dan Bisnis*, 7(01), 27–40. <https://doi.org/10.30996/jeb17.v7i01.6542>
- Aristyawan, A. D., Yuliarni, F. F., & Suryandari, M. (2024). Skrining Fitokimia Ekstrak Etanol Jamur Kuping Hitam (*Auricularia Nigricans*) Dengan Metode Soxletasi Phytochemical Screening Of Ethanol Extract 96 % Black Ear Mushroom (*Auricularia Nigricans*) By Soxletation Method, 3(2), 114–123.
- Asworo, R. Y., & Widwastuti, H. (2023). B. *Indonesian Journal of Pharmaceutical Education*, 3(2), 256–263. <https://doi.org/10.37311/ijpe.v3i2.19906>
- Cho, H. J., Son, S. H., Chen, W., Son, Y. E., Lee, I., Yu, J. H., & Park, H. S. (2022). Regulation of Conidiogenesis in *Aspergillus flavus*. *Cells*, 11(18), 1–17. <https://doi.org/10.3390/cells11182796>
- Clinical and Laboratory Standards Institute. (2015). *Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Second Informational Supplement Clinical and Laboratory Standards Institute. CLSI document M100-S16CLSI*, Wayne, PA.
- Da Silva, G. J., & Domingues, S. (2016). Insights on the horizontal gene transfer of carbapenemase determinants in the opportunistic pathogen acinetobacter baumannii. *Microorganisms*, 4(3), 1–23. <https://doi.org/10.3390/microorganisms4030029>
- Dharmawan, A., & Layanto, N. (2019). Mekanisme Resistensi Acinetobacter baumannii terhadap Antibiotik Golongan Karbapenem. *Jurnal Kedokteran Meditek*, 24(68), 67–72. <https://doi.org/10.36452/jkdoktmeditek.v24i68.1704>
- Erna, Y., & Azizah, N. (2025). Uji Efektivitas Penggunaan Udara Panas Buatan pada Pembuatan Preparat Bakteri dengan Pewarnaan Gram, 7(1), 49–56
- Fakhruzy, Kasim, A., Asben, A., & Anwar, A. (2020). Review: Optimalisasi Metode Maserasi Untuk Ekstraksi Tanin Rendemen Tinggi. *Menara Ilmu*, XIV(2), 38–41
- Fatmawati, F., Warganegara, F. M., & Puspasari, M. (2016). Identifikasi Bakteri Potensial Penghasil Enzim Amilase, Selulase, Xilanase Dan Lipase Pada Fase Termofilik Kompos Manur Sapi. *Jurnal Kesehatan Bakti Tunas Husada: Jurnal Ilmu-Ilmu Keperawatan, Analis Kesehatan Dan Farmasi*, 16(1), 69. <https://doi.org/10.36465/jkbth.v16i1.168>
- Fatmawati, F., Abdillah, M. N., Fatmasari, A., & Mulyaningsih, Y. D. (2019). Screening and Identification of Xylanase Enzyme-Producing Bacteria in Peuyeum Cassava with 16S rRNA Gene Marker method. *Jurnal Kartika Kimia*, 2(1), 37–43. <https://doi.org/10.26874/jkk.v2i1.22>
- Fatmawati, F., & Warganegara, F. M. (2021). Determination of the 16S rRNA Gene Sequence in F1C Isolates Producing Amylase and Lipase Enzymes from Initial Phase Composting. *IOSR Journal of Biotechnology and Biochemistry (IOSR-*

- JBB*, 7(4), 1–05. <https://doi.org/10.9790/264X-0704020105>
- Febriza, M. A., Adrian, Q. J., & Sucipto, A. (2021). Penerapan Ar Dalam Media Pembelajaran Klasifikasi Bakteri. *Jurnal BIOEDUIN : Program Studi Pendidikan Biologi*, 11(1), 10–18. <https://doi.org/10.15575/bioeduin.v11i1.12076>
- Fakhruzy, Kasim, A., Asben, A., & Anwar, A. (2020). Review: Optimalisasi Metode Maserasi Untuk Ekstraksi Tanin Rendemen Tinggi. *Menara Ilmu*, XIV(2), 38–41.
- Fernadya Sylvia, Oktarlina, R. Z., & WP, R. R. (2020). Terapi Farmakologis Tinea Korporis pada Anak. *Medula*, 10(April), 760–766.
- Fikriyah, Y. U., & Nasution, R. S. (2022). Analisis Kadar Air Dan Kadar Abu Pada Teh Hitam Yang Dijual Di Pasaran Dengan Menggunakan Metode Gravimetri. *Amina*, 3(2), 50–54. <https://doi.org/10.22373/amina.v3i2.2000>
- Garde, S., Chodiseti, P. K., & Reddy, M. (2021). Peptidoglycan: Structure, Synthesis, and Regulation. *EcoSal Plus*, 9(2). <https://doi.org/10.1128/ecosalplus.esp-0010-2020>.
- Gayus Ngama, R., Mongi, J., Ginting, A., & Karauwan, F. A. (2022). Uji Efektivitas Ekstrak Daun Cempedak (*Artocarpus integer*) Sebagai Antijamur Terhadap Jamur *Candida albicans*. *The Tropical Journal of Biopharmaceutical*, 2022(2), 97–102.
