

DAFTAR PUSTAKA

- Aboody MS Al, Mickymaray S. 2020. Anti-fungal efficacy and mechanisms of flavonoids. *Antibiotics*. 9(2):1–42.
- Affandi RI, Fadjar M, Muahiddah N, Setyono BD. 2023. Potensi Tinta Gurita (*Octopus sp.*) Sebagai Imunostimulan Pada Udang Vaname (*Litopenaeus Vannamei*). *Jurnal Ganec Swar*. 17(1):318–325.
- Agoeng HP. 2020. Efektifitas Terapi Otomycosis Menggunakan Miconazole dan Ear Toilet terhadap Tingkat Kekambuhan: Laporan Serial Kasus. *Jurnal Kedokteran Nanggroe Medika*. 3(4):45–52.
- Akhmadi C, Utami W, Annisaa' E. 2022. Narrative Review: Senyawa Fitokimia dan Farmakologi Family Basellaceae Sebagai Obat Luka. *Journal of Research in Pharmacy*.(2):77–85.
- Ali K, Hamed MA, Hassan H, Esmail A, Sheneef A. 2018. Identification of fungal pathogens in otomycosis and their drug sensitivity: Our experience. *Int Arch Otorhinolaryngol*. 22(4):400–403.
- Alifia AR, Handini T, Qolbi LZ, Ihsani DA. 2024. Tinjauan Literatur: Analisis Perbandingan Hasil Ekstraksi Minyak Atsiri Dari Berbagai Komoditas Tanaman Menggunakan Metode Hidrodistilasi Literature Review: Analysis Of Comparative Results In Essential Oil Extraction Form Diverse Botanical Commodities Utilizing Hydrodistillation Methodology. *Jurnal Farmasi Tinctura*. 5(2):75–96.
- Amani SA, Pranowo D, Wijana S. 2024. Mikroenkapsulasi minuman herbal pokak madura menggunakan spray dryer sebagai imunomodulator. *Agrointek : Jurnal Teknologi Industri Pertanian*. 18(1):126–135.
- Anita A, Ahmad A, Natsir H, Rianto MR, Sarean H, Karim H, Bano NH. 2022. Penderita Diabetes Melitus Di Kecamatan Mamajang Kota Makassar. *Medika Kartika Jurnal Kedokteran dan Kesehatan*. 5(4):388–400.
- Antasionasti I, Jayanto I. 2021. Aktivitas Antioksidan Ekstrak Etanol Kayu Manis (*Cinnamomum burmannii*) Secara In Vitro. *Jurnal Farmasi Udayana*. 10(1):38–47.
- Aremu SK, Adewoye KR, Ibrahi T. 2020. A Prospective Analysis of Otomycosis in a Tertiary Care Hospital. *International Journal of Tropical Diseases*. 3(1):1–8.

- Arif Z, Zalukhu A, Karomah AH, Rafi M. 2022. Kapasitas Antioksidan, Kadar Fenolik, dan Flavonoid Total Ekstrak Air dan Etanol Kumis Kucing (*Orthosiphon aristatus*). *Jurnal Jamu Indonesia*. 7(3):93–101.
- Astuti GD, Fitrianti DY, Anjani GY, Afifah DN, Rustanti N. 2020. Pengaruh Pemberian Yoghurt dan Soughurt Sinbiotik Kayu Manis (*Cinnamomum burmannii*) Terhadap Trigliserida dan Total Kolesterol Pada Tikus Pra-Sindrom Metabolik. *Journal of The Indonesian Nutrition Association*. 43(2):57–66.
- Astuti LA, Anas R, Hasanuddin NR, Pamewa K, Chotimah C, Angraini D, Ridha P. 2020. Efektivitas Ekstrak Etanol Tanaman Sarang Semut Terhadap Daya Hambat Bakteri *Fusobacterium nucleatum* (In Vitro). *Sinnun Maxillofacial Journal*. 02(01):8–17.
- Başeğmez HİO, Peşint GB, Nergiz M, Zenger O. 2021. Determination of mold contamination using ergosterol imprinted particles. *Biotechnol Prog*. 37(1):1–7.
- Bavadharani S, Premamalini T, Karthika K, Kindo AJ. 2022. In Vitro Production of Virulence Factors and Antifungal Susceptibility Pattern of *Aspergillus* Isolates from Clinical Samples in a Tertiary Care Center. *J Lab Physicians*. 14(4):479–484.
- Benitez LL, Carver PL. 2019. Adverse Effects Associated with Long-Term Administration of Azole Antifungal Agents. *Drugs*. 79(8):833–853.
- Bhutta MF, Head K, Chong LY, Daw J, Schilder AGM, Burton MJ, Brennan-Jones CG. 2020. Aural toilet (ear cleaning) for chronic suppurative otitis media. *Cochrane Database of Systematic Reviews*. 9(9):1–55.
- Bitwell C, Indra SS, Luke C, Kakoma MK. 2023. A review of modern and conventional extraction techniques and their applications for extracting phytochemicals from plants. *Sci Afr*. 19:1–19.
- Bojanović M, Stalević M, Arsić-Arsenijević V, Ignjatović A, Ranđelović M, Golubović M, Živković-Marinkov E, Koraćević G, Stamenković B, Otašević S. 2023. Etiology, Predisposing Factors, Clinical Features and Diagnostic Procedure of Otomycosis: A Literature Review. *Journal of Fungi*. 9(6):1–15.
- Bubonja-Šonje M, Knezević S, Abram M. 2020. Challenges to antimicrobial susceptibility testing of plant-derived polyphenolic compounds. *Arh Hig Rada Toksikol*. 71(4):300–311.

- Chalo, D.M., Lukhoba, C., Fidahusseini, D.S., Nguta, J.M. 2017. Antimicrobial activity, toxicity and phytochemical screening of selected medicinal plants of Losho, Narok County, Kenya. *Biofarmasi Journal of Natural Product Biochemistry*. 15(1): 29-43.
- Chappe M, Vrignaud S, Gentile L d., Legrand G, Lagarce F, Govic YL. 2018. Successful treatment of a recurrent *Aspergillus niger* otomycosis with local application of voriconazole. *J Mycol Med*. 28(2):396–398.
- Chaurasiya AK, Pradhananga RB, Sah NP, Rijal BP, Pokhrel BM, Dulal S. 2021. Invasive *Aspergillus niger* Is the Sole Etiological Agent for CSOM: A Clinical Case from Nepal. *Case Rep Infect Dis*. 2021:1–5.
- Chen Y, Gao Y, Yuan M, Zheng Z, Yin J. 2023. Anti-Candida albicans Effects and Mechanisms of Theasaponin E1 and Assamsaponin A. *Int J Mol Sci*. 24(11):1–17.
- CLSI. 2002. *Reference Method for Broth Dilution Antifungal Susceptibility Testing of Yeasts: Approved Standard-Second Edition*. Pennsylvania: The National Committee for Clinical Laboratory Standards.
- Dagenais TRT, Keller NP. 2009. Pathogenesis of *Aspergillus fumigatus* in invasive aspergillosis. *Clin Microbiol Rev*. 22(3):447–465.
- Denning DW. 2024. Global Incidence and Mortality of Severe Fungal Disease. *Lancet Infect Dis*. [diunduh 3 2024 Mar 17]. Tersedia pada: <https://pubmed.ncbi.nlm.nih.gov/38224705/>
- Dewi LP, Fuadiyah W, Nirwana L, Zulkarnain AR, Faisal. 2023. Uji Aktivitas Anti Bakteri Eksrak Daun Sirsak (*Annona muricata* L.) terhadap Pertumbuhan Bakteri *Escherichia Coli* dengan Metode Difusi Sumuran dan Paper Disk. *Era Sains: Journal of Science, Engineering and Information Systems Research*. 1(4):8–14.
- Dewi MC, Kusumaningtyas NM, Kurniawan. 2021. Studi Pengaruh Variasi Konsentrasi Pelarut Maserasi Terhadap Kadar Senyawa Flavonoid Teh Hijau (*Camelia Sinensis*). *Pharmaceutical Journal of Islamic Pharmacy*. 5(1):67–72.
- Didehdar M, Chegini Z, Tabaeian SP, Razavi S, Shariati A. 2022. *Cinnamomum*: The New Therapeutic Agents for Inhibition of Bacterial and Fungal Biofilm-Associated Infection. *Front Cell Infect Microbiol*. 12:1–19.