- Gebreyohannes, G., Nyerere, A., Bii, C., & Sbhatu, D. B. (2019). Investigation of Antioxidant and Antimicrobial Activities of Different Extracts of *Auricularia* and *Termitomyces* Species of Mushrooms. *Scientific World Journal*, 2019. <https://doi.org/10.1155/2019/7357048>
- Gebreyohannes, G., Sbhatu, D. B., Nyerere, A., Bii, C., & Gebrehiwot, A. G. (2023). Wild Mushrooms: Potential Natural Sources of Antioxidant and Anti-Quorum Sensing Bioactive Compounds for Medical Applications. *Evidence-Based Complementary and Alternative Medicine*, 2023(1). <https://doi.org/10.1155/2023/6141646>
- Gebreyohannes, G., Sbhatu, D. B., Nyerere, A. K., & Gebrehiwot, A. G. (2024). Biofilm-Inhibitory Activity of Wild Mushroom Extracts against Pathogenic Bacteria. *Evidence-Based Complementary and Alternative Medicine*, 2024, 1–13. <https://doi.org/10.1155/2024/7011982>
- Ghernaout, D., Elboughdiri, N., & Lajimi, R. (2022). *E. coli*: Health Impacts, Exposure Evaluation, and Hazard Reduction. *OALib*, 09(06), 1–28. <https://doi.org/10.4236/oalib.1108860>
- Golding, C. G., Lamboo, L. L., Beniac, D. R., & Booth, T. F. (2016). The scanning electron microscope in microbiology and diagnosis of infectious disease. *Scientific Reports*, 6(May), 1–8. <https://doi.org/10.1038/srep26516>
- Godlewska, K., Pacyga, P., Najda, A., & Michalak, I. (2023). Investigation of

- Chemical Constituents and Antioxidant Activity of Biologically Active Plant-Derived Natural Products. *Molecules*, 28(14), 1–77. <https://doi.org/10.3390/molecules28145572>
- Greti M. Kurama, Wilmar Maarisit, Einstein Z. Karundeng, N. O. P. (2020). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Benalu Langsung (*Dendrophoe* sp) Terhadap Bakteri *Klebsiella Pneumoniae*. *Role Of Type 1 And Type 3 Fimbriae In Klebsiella Pneumoniae Bio Film Formation*, 3(2), 1471–2180.
- Handayani, F., Apriliana, A., & Natalia, H. (2019). Karakterisasi Dan Skrining Fitokimia Simplisia Daun Selutui Puka (*Tabernaemontana macracarpa* Jack). *Jurnal Ilmiah Ibnu Sina (JIIS): Ilmu Farmasi Dan Kesehatan*, 4(1), 49–58. <https://doi.org/10.36387/jiis.v4i1.285>
- Harahap, M. R. (2018). Elektroforesis: Analisis Elektronika Terhadap Biokimia Genetika. *Circuit: Jurnal Ilmiah Pendidikan Teknik Elektro*, 2(1), 21–26. <https://doi.org/10.22373/crc.v2i1.3248>
- Haryati, N. A., Saleh, C., & Erwin. (2015). Uji Toksisitas Dan Aktivitas Antibakteri Ekstrak Daun Merah Tanaman Pucuk Merah (*Syzygium myrtifolium* Walp.) Terhadap Bakteri. *Jurnal Kimia Mulawarman*, 13(1), 35–40.
- Hassan, M. N., Nikmati Laily, A., & Saintek UIN Maliki Malang, B. (2014). Uji Kandungan Flavonoid dan Perbandingan Aktivitas Antioksidan Pada Ekstrak Etanol Simplisia Bunga Pepaya Gantung Saat Kuncup dan Mekar. *J. Sb*, 1(1), 1–15. <https://doi.org/10.13140/RG.2.2.19762.40647>
- Herkamela, S. W. Y. (2022). Berbagai bahan alam sebagai antijamur *Malassezia* Sp. *Jurnal Kedokteran Syiah Kuala*, 20(10), 121–127.
- Husnia, A., Putri, D. H., & Wahyuni, I. (2024). Optimasi RedSafe Nucleic Acid Staining solution dengan Menggunakan Metode Elektroforesis, 1052–1058.
- (IAUI), I. A. U. I. (2023). *Panduan saku tata laksana disfungsi seksual pria. Ikatan Ahli Urologi Indonesia*.
- Intan, K., Diani, A., & Nurul, A. S. R. (2021). Aktivitas Antibakteri Kayu Manis (*Cinnamomum burmanii*) terhadap Pertumbuhan *Staphylococcus aureus*. *JURNAL KESEHATAN PERINTIS (Perintis's Health Journal)*, 8(2), 121–127. <https://doi.org/10.33653/jkp.v8i2.679>
- Islam, T., Ganesan, K., & Xu, B. (2021). Insights into health-promoting effects of Jew's ear (*Auricularia auricula-judae*). *Trends in Food Science and Technology*, 114(May), 552–569. <https://doi.org/10.1016/j.tifs.2021.06.017>
- Ismail, Darniati, Giovani, S., Novita, A., & Hamzah, A. (2023). Deteksi Residu Antibiotik Golongan Aminoglikosida Pada Daging. *Jurnal Ilmiah Mahasiswa Veteriner (JIMVET)*, 7(4), 114.
- Jabbar Ibrahim, I. A., & Kareem Hameed, T. A. (2015). Isolation, Characterization and Antimicrobial Resistance Patterns of Lactose-Fermenter Enterobacteriaceae

- Isolates from Clinical and Environmental Samples. *Open Journal of Medical Microbiology*, 05(04), 169–176. <https://doi.org/10.4236/ojmm.2015.54021>
- Janda, J. M., & Abbott, S. L. (2007). 16S rRNA gene sequencing for bacterial identification in the diagnostic laboratory: Pluses, perils, and pitfalls. *Journal of Clinical Microbiology*, 45(9), 2761–2764. <https://doi.org/10.1128/JCM.01228-07>
- Khazaal, M. T., Faraag, A. H. I., & Elÿhendawy, H. H. (2024). Studi in vitro dan in silico konjugat Ciprofoxacin dan Fosfomycin generasi pertama yang terinspirasi enterobactin terhadap *E . coli* yang resistan terhadap antibiotik OQ866153, 1–18
- Konoralma, K. (2019). Identifikasi Bakteri Penyebab Infeksi Nosokomial Di Rumah Sakit Umum Gmim Pancaran Kasih Manado. *Jurnal KESMAS*, 8(1), 23–35.
- 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>
- Kurnianto, M. A., & Syahbanu, F. (2023). Resistensi antibiotik pada rantai pasok pangan: tren, mekanisme resistensi, dan langkah pencegahan. *Agrointek : Jurnal Teknologi Industri Pertanian*, 17(3), 608–621. <https://doi.org/10.21107/agrointek.v17i3.14771>
- Kyriakidis, I., Vasileiou, E., Pana, Z. D., & Tragiannidis, A. (2021). Acinetobacter baumannii antibiotic resistance mechanisms. *Pathogens*, 10(3), 1–31. <https://doi.org/10.3390/pathogens10030373>
- Laokor, N., & Juntachai, W. (2021). Exploring the antifungal activity and mechanism of action of Zingiberaceae rhizome extracts against *Malassezia furfur*. *Journal of Ethnopharmacology*, 279(May), 114354. <https://doi.org/10.1016/j.jep.2021.114354>
- Leonita, S., Bintang, M., & Pasaribu, F. H. (2016). Isolation and Identification of Endophytic Bacteria from *Ficus variegata* Blume as Antibacterial Compounds Producer. *Current Biochemistry*, 2(3), 116–128. <https://doi.org/10.29244/cb.2.3.116-128>
- Li, J., Li, Z., Zhao, T., Yan, X., & Pang, Q. (2021). Proteomic Analysis of *Auricularia auricula-judae* Under Freezing Treatment Revealed Proteins and Pathways Associated With Melanin Reduction. *Frontiers in Microbiology*, 11(January). <https://doi.org/10.3389/fmicb.2020.610173>
- Listiani, L. (2021). Optimasi Suhu Annealing Gen *blaZ* Dari Bakteri Methicillin-Resistant *Staphylococcus Aureus* (MRSA) Pada Peralatan Medis Optimization Annealing Temperature Gene *blaZ* of Bacterial Methicillin-resistant *Staphylococcus aureus* (MRSA) in Medical Equipment, 420–425.
- Lopes, J. P., & Lionakis, M. S. (2022). Pathogenesis and virulence of *Candida albicans*. *Virulence*, 13(1), 89–121.

<https://doi.org/10.1080/21505594.2021.2019950>

- Mangalu, M. A., Simbala, H. E. I., & Suoth, E. J. (2022). Standarisasi Parameter Spesifik Ekstrak Buah Pinang Yaki (*Areca vestiaria*). *Jurnal Farmasi Medica/Pharmacy Medical Journal (PMJ)*, 5(1), 20. <https://doi.org/10.35799/pmj.v5i1.41611>
- Mariana, N., Indriyati, Widianari, A. D., Taufik, M., Wijaya, C., Hartono, T. S, Firmansyah, I. (2021). Quantitative Analysis of Antibiotic Usage Using A Defined Daily Dose Method at The Sulianti Saroso Lung Hospital in A Period of January-June 2019. *Pharmaceutical Journal of Indonesia*, 7(1), 37–41.
- Maslahah, N. (2024). Standar simplisia tanaman obat sebagai bahan sediaan herbal, 2(2), 1–4.
- Maynita, S., Pujiati, Bhagawan, W. S., & Primiani, C. N. (2023). Analisis Rendemen Ekstrak Etanol Daun Genitri dari Semarang. *Seminar Nasional Prodi Farmasi UNIPMA (SNAPFARMA)*, 2, 162–167. Retrieved from <http://prosiding.unipma.ac.id/index.php/SNAPFARMA>
- Megawati, R., Prasetya, D., & Sanjiwani, A. A. S. (2023). Identifikasi Bakteri Penyebab Infeksi Saluran Kemih pada Pasien di Laboratorium Klinik Prodia Blitar. *Prosiding Rapat Kerja Nasional Asosiasi Institusi Perguruan Tinggi Teknologi Laboratorium Medik Indonesia*, 2, 100–110. Retrieved from <https://prosiding.aiptlmi-iasmlt.id/index.php/prosiding/issue/view/5>
- Melwita, E., & Oktaviani, S. (2020). Dengan Metode Ekstraksi Soxhlet. *Teknik Kimia*, 20(192), 20–27.
- Mohammad Azizur, R., Abdullah, A. M., Nilufar Yasmin, L., & Salman, S. (2020). Proximate analysis, photochemical screening and antioxidant activity of different strains of *Ganoderma lucidum* (Reishi Mushroom). *Open Journal of Biological Sciences*, 5(1), 024–027. <https://doi.org/10.17352/ojbs.000020>
- Muiz, H. A., Wulandari, S., & Primadhamanti, A. (2021). Ethanol Extract Against *Staphylococcus Aureus* By Disc Diffusion Method. *Jurnal Analisis Farmasi*, 6(2), 84–89.