- El-Dawy EGAM, Gherbawy YA, Hussein MA. 2024. Characterization of *Aspergillus* section Flavi associated with stored grains. *Mycotoxin Res.* 40(1):187–202.
- Elwan R, Zahran M, El-Meleigy M. 2024. *Aspergillus niger*; *Aspergillus terreus* HDJZ-ZWM and *Paecilomyces variotii* as polyextremophilic fungi isolated from Egyptian soil. *Egypt J Chem.* 67(3):323–335.
- Espinel-Ingroff A, Arthington-Skaggs B, Iqbal N, Ellis D, Pfaller MA, Messer S, Rinaldi M, Fothergill A, Gibbs DL, Wang A. 2007. Multicenter evaluation of a new disk agar diffusion method for susceptibility testing of filamentous fungi with voriconazole, posaconazole, itraconazole, amphotericin B, and caspofungin. *J Clin Microbiol.* 45(6):1811–1820.
- Feltes G, Ballen SC, Steffens J, Paroul N, Steffens C. 2023. Differentiating True and False *Cinnamon*: Exploring Multiple Approaches for Discrimination. *Micromachines (Basel).* 14(10):1–26.
- Firdaus GA, Sriyani NLP, Oka AA. 2022. Effect of Long Marinade With *Cinnamon* Powder (*Cinnamomum burmannii*) on TPC and Physical Quality of Bali Beef. *Majalah Ilmiah Peternakan.* 25(1):22–27.
- Florensia S, Wijaya A. 2023. Pengaruh Perbedaan Pelarut terhadap Hasil Skrining Fitokimia Ekstrak Daun Tapak Liman (*Elephantopus scaber* L.). *Jurnal Ilmiah Farmasi Simplisia.* 3(2):128–134.
- Francesco MAD. 2023. Drug-Resistant *Aspergillus* spp.: A Literature Review of Its Resistance Mechanisms and Its Prevalence in Europe. *Pathogens.* 12(11):1–20.
- Gu X, Cheng X, Zhang J, Wandong S. 2022. Identification of the Fungal Community in Otomycosis by Internal Transcribed Spacer Sequencing. *Front Microbiol.* 13:1–12.
- Gupta C, Garg AP, Uniyal RC, Kumari A. 2008. Comparative analysis of the antimicrobial activity of cinnamon oil and cinnamon extract on some food-borne microbes. *Afr J Microbiol Res.* 2(9):247–251.
- Guzman JD. 2014. Natural cinnamic acids, synthetic derivatives and hybrids with antimicrobial activity. *Molecules.* 19(12):19292–19349.
- Hakim AR, Saputri R. 2020. Narrative Review: Optimasi Etanol Sebagai Pelarut Senyawa FLavonoid dan Fenolik. *Jurnal Surya Medika (JSM).* 6(1):177–180.

- Handarni D, Putri SH, Tensiska T. 2020. Skrining Kualitatif Fitokimia Senyawa Antibakteri pada Ekstrak Daun Jambu Biji (*Psidium guajava* L.). *Jurnal Keteknik Pertanian Tropis dan Biosistem*. 8(2):182–188.
- Handayani IA, Panca P, Chandra B. 2024. Skrining Fitokimia dan Penetapan Kadar Tanin Ekstrak Daun *Litsea elliptica* Blume. *Jurnal Ilmu Kefarmasian*. 5(1):53–60.
- Haq M, Deshmukh P. 2022. Review of Recurrent Otomycosis and Clotrimazole in Its Treatment. *Cureus*. 14(10):1–6.
- Harahap MR, Rasyidah, Mayasari U. 2024. Uji Efektivitas Antifungi Daun Mahkota Dewa (*Phaleria macrocarpa*) Terhadap Pertumbuhan Jamur *Candida albicans* dan *Aspergillus niger*. *J Biol (Denpasar)*. 1(4):1–66.
- Haryani TS, Wahid GA. 2022. Efektivitas Antifungi Minyak Atsiri Kenanga (*Cananga odorata*) Terhadap *Aspergillus flavus*. *Fitofarmaka: Jurnal Ilmiah Farmasi*. 12(1):14–23.
- Helal SK, Ali WA, Ghazzay HI. 2023. The study of fungal infections and diabetic foot ulcer in Iraqi patients. *J Surv Fish Sci*. 10(3S):3410–3418.
- Howlader A, Nagarajan P, Ragunathan L. 2022. Mycological Profile in Otomycosis Patients and their Drug Sensitivity: A Cross-sectional Study at Union Territory of Puducherry, India. *Journal of Clinical and Diagnostic Research*. 16(10):11–15.
- Ilmi IN, Filianty F, Yarlina VP. 2022. Sediaan Kayu Manis (*Cinnamomum* Sp.) sebagai Minuman Fungsional Antidiabetes: Kajian Literatur. *Kimia Padjadjaran*. 1:31–59.
- Indarto, Isnanto T, Musyassaroh F, Putri I. 2022. Efektivitas Kombinasi Ekstrak Kayu Manis (*Cinnamomum burmannii*) dan Mikroalga (*Haematococcus pluvialis*) sebagai Krim Tabir Surya: Formulasi, Uji In Vitro, dan In Vivo. *Jurnal Kefarmasian Indonesia*. 12(1):11–24.
- Intan K, Diani A, Nurul ASR. 2021. Aktivitas Antibakteri Kayu Manis (*Cinnamomum burmannii*) terhadap Pertumbuhan *Staphylococcus aureus*. *Jurnal Kesehatan Perintis*. 8(2):121–127.
- Islamiati EF, Anwar YAS, Hakim A. 2020. Pengembangan Petunjuk Praktikum Kimia Bahan Alam Tentang Isolasi Sinamaldehyd dari Kayu Manis. *Chemistry Education Practice*. 3(2):104.