- Mulatsari, E., Manninda, R., Khairani, S., Kumala, S., & Okta, F. N. (2023). Edukasi Penggunaan Antibiotik secara Tepat sebagai Upaya Melindungi Masyarakat dari Bahaya Resistensi. *Jurnal Pengabdian Masyarakat Indonesia*, 3(3), 413–418. <https://doi.org/10.52436/1.jpmi.1081>
- Murtiyaningsih, H. (2017). Isolasi DNA genom dan identifikasi kekerabatan genetik nanas menggunakan RAPD (*Random Amplified Polimorphic DNA*). *Agritrop*, 15(1), 84–93.
- Naipospos, M., Idris, M., & Rahmadina, R. (2022). Penapisan Fitokimia Dan Penentuan Kadar Flavonoid Ekstrak Daun Sembung [*Blumea Balsamifera* (L.) Dc] Di Desa Hasang Dan Desa Simangalam Kecamatan Kualuh Selatan Kabupaten Labuhanbatu Utara. *KLOROFIL: Jurnal Ilmu Biologi Dan Terapan*,

- 6(2), 54. <https://doi.org/10.30821/kfl:jibt.v6i2.11687>
- Nasrollahian, S., Graham, J. P., & Halaji, M. (2024). A review of the mechanisms that confer antibiotic resistance in pathotypes of *E. coli*. *Frontiers in Cellular and Infection Microbiology*, 14(April), 1–28. <https://doi.org/10.3389/fcimb.2024.1387497>
- Noer, S. (2021). Identifikasi Bakteri secara Molekular Menggunakan 16S rRNA. *EduBiologia: Biological Science and Education Journal*, 1(1), 1. <https://doi.org/10.30998/edubiologia.v1i1.8596>
- Norfajrina, N., Istiqamah, I., & Indriyani, S. (2021). Jenis-Jenis Jamur (Fungi) Makroskopis Di Desa Bandar Raya Kecamatan Tamban Catur. *Al Kawnu : Science and Local Wisdom Journal*, 1(1), 17–33. <https://doi.org/10.18592/ak.v1i1.5156>
- Ni Putu Gayatri Dewi Dasi, & Ni Putu Eka Leliqia. (2023). Review: Studi Kandungan Fitokimia dan Aktivitas Antimikroba Kecombrang (*Etlingera elatior*). *Prosiding Workshop Dan Seminar Nasional Farmasi*, 1, 193–202. <https://doi.org/10.24843/wsnf.2022.v01.i01.p16>
- Ningsih1, I. S., & , Moralita Chatr1 * , Linda Advinda1, V. (2023). Flavonoid Active Compounds Found In Plants Senyawa Senyawa Aktif Flavonoid yang Terdapat Pada Tumbuhan. *Serambi Biologi*, 8(2), 126–132. <https://doi.org/https://doi.org/10.24036/srmb.v8i2.206>
- Novaryatiin, S. (2016). Identifikasi Bakteri dan Resistensinya terhadap Antibiotik di Poli Gigi RSUD Dr. Doris Sylvanus Palangka Raya. *Jurnal Surya Medika*, 1(2), 17–25. <https://doi.org/10.33084/jsm.v1i2.395>
- Noviana, H. (2004). Pola Kepekaan Antibiotika *Escherichia coli* yang Diisolasi dari Berbagai Spesimen Klinis. *Jurnal Kedokteran Trisakti*, 23(4), 122–126.
- Nurhayati, L. S., Yahdiyani, N., & Hidayatulloh, A. (2020). Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt dengan Metode Difusi Sumuran dan Metode Difusi Cakram. *Jurnal Teknologi Hasil Peternakan*, 1(2), 41. <https://doi.org/10.24198/jthp.v1i2.27537>
- Okereke, O.E., 1*, Akanya, H.O., 2 Ogbadu, G.H., 1 Egwim, E.C., 2, Etim, V. A. . and, & Akande, S. A. . (2022). Development and Optimization of a Surface Sterilization Protocol for the Tissue Culture of *Pleurotus tuber-regium* (Fr) Sing. and *Auricularia auricula-juda*, 7(2), 1–10.
- Oli, A. N., Edeh, P. A., Al-Mosawi, R. M., Mbachu, N. A., Al-Dahmoshi, H. O. M., Al-Khafaji, N. S. K., ... Saki, M. (2020). Evaluation of the phytoconstituents of *Auricularia auricula-judae* mushroom and antimicrobial activity of its protein extract. *European Journal of Integrative Medicine*, 38(June), 101176. <https://doi.org/10.1016/j.eujim.2020.101176>
- Paputungan, W. A., Lolo, W. A., & Siampa, J. P. (2019). Aktivitas Antibakteri Dan Analisis Klt-Bioautografi Dari Fraksi Biji Kopi Robusta (*Coffea canephora* Pierre

- ex A. Froehner). *Pharmacon*, 8(3), 516.
<https://doi.org/10.35799/pha.8.2019.29325>
- Peratiwi, S. G., Tahara, N., Mustikawati¹, B., Maisyarah, I. T., Indradi, R. B., & Barliana, M. I. (2023). Phytochemical Screening and TLC Profiles of Extract and Fractions of. *Indonesian Journal of Biological Pharmacy*, 3(1), 10–18.