- Rinia DI, Miranti IP, Annastasya A. 2022. Analisis Kulitataif dan Kuantitaif Kandungan Eugenol Dalam Jamu Empon-Empon. *Jurnal Ilmiah Jophus : Journal of Pharmacy UMUS*. 3(02):120–127.
- Jain A, Jain R, Jain S. 2020. *Basic Techniques in Biochemistry, Microbiology and Molecular Biology Principles and Techniques*. Bhopal: Humana Press.
- Jeanvoine A, Rocchi S, Bellanger AP, Reboux G, Millon L. 2020. Azole-resistant *Aspergillus fumigatus*: A global phenomenon originating in the environment? *Med Mal Infect*. 50(5):389–395.
- Kainz K, Bauer MA, Madeo F, Carmona-Gutierrez D. 2020. Fungal Infections in Humans: The Silent Crisis. *Microbial Cell*. 7(6):143–145.
- Khan HBSG, Sarmin NIM, Arzmi MH, Amiruddin H, Radzi AAM. 2020. Antifungal Activities of *Ziziphus mauritiana* against *Candida albicans*: In Vitro Study. *Compendium of Oral Science*. 7(1):1–12.
- Khasanah LU, Utami R, Kawiji K, Manuhara GJ. 2021. Characterization of Cinnamon Bark (*Cinnamomum burmannii*) Hydrosol in Variations Opening Valve of Pilot Plan-Scale Steam Distillation. *Jurnal Teknologi Hasil Pertanian*. 14(1):20.
- Krisniawati N, Darmawan AB, Widhi APKNW, Hestiyani RAN, Rujito L. 2023. Exploring Antibiotic Susceptibility in Otomycosis: Uncovering Mixed Infections of Fungal and Bacterial Origin in Indonesia. *Infect Epidemiol Microbiol*. 9(3):229–238.
- Latifah I, Mulyati, Abucher MR, Fauziah PN. 2023. Umbi Talas Bogor (*Colocasia esculenta* (L.) Schott) Sebagai Media Alternatif Pertumbuhan Jamur *Aspergillus niger*. *AIPTLMI*. 2:284–299.
- Leboffe, M.J., Pierce, B.E. 2011. *A Photographic Atlas for the Microbiology Laboratory 4th Edition*. Morton Publishing, Colorado.
- Lee A, Tysome JR, Saeed SR. 2021. Topical azole treatments for otomycosis. *Cochrane Database of Systematic Reviews*. 2021(5):1–44.
- Lestari F, Susanti I. 2021. Daya Antimikroba Sabun “Umak Clink” *Cymbopogon nordus*. *Journal of Biology Education*. 4(2):177–186.
- Lestari YT, Kurniati N, Rinawati D. 2023. Eksplorasi Fungi Endofit pada Rumput Jekeng (*Cyperus Iria L.*) Exploration of Endophyte Fungi in Jekeng Grass (*Cyperus Iria L.*). *Journal of Medical Laboratory Research*. 1(2):40–44.

- Mafata M, Stander M, Masike K, Buica A. 2023. Exploratory data fusion of untargeted multimodal LC-HRMS with annotation by LCMS-TOF-ion mobility: White wine case study. *European Journal of Mass Spectrometry*. 29(2):111–122.
- Maslahah N, Nurhayati H. 2023. Kandungan Senyawa Bioaktif dan Kegunaan Tanaman Kayu Manis (*Cinnamomum burmannii*). *Warta BSIP Perkebunan*. 1(3):5–7.
- Matan N. 2007. Growth Inhibition of *Aspergillus niger* by Cinnamaldehyde and Eugenol. *Walailak J Sci & Tech*. 4(1):41–51.
- Merad Y, Derrar H, Belmokhtar Z, Belkacemi M. 2021. *Aspergillus* genus and its various human superficial and cutaneous features. *Pathogens*. 10(6):1–17.
- Merza H, Abdulkhaleq J. 2021. Evaluation of the Prevalence of Otomycosis in Patients Referred to the ENT Clinic. *International Journal of Otolaryngology and Head & Neck Surgery*. 10(05):392–397.
- Mofatteh MR, Fersheh MA, Nikoomanesh F, Namaei MH. 2021. Comparing the therapy of otomycosis using clotrimazole with iodine tincture: A clinical trial. *Iran J Otorhinolaryngol*. 33(4):229–235.
- Multri V, Peramiarti I, Rochmawati M, Ichsyani M, Satrio R. 2024. Uji Aktivitas Antifungi Ekstrak Etanol Daun Pepaya (*Carica Papaya* Linn) terhadap *Candida Albicans*. *JDB Journal of Dental and Biosciences*. 01(01):19–25.
- Nahor EM, Rumagit BI, Tou HY. 2020. Perbandingan Rendemen Ekstrak Etanol Daun Andong (*Cordyline fucosa* L.) Menggunakan Metode Ekstraksi Maserasi dan Sokhletasi. In *PROSIDING Seminar Nasional Tahun 2020*:40–44.
- Naibaho THB, Antara NS, Arnata IW. 2023. Pengaruh Konsentrasi Minyak Kayu Manis (*Cinnamomum Burmannii*) Terhadap Daya Hambat Pertumbuhan Jamur. *Jurnal Rekayasa dan Manajemen Agroindustri*. 11(2):283–292.
- Nama AN, Bhojani D, Vaidya S. 2024. The efficacy of oral itraconazole in the treatment of otomycosis accompanied by a perforated tympanic membrane. *IP Journal of Otorhinolaryngology and Allied Science*. 6(4):104–107.
- Napu DD. 2023. Sintesis Khalkon dan Uji Aktivitas Tabir Surya Secara In Vitro. *Indonesian Journal of Pharmaceutical Education*. 2(3):230–238.

- Natalia, Sebayang R, Kurniawan I. 2021. Perbedaan Jumlah Koloni Jamur *Trichophyton rubrum* Pada Media Sabouraud Dextrose Agar dan Modifikasi Glukosa 3 gr. *Jurnal Penelitian Sains*. 23(3):134–139.
- National Center for Biotechnology Information. 2024. PubChem Compound Summary.
- Nia Epawati, Lanny Mulqie. 2022. Review Artikel: Aktivitas Antijamur dari Tanaman Marga Ocimum. *Jurnal Riset Farmasi*. 2(1):57–62.
- Nisyak K, Hisbiyah yunil, Wardani EP. 2021. Biotransformation of Compounds in Laja Gowah Oil (*Alpinia malaccensis* (Burm.f) Roscoe) by *Aspergillus niger* and Its Antibacterial Activity. *STIKES Rumah Sakit Anwar Medika*.:1–9.
- Niu A, Wu H, Ma F, Tan S, Wang G, Qiu W. 2022. The antifungal activity of cinnamaldehyde in vapor phase against *Aspergillus niger* isolated from spoiled paddy. *LWT*. 159:1–8.
- Novrianti V, Harahap I, Elsie E. 2019. Antifungal Activity Test of Cinnamon Extract (*Cinnamomum burmannii*) on Growth of *Aspergillus flavus* and *Fusarium moniliforme*. *Bioscience*. 3(2):106–112.
- Nugroho LH, Hartini YS. 2020. *Farmakognosi Tumbuhan Obat*. Yogyakarta: Gadjah Mada University Press.
- Nurhayati LS, 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):41–46.
- Nursofia Y, Sani K F, Yuliawati Y. 2021. Uji Toksisitas Akut Ekstrak Etanol Daun Kayu Manis (*Cinnamomum burmannii*) Pada Fungsi Hati Tikus Putih (*Mus musculus* L.) Betina. *Jurnal Ilmiah Ibnu Sina (JIIS): Ilmu Farmasi dan Kesehatan*. 6(2):272–281.
- Olea AF, Bravo A, Martínez R, Thomas M, Sedan C, Espinoza L, Zambrano E, Carvajal D, Silva-Moreno E, Carrasco H. 2019. Antifungal activity of eugenol derivatives against *Botrytis cinerea*. *Molecules*. 24(7):1–14.
- Panjaitan CC, Widyarman AS, Amtha R, Astoeti TE. 2022. Antimicrobial and Antibiofilm Activity of Cinnamon (*Cinnamomum burmannii*) Extract on Periodontal Pathogens-An in vitro study. *European Journal of Dentistry*. 16(4):938–946.