- Prakoso, S. P., Wirajana, I. N., & Suarsa, I. W. (2017). Amplifikasi Fragmen Gen 18s Rrna Pada Dna Metagenomik Madu Dengan Teknik Pcr (Polymerase Chain Reaction). *Indonesian Journal of Legal and Forensic Sciences (IJLFS)*, 7(November 2017), 1. <https://doi.org/10.24843/ijlfs.2017.v07.i01.p03>
- Putri, F. E., Diharmi, A., & Karnila, R. (2023). Identifikasi Senyawa Metabolit Sekunder Pada Rumput Laut Coklat (*Sargassum plagyophyllum*) Dengan Metode Fraksinasi. *Jurnal Teknologi Dan Industri Pertanian Indonesia*, 15(1), 40–46. <https://doi.org/10.17969/jtipi.v15i1.23318>
- Rahmadhani, U. S., & Marpaung, N. L. (2023). Klasifikasi Jamur Berdasarkan Genus Dengan Menggunakan Metode CNN. *Jurnal Informatika: Jurnal Pengembangan IT*, 8(2), 169–173. <https://doi.org/10.30591/jpit.v8i2.5229>
- Rahmah, A., Nastiti, K., Mahdiyah, D., & Darsono, P. V. (2023). Aktivitas Antibakteri Ekstrak Daun Kopi Aranio (*Coffea canephora*) Terhadap Bakteri *Propionibacterium Acnes*. *Journal Pharmaceutical Care and Sciences*, 4(1), 64–74. <https://doi.org/10.33859/jpcs.v4i1.417>
- Raini, M. (2017). Antibiotik Golongan Fluorokuinolon. *Media Penelitian Dan Pengembangan Kesehatan*, 26(3), 163–174.
- Regina Leong, Z. L., Wan, H. L., & Teo, S. S. (2023). Antimicrobial activity of hydrogel loaded with *Capsicum annuum*, *Auricularia auricula judae* and *Kappaphycus alvarezii*. *Research Journal of Chemistry and Environment*, 27(4), 1–6. <https://doi.org/10.25303/2704rjce01006>
- Rinanda, T. (2011). Analisis Sekuensing 16s Rrna Di Bidang Mikrobiologi. *Jks*, 3, 172–177.
- Rizki, S. M., & Panjaitan, R. S. (2018). Efektivitas Antifungi dari Minyak Atsiri Kulit Batang Kayu Manis (*Cinnamomum burmanni*) terhadap *Candida albicans*. *EduChemia (Jurnal Kimia Dan Pendidikan)*, 3(2), 172. <https://doi.org/10.30870/educhemia.v3i2.4560>
- RI, K. (2022). Kemenkes RI. *Revista CENIC. Ciencias Biológicas*.
- Rinawati, W., & Aulia, D. (2022). Update Pemeriksaan Laboratorium Infeksi Saluran Kemih. *Jurnal Penyakit Dalam Indonesia*. <https://doi.org/10.7454/jpdi.v9i2.319>
- Rizki Nisfi Ramdhini, Dwi Aulia Ramdini, & Citra Yuliyanda Pardilawati. (2022). Uji Antibakteri Ekstrak Etanol Jahe Merah (*Zingiber Officinale Var Rubrum Rhizoma*) Terhadap Bakteri *Staphylococcus Aureus*. *Jurnal Kesehatan : Jurnal Ilmiah Multi Sciences*, 12(02), 106–112.

<https://doi.org/10.52395/jkjims.v12i02.351>

- Rollando, R. (2019). Uji Antimikroba Minyak Atsiri Masoyi (*Massoia aromatica*) Terhadap Bakteri *Streptococcus mutans*. *Majalah Farmasi Dan Farmakologi*, 23(2), 52–57. <https://doi.org/10.20956/mff.v23i2.6585>
- Rosyadi, A., Triatmoko, B., & Nugraha, A. S. (2022). Isolation of Estuary Soil Fungi and Screening Antibacterial Activity Against *Staphylococcus aureus*. *Indonesian Journal of Pharmaceutical Science and Technology*, 9(1), 16. <https://doi.org/10.24198/ijpst.v1i1.28834>
- Rudy Joegijantoro. (2019). Penyakit Infeksi. Intimedia (Vol. 11). Retrieved from http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbe.co.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI
- Sadiyah, H. H., Cahyadi, A. I., & Windria, S. (2022). Kajian Daun Sirih Hijau (*Piper betle* L) Sebagai Antibakteri. *Jurnal Sain Veteriner*, 40(2), 128. <https://doi.org/10.22146/jsv.58745>
- Sani, A., Ahmad, A., & Zenta, F. (2019). Effect Of Metal Ion Cu (Ii) And Mg (Ii) On The Activities Antioxidant Anthocyanin Of Extract Ethanol Skin Dragon Fruit Red(*Hylocereuspolyrhizus*). *Jurnal Akta Kimia Indonesia (Indonesia Chimica Acta)*, 11(1), 11. <https://doi.org/10.20956/ica.v11i1.6400>
- Santi Ainun Rodiah, Mades Fifendy, G. I. (2022). Test The Inhibition of Beringin Leaf Extract (*Ficus benjamina* L.) Against The Growth of *Candida albicans* in Vitro. *MDVI Journal*, 7(2022), 1–8.
- Santoso, T. A. M. P., Wiyono, W. I., & Mpila, D. A. (2022). Studi Tingkat Pengetahuan Masyarakat Tentang Antibiotik di Kelurahan Ardipura Kota Jayapura. *Pharmacon*, 11(4), 1723–1729.