- Paramastuti R, Rahayu WP, Nurjanah S. 2023. Deteksi dan Identifikasi Molekuler Kapang Berpotensi sebagai Penghasil Patulin pada Buah Tropis. *Jurnal Teknologi dan Industri Pangan*. 34(2):127–141.
- Prasetyorini, Utami NF, Novitasari N, Fitriyani W. 2021. Potensi Ekstrak Refluks Batang Kayu Manis (*Cinnamomum burmannii*) Sebagai Antijamur *Candida albicans* dan *Candida tropicalis*. *Jurnal Ilmiah Farmasi*. 11(2):164–178.
- Putra GW, Ramona Y, Proborini MW. 2020. Eksplorasi Dan Identifikasi Mikroba Pada Rhizosfer Tanaman Stroberi (*Fragaria x ananassa* Dutch.) Di Kawasan Pancasari Bedugul. *Metamorfosa: Journal of Biological Sciences*. 7(2):62–70.
- Putri MC, Abrar M, Daud MA. 2021. Isolasi dan Identifikasi *Aspergillus* Sp. pada Kantong Hawa Puyuh (*Cortunix Japonica*). *Acta Vet Indones*. 9(2):134–142.
- Rachman SA, Mulqie L, Yuniarni U. 2022. Kajian Pustaka Aktivitas Antijamur Tanaman Kayu Manis (*Cinnamomum burmannii*) terhadap *Candida albicans*. *Bandung Conference Series: Pharmacy*. 2(2):1–7.
- Rachmawati SA, Mulqie L, Suwendar. 2022. Uji Aktivitas Antijamur Ekstrak Etanol Buah Tin (*Ficus carica* L.) Terhadap *Aspergillus niger*. *Pharmacy*. 2(2):1–4.
- Ráduly Z, Szabó L, Madar A, Pócsi I, Csernoch L. 2020. Toxicological and Medical Aspects of *Aspergillus*-Derived Mycotoxins Entering the Feed and Food Chain. *Front Microbiol*. 10:1–23.
- Rahmah WN, Ramdhani FH, Hidayani A. 2024. Gambaran Hasil Uji Sensitivitas Antibiotik Terhadap Bakteri *Escherichia coli* dengan Metode DISC dan Sumuran. *Jurnal Surya Medika*. 10(2):344–348.
- Raksha, Singh G, Urhekar AD. 2017. Virulence Factors Detection in *Aspergillus* Isolates from Clinical and Environmental Samples. *Journal of Clinical and Diagnostic Research*. 17(7):13–18.
- Riana ARD, Durachim A, Hayati E, Marlina N. 2023. Pengaruh Suhu Ruangan dan Lama Simpan Darah Sitrat Terhadap Nilai Laju Endap Darah Metode Westergen. *Jurnal Kesehatan Siliwangi*. 4(1):300–307.
- Riedel S, Morse SA, Mietzner T, Miller S. 2019. *Medical Microbiology*. 28th Edition. New York: MC Graw Hill Education.

- Risna YK, Harimurti S, Wihandoyo, Widodo. 2022. Kurva Pertumbuhan Isolat Bakteri Asam Laktat dari Saluran Pencernaan Itik Lokal Asal Aceh. *Jurnal Peternakan Indonesia*. 24(1):1–7.
- Rosenfeld RM, Schwartz SR, Cannon CR, Roland PS, Simon GR, Kumar KA, Huang WW, Haskell HW, Robertson PJ. 2014. Clinical Practice Guideline: Acute Otitis Externa. *Otolaryngology-Head and Neck Surgery*. 150(IS):S1–S24.
- Ruby R, Arifin ES, Kurniawan SV, Surja SS. 2023. Germ Tube Induction Test Comparing Total of Six Liquid and Three Solid Media in *Candida albicans*. *Indonesian Journal of Tropical and Infectious Disease*. 11(1):18–26.
- Safa R, Walid Y, Affes TGA, Hammami M, Sellami IH. 2024. Bioassay-guided isolation, identification and activity evaluation of antifungal compounds from *Cupressus sempervirens*. *Int J Environ Health Res*. 34(6):2593–2604.
- Safitri L. 2020. Uji Efektivitas Antibiotik Ekstrak Daun Kayu Manis (*Cinnamomum burmannii*) Terhadap Pertumbuhan Bakteri *Salmonella Typhi* Secara In Vitro. *Anatomica Medical Journal Fakultas Kedokteran*. 3(1):23–32.
- Sangaré I, Amona FM, Ouedraogo RWL, Zida A, Ouedraogo MS. 2021. Otomycosis in Africa: Epidemiology, diagnosis and treatment. *Journal of Medical Mycology*. 31(2):1–7.
- Saputri RK, Al-Bari A, Nisak SK, Anti TR, Amelia R. 2024. Penentuan Total Fenolik, Flavonoid, dan Antioksidan Ekstrak Kulit Salak Wedi Sebagai Serum Anti-Aging. *Forte Journal*. 4(1):199–210.
- Sastroasmoro S, Ismael I. 2014. *Dasar-Dasar Metodologi Penelitian Klinis*. Edisi 5. Jakarta: Sagung Seto.
- Schoch CL, Ciufu S, Domrachev M, Hotton CL, Kannan S, Khovanskaya R, Leipe D, McVeigh R, O'Neill K, Robbertse B, *et al*. 2020. NCBI Taxonomy: A comprehensive update on curation, resources and tools. *Database*. 2020:1–21.
- Seidler MJ, Salvenmoser S, Müller FMC. 2008. *Aspergillus fumigatus* forms biofilms with reduced antifungal drug susceptibility on bronchial epithelial cells. *Antimicrob Agents Chemother*. 52(11):4130–4136.

- Setyani AR, Arung ET, Sari YP. 2021. Skrining Fitokimia, Antioksidan dan Aktivitas Antibakteri Ekstrak Etanol Akar Segar Bangle (*Zingiber montanum*). *Jurnal Riset Teknologi Industri*. 15(2):415–427.
- Shishodia SK, Tiwari S, Shankar J. 2019. Resistance mechanism and proteins in *Aspergillus* species against antifungal agents. *Mycology*. 10(3):151–165.
- Siagian FD, Lubis M. 2020. Perbandingan Daya Hambat Ekstrak Daun Kayu Manis (*Cinnamomum burmannii*) Konsentrasi 10% dan 20% Terhadap Pertumbuhan Jamur Dermatofita Pada Pasien Tinea Korporis Secara In Vitro. *Jurnal Ilmiah Simantek*. 4(4):75–78.
- Siampa JP, Wiyono WI, Lestari S, Lebang S, Antasionasti I. 2022. Profil Penetrasi Sediaan Gel Antioksidan Ekstrak Kayu Manis (*Cinnamomum burmannii*) dengan Variasi Hydrocolloid sebagai Gelling agen. *Jurnal MIPA*. 11(1):1–5.
- Sidoretno WM, Rosaini H, Makmur I, Kharisma FD. 2022. Formulation and Evaluation of Effervescent Granules Combination Extract Red Ginger, Curcuma and Cinnamon Formulasi dan Evaluasi Granul Effervescent Kombinasi Ekstrak Kering Rimpang Jahe Merah, Temulawak dan Kayu Manis. *JOPS (Journal Of Pharmacy and Science)*. 5(1):21–35.
- Šimonovičová A, Vojtková H, Nosalj S, Piecková E, Švehláková H, Kraková L, Drahovská H, Stalmachová B, Kučová K, Pangallo D. 2021. *Aspergillus niger* Environmental Isolates and Their Specific Diversity Through Metabolite Profiling. *Front Microbiol*. 12:1–13.
- Singh B, Nathawat S, Sharma RA. 2023. Antimicrobial potential of Indian *Cinnamomum* species. *Saudi J Biol Sci*. 30(2):1–15.
- Socfindo Conservation. 2024. Cinnamon. *Socfindo Conservation, Serdang Bedagai*. [diunduh 2024 Mei 15]. Tersedia pada: <https://www.socfindoconservation.co.id/plant/305?lang=en>
- Sriramajayam L, Kaur R, Dhakad MS, Gulati A. 2023. Antifungal Resistance Profile of Fungal Isolates from Fungal Rhinosinusitis Patients: A Study from Tertiary Care Hospital. *J Lab Physicians*. 15(04):488–492.
- Strupat K, Scheibner O, Bromirski M, Fisher Scientific T. 2016. High-Resolution, Accurate-Mass Orbitrap Mass Spectrometry-Definitions, Opportunities, and Advantages. *Thermo Scientific*.

- Sulaiman M, Jannat K, Nissapatorn V, Rahmatullah M, Paul AK, de Lourdes Pereira M, Rajagopal M, Suleiman M, Butler MS, Break MK Bin, *et al.* 2022. Antibacterial and Antifungal Alkaloids from Asian Angiosperms: Distribution, Mechanisms of Action, Structure-Activity, and Clinical Potentials. *Antibiotics*. 11(9):1–38.
- Sun Q, Li J, Sun Y, Chen Q, Zhang L, Le T. 2020. The antifungal effects of cinnamaldehyde against *Aspergillus niger* and its application in bread preservation. *Food Chem*. 317:1–7.
- Sun W, Yu Y, Chen J, Yu B, Chen T, Ying H, Zhou S, Ouyang P, Liu D, Chen Y. 2021. Light Signaling Regulates *Aspergillus niger* Biofilm Formation by Affecting Melanin and Extracellular Polysaccharide Biosynthesis. *American Society for Microbiology*.(1):1–3.
- Susanti DA, Hidayati S, Firdaus AW, Pangesti DY, Milyunier FMP. 2024. Pengaruh Perbedaan Metode Ekstraksi Terhadap Uji Aktivitas Ekstrak Etanol Biji Ketumbar (*Coriandrum sativum*) Pada *Staphylococcus aureus*. *Pharmamedica Journal*. 9(1):97–104.
- Syapitri H, Amila, Aritonang J. 2021. *Buku Ajar Metodologi Penelitian Kesehatan*. Malang: AHLIMEDIA PRESS.
- Taqiyyun K, Pramono AP, Bahar M, Sandra O. 2022. Analisis perbandingan daya hambat ekstrak pirolisis dan ekstrak maserasi *Nicotiana tabacum* Var. Virginia terhadap *Aspergillus niger* secara In Vitro. *Jurnal Kedokteran Syiah Kuala*. 22(4):202–206.
- Tasić-Otašević S, Golubović M, Đenić S, Ignjatović A, Stalević M, Momčilović S, Bojanović M, Arsić-Arsenijević V. 2020. Species distribution patterns and epidemiological characteristics of otomycosis in Southeastern Serbia. *Journal de Mycologie Medicale* . 30(3):1–23.
- Victoria D, Widhi APKN, Darmawan AB. 2023. Prevalensi Jamur (*Aspergillus niger*) Pada Otomikosis di RSUD. Dr. Margono Soekarjo. *Mandala Of Health*. 16(1):1–7.
- Wahyuningrum SA, Bahar M, Pramono AP. 2021. Uji Daya Hambat Isolat Actinomycetes sebagai Antibakteri terhadap Pertumbuhan *Pseudomonas aeruginosa* ATCC 27853 secara In Vitro. *Jurnal Kesehatan Andalas*. 10(1):16–22.
- Wahyuningsih R, Adawiyah R, Sjam R, Prihartono J, Wulandari EAT, Rozaliyani A, Ronny R, Imran D, Tugiran M, Siagian FE, *et al.* 2021. Serious fungal