- Sapitri, A., Asfianti, V., & Marbun, E. D. (2022). Pengelolaan Tanaman Herbal Menjadi Simplisia sebagai Obat Tradisional. *Jurnal Abdimas Mutiara*, 3(1), 94–102.
- Sari, D., Suyati, L., & Widodo, D. S. (2016). Pengaruh Buffer Kalium Fosfat dan Natrium Fosfat terhadap Produksi Listrik dalam Sistem Microbial Fuel Cell (MFC) dengan *Lactobacillus bulgaricus* pada Whey Tahu. *Jurnal Kimia Sains Dan Aplikasi*, 19(3), 107–110. <https://doi.org/10.14710/jksa.19.3.107-110>
- Sarmira, M.-, Purwanti, S.-, & Yuliati, F. N. (2021). Aktivitas antibakteri ekstrak daun oregano terhadap bakteri *Escherichia coli* dan *Staphylococcus aureus* sebagai alternatif feed additive unggas. *Jurnal Ilmu Ternak Universitas Padjadjaran*, 21(1), 40. <https://doi.org/10.24198/jit.v21i1.33161>
- Saptowo, A., Supriningrum, R., & Supomo, S. (2022). Uji Aktivitas Antibakteri Ekstrak Kulit Batang Sekilang (*Embeliaborneensis Scheff*) Terhadap Bakteri *Propionibacterium acnes* dan *Staphylococcus epidermidis*. *Al-Ulum: Jurnal Sains*

- Dan Teknologi*, 7(2), 93. <https://doi.org/10.31602/ajst.v7i2.6331>
- Sarmira, M., Purwanti, S., & Yuliati, F. N. (2021). Aktivitas antibakteri ekstrak daun oregano terhadap bakteri *Escherichia coli* dan *Staphylococcus aureus* sebagai alternatif feed additive unggas. *Jurnal Ilmu Ternak Universitas Padjadjaran*, 21(1), 40.
- Sebayang, R., Idawati, Y., & Sinaga, H. (2020). Analisis Lactat Dehydrogenase dalam Serum Darah Menggunakan Sentrifugasi. *Jurnal Keperawatan Silampari*, 4(1), 274–280. <https://doi.org/10.31539/jks.v4i1.1450>
- Selifiana, N., Irwanti, D., & Lisni, I. (2023). Evaluasi Penggunaan Antibiotik pada Pasien Infeksi Saluran Kemih di Salah Satu Rumah Sakit Kota Bandung. *Jurnal Ners*, 7(1), 284–292. <https://doi.org/10.31004/jn.v7i1.13209>
- Setyawati, R., & Zubaidah, S. (2021). Optimasi Konsentrasi Primer dan Suhu Annealing dalam Mendeteksi Gen Leptin pada Sapi Peranakan Ongole (PO) Menggunakan Polymerase Chain Reaction (PCR). *Indonesian Journal of Laboratory*, 4(1), 36. <https://doi.org/10.22146/ijl.v4i1.65550>
- Steinbuch, K. B., & Fridman, M. (2016). Mechanisms of resistance to membrane-disrupting antibiotics in Gram-positive and Gram-negative bacteria. *MedChemComm*, 7(1), 86–102. <https://doi.org/10.1039/c5md00389j>
- Suganda, T., Kaltsum, R. T., Tripuspasari, L., & Yulia, E. (2024). Uji Ekstrak Metanol Biji Kembang Telang (*Clitoria ternatea* L.) dalam Menghambat Pertumbuhan Koloni serta Produksi dan Perkecambahan Konidia Jamur *Fusarium oxysporum* f. sp. *cepae*. *Agrikultura*, 35(1), 46. <https://doi.org/10.24198/agrikultura.v35i1.53887>
- Savitri, N. H., Nur Indiasuti, D., & Wahyunitasari, M. R. (2019). Inhibitory activity of *Allium Sativum* L. extract against *Streptococcus Pyogenes* and *Pseudomonas Aeruginosa*. *Journal of Vocational Health Studies*, 03, 72–77. <https://doi.org/10.20473/jvhs.V3I2.2019.72>
- Sawiji, R. T., Jawa La, E. O., & Yuliawati, A. N. (2020). Pengaruh Formulasi Terhadap Mutu Fisik Body Butter Ekstrak Etanol Kulit Buah Naga (*Hylocereus polyrhizus*). *Indonesian Journal of Pharmacy and Natural Product*, 3(1). <https://doi.org/10.35473/ijnp.v3i1.501>
- Sayuti, I., Zulfarina, & Rahayu, Z. (2023). Short communication: Macrofungi assemblage in Rawa Bento Forest, Kerinci Seblat National Park, Indonesia. *Biodiversitas*, 24(2), 1224–1230. <https://doi.org/10.13057/biodiv/d240264>
- Selifiana, N., Irwanti, D., & Lisni, I. (2023). Evaluasi Penggunaan Antibiotik pada Pasien Infeksi Saluran Kemih di Salah Satu Rumah Sakit Kota Bandung. *Jurnal Ners*, 7(1), 284–292. <https://doi.org/10.31004/jn.v7i1.13209>
- Setyawati, R., & Zubaidah, S. (2021). Optimasi Konsentrasi Primer dan Suhu Annealing dalam Mendeteksi Gen Leptin pada Sapi Peranakan Ongole (PO) Menggunakan Polymerase Chain Reaction (PCR). *Indonesian Journal of*

- Laboratory*, 4(1), 36. <https://doi.org/10.22146/ijl.v4i1.65550>
- Suganda, T., Kaltsum, R. T., Tripuspasari, L., & Yulia, E. (2024). Uji Ekstrak Metanol Biji Kembang Telang (*Clitoria ternatea* L.) dalam Menghambat Pertumbuhan Koloni serta Produksi dan Perkecambahan Konidia Jamur *Fusarium oxysporum* f. sp. cepae. *Agrikultura*, 35(1), 46. <https://doi.org/10.24198/agrikultura.v35i1.53887>
- Sumilat, D. A. (2019). Antibacterial Screening Activity of Several Sponges Against *Staphylococcus aureus*, *Escherichia coli*, *Staphylococcus saprophyticus*, dan *Pseudomonas aeruginosa*. *Jurnal Ilmiah Platax*, 7(2), 455. <https://doi.org/10.35800/jip.7.2.2019.26026>
- Shan, H., Dong Sun, X., Chun Yang, H., Yuan Liu, F., Wang, B., Chai, L., & Luan, J. (2019). Proximate Compositions and Bioactive Compounds of Cultivated and Wild *Auricularia auricular* from Northeastern China. *European Journal of Nutrition & Food Safety*, 11(4), 175–186. <https://doi.org/10.9734/ejnf/2019/v11i430160>
- Shariati, A., Arshadi, M., Khosrojerdi, M. A., Abedinzadeh, M., Ganjalishahi, M., Maleki, A., ... Khoshnood, S. (2022). The resistance mechanisms of bacteria against ciprofloxacin and new approaches for enhancing the efficacy of this antibiotic. *Frontiers in Public Health*, 10, 1–28. <https://doi.org/10.3389/fpubh.2022.1025633>
- Silverman, M., Lee, P. R., & Lydecker, M. (2017). Farmakope Herbal Indonesia Edisi II. *Pills and the Public Purse*, 527–528. <https://doi.org/10.2307/jj.2430657.12>
- Sjahriani, T., & Pattiyah. (2019). Uji Sensitivitas Bakteri *Shigella* sp. Terhadap Antibiotik Golongan Sulfonamida Beta-Laktam Dan Makrolida Tahun 2017. *Jurnal Farmasi Malahayati*, 2(1), 1–11.
- Sophia, A., & Suraini. (2024). Efektivitas Perasan Daun Meniran *Phyllanthus niruri* L. Sebagai Antifungi Terhadap Pertumbuhan Jamur *Candida albicans*. *Bioma: Jurnal Biologi Makassar*, 9(1), 128–134.
- 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>
- Sumilat, D. A. (2019). Antibacterial Screening Activity of Several Sponges Against *Staphylococcus aureus*, *Escherichia coli*, *Staphylococcus saprophyticus*, dan *Pseudomonas aeruginosa*. *Jurnal Ilmiah Platax*, 7(2), 455. <https://doi.org/10.35800/jip.7.2.2019.26026>
- Sutomo, S. B., Fujiyanti, M., Lestari, W. P., & Mulyani, S. (2018). Antibacterial Activity Test of the C-4-methoxyphenylcalix[4]resorcinarene Compound Modified by Hexadecyltrimethylammonium-Bromide against *Staphylococcus*

- aureus* and *Escherichia coli* Bacteria. *JKPK (Jurnal Kimia Dan Pendidikan Kimia)*, 3(3), 201. <https://doi.org/10.20961/jkpk.v3i3.22742>
- Swidergall, M., & LeibundGut-Landmann, S. (2022). Immunosurveillance of *Candida albicans* commensalism by the adaptive immune system. *Mucosal Immunology*, 15(5), 829–836. <https://doi.org/10.1038/s41385-022-00536-5>
- Tian, F., Woo, S. Y., Lee, S. Y., Park, S. B., Zheng, Y., & Chun, H. S. (2022). Antifungal Activity of Essential Oil and Plant-Derived Natural Compounds against *Aspergillus flavus*. *Antibiotics*, 11(12). <https://doi.org/10.3390/antibiotics11121727>
- Tilu, M. A., Pusmarani, J., & Juliansyah, R. (2023). Uji Aktivitas Antijamur Ekstrak Etanol Biji Keben (*Barringtonia asiatica* L.) Terhadap Jamur *Malassezia furfur*. *Jurnal Pharmacia Mandala Waluya*, 2(4), 199–210. <https://doi.org/10.54883/jpmw.v2i4.23>
- Triani, Rahmawati, & Turnip, M. (2017). Aktivitas Antifungi Ekstrak Metanol Jamur Kuping Hitam (*Auricularia polytricha* (Mont.) Sacc.) terhadap *Aspergillus flavus* (UH 26). *Jurnal Labora Medika*, 1(2), 14–20.
- Unok, W., & Sabir Mangawing, M. (2024). ee. *Jurnal Kolaboratif Sains*, 7(5), 1822–1828. <https://doi.org/10.56338/jks.v7i5.5347>
- Utomo, S. B., Fujiyanti, M., Lestari, W. P., & Mulyani, S. (2018). Antibacterial Activity Test of the C-4-methoxyphenylcalix[4]resorcinarene Compound Modified by Hexadecyltrimethylammonium-Bromide against *Staphylococcus aureus* and *Escherichia coli* Bacteria. *JKPK (Jurnal Kimia Dan Pendidikan Kimia)*, 3(3), 201. <https://doi.org/10.20961/jkpk.v3i3.22742>
- Veninda, H. R., Belinda, A. M., Khairunnisa, K. Q., Muhaimin, M., & Febriyanti, R. M. (2023). Karakterisasi Simplisia dan Skrining Fitokimia Senyawa Metabolit Sekunder Daun Bebuas (*Premna serratifolia* L.). *Indonesian Journal of Biological Pharmacy*, 3(2), 63. <https://doi.org/10.24198/ijbp.v3i2.43576>
- Veronica, I., Amarachi, I. S., Moses, I., Malachy, U., & Sylvester, N. C. (2020). Influence of Nigerian jelly ear culinary–medicinal mushroom, *auricularia auricula-judae* (Agaricomycetes), on humoral and cellular immunity. *International Journal of Medicinal Mushrooms*, 22(5), 467–478. <https://doi.org/10.1615/IntJMedMushrooms.2020034776>
- Wahyuni, S., & Marpaung, M. P. (2020). Penentuan Kadar Alkaloid Total Ekstrak Akar Kuning (*Fibraurea Chloroleuca* Miers) Berdasarkan Perbedaan Konsentrasi Etanol Dengan Metode Spektrofotometri Uv-Vis. *Dalton : Jurnal Pendidikan Kimia Dan Ilmu Kimia*, 3(2), 52–61. <https://doi.org/10.31602/dl.v3i2.3911>
- WHO. (2013). WHO. 2013. *Springer Topics in Signal Processing*.
- Widyastuti, D. A. (2011). Isolasi DNA Kromosom *Salmonella* sp . dan Visualisasinya pada Elektroforesis Gel Agarosa, 311–317.

- Wijaya, A., & Rissa, M. M. (2024). Penetapan Kadar Air, Kadar Sari Larut Air Dan Kadar Sari Larut Etanol Ekstrak Daun Binahong (*Anredera cordifolia Steen.*). *Forte Journal*, 4(2), 481–487. <https://doi.org/10.51771/fj.v4i2.792>
- World Health Organization (WHO). (2018). Antimicrobial-Resistance @ Wwww.Who.Int. *Who.Int*. Retrieved from <https://www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance>
- Xu, S., Zhang, Y., & Jiang, K. (2016). Antioxidant activity in vitro and in vivo of the polysaccharides from different varieties of *Auricularia auricula*. *Food and Function*, 7(9), 3868–3879. <https://doi.org/10.1039/c6fo00686h>
- Yanis, N. M., Mangarengi, Y., Khalid, N. F., Mokhtar, S., & Sri Irmandha Kusumardhani. (2022). Isolasi Dan Identifikasi Bakteri Penyebab ISK Pada Wanita Hamil Di RSIA Sitti Khadijah 1 Makassar. *Fakumi Medical Journal: Jurnal Mahasiswa Kedokteran*, 2(2), 116–121. <https://doi.org/10.33096/fmj.v2i2.49>
- Yap, P. S. X., Yusoff, K., Lim, S. H. E., Chong, C. M., & Lai, K. S. (2021). Membrane disruption properties of essential oils-a double-edged sword? *Processes*, 9(4), 1–11. <https://doi.org/10.3390/pr9040595>
- Yasir, Y., Rusli, & Asmita. (2023). Antifungal Activity Test of Ethanol Extract of Secang Wood (*Caesalpinia sappan* L.) against *Candida albicans*. *Jurnal Novem Medika Farmasi*, 2(1), 10–17.
- Yu, T., Zhong, F., Zhang, F., Ying, C., & Geng, G. (2021). Application of Scanning Electron Microscopy in Metal Material Detection. *Journal of Physics: Conference Series*, 2002(1). <https://doi.org/10.1088/1742-6596/2002/1/012010>
- Yuan, J., Wang, X., Zhou, H., Li, Y., Zhang, J., Yu, S., ... Li, J. (2020). Comparison of Sample Preparation Techniques for Inspection of Leaf Epidermises Using Light Microscopy and Scanning Electronic Microscopy. *Frontiers in Plant Science*, 11(February), 1–13. <https://doi.org/10.3389/fpls.2020.00133>
- Yuliani, R., Sukma Pranastia, D. A., Rupiasih, N. N., Supardi, I. W., & Suarbawa, K. N. (2024). Pengaruh Ikatan Silang Glutaraldehid Terhadap Morfologi Nanofiber Komposit PVA/Chitosan/Kolagen. *Buletin Fisika*, 25(1), 56. <https://doi.org/10.24843/bf.2024.v25.i01.p08>
- Yuwono, M. (2017). Keefektifan Metode Isolasi DNA Kit dan CTAB/NaCl yang Dimodifikasi pada *Staphylococcus aureus* dan *Shigella dysenteriae*. *LenteraBio*. Retrieved from <http://news.okezone.com/read/2016/01/21/510/1294062/bakso-dan-soto-tercampur-babi-ditemukan-di-bantul>.
- Zhao, Y., Wang, L., Zhang, D., Li, R., Cheng, T., Zhang, Y., Gao, S. (2019). Comparative transcriptome analysis reveals relationship of three major domesticated varieties of *Auricularia auricula-judae*. *Scientific Reports*, 9(1), 1–13. <https://doi.org/10.1038/s41598-018-36984-y>
- Zein, A. N. S., Setiawati, S., Krisniawati, N., & Sutrisna, E. (2023). Uji Aktivitas

Antibakteri Ekstrak Etil Asetat Terong Ungu (*Solanum melongena* L.) terhadap Bakteri *Staphylococcus epidermidis* ATCC 12228. *Jurnal Sains Dan Kesehatan*, 5(2), 157–163. <https://doi.org/10.25026/jsk.v5i2.1735>