- disease incidence and prevalence in Indonesia. *Mycoses*. 64(10):1203–1212.
- Wang M, Liu H, Dang Y, Li D, Qiao Z, Wang G, Liu G, Xu J, Li E. 2023. Antifungal Mechanism of Cinnamon Essential Oil against Chinese Yam-Derived *Aspergillus niger*. *J Food Process Preserv*. 2023:1–9.
- Wang W, Cai T, Yang Y, Guo H, Shang Z, Shahid H, Zhang Y, Qiu S, Zeng X, Xu X, *et al*. 2023. Diversity of Fungal Communities on Diseased and Healthy *Cinnamomum burmannii* Fruits and Antibacterial Activity of Secondary Metabolites. *Microbiol Spectr*. 11(3):1–21.
- Wardatun S, Rustiani E, Alfiani N, Rissani D. 2017. Study effect type of extraction method and type of solvent to cinnamaldehyde and trans-cinnamic acid dry extract cinnamon (*Cinnamomum burmannii* [Nees & t, Nees]Blume). *Journal of Young Pharmacists*. 9(1):49–51.
- Widiantara IM, Basri BS. 2020. Ekstraksi Beta Karoten Dari Buah Kelapa Sawit (*Elaeis Guineensis*) Dengan Dua Jenis Pelarut. *Gorontalo Agriculture Technology Journal*. 3(1):38–44.
- Widyaningrum T, Rizqiyah AA. 2023. Pengaruh Rasio Crude Enzim Selulase *Trichoderma reesei* dan *Aspergillus niger* terhadap Kadar Gula dan Bioetanol Fermentasi Kulit Kacang Tanah (*Arachis hypogaea* L.) Menggunakan *Zymomonas mobilis*. *Bioscientist : Jurnal Ilmiah Biologi*. 11(2):1615–1629.
- Willian N, Pardi H. 2022. *Pemisahan Kimia*. Kepulauan Riau: UMRAH Press.
- Wulandari S, Nisa YS, Taryono, Indarti S, Sayekti RRS. 2021. Sterilisasi Peralatan dan Kultur Jaringan. *Agrinova: Journal of Agrotechnology Innovation*. 4(2):16–19.
- Yu FT, Shen YY, Qin YL, Pang YY, Fan HL, Peng JJ, Pei XD, Liu XL. 2022. Isolation and purification of antibacterial lipopeptides from *Bacillus velezensis* YA215 isolated from sea mangroves. *Front Nutr*. 9:1–15.
- Yuliarni FF, Kun Arisawati D, Sari RDW, Ratna K. 2022. Ekstraksi Jamur *Auricula* Dengan Menggunakan Pelarut Etanol dan Metanol. *Jurnal Teknologi Technoscintia* . 14(2):129–137.
- Yuwanda A, Adina AB, Budiastuti RF. 2023. Kayu Manis (*Cinnamomum burmannii* (Nees & T. Nees) Blume): Review tentang Botani, Penggunaan

Tradisional, Kandungan Senyawa Kimia, dan Farmakologi. *Journal of Pharmacy and Halal Studies*. 1(1):1–6.

Zhang QW, Lin LG, Ye WC. 2018. Techniques for extraction and isolation of natural products: A comprehensive review. *Chinese Medicine (United Kingdom)*. 13(1):1–26.

Zhu C, Lei M, Andargie M, Zeng J, Li J. 2019. Antifungal activity and mechanism of action of tannic acid against *Penicillium digitatum*. *Physiol Mol Plant Pathol*. 107:46–50.

Zuchrullah M, Nurdin E, Puni R. 2023. Media Alternatif Ekstrak Ubi Jalar Sebagai Media Tumbuh Jamur *Aspergillus* sp dan *Candida* sp Pada Serumen Telinga Petani di Kelurahan Dorpedu Kota Ternate. *Jurnal Celebes Biodiversitas*. 6(1):27–37.

