DAFTAR PUSTAKA

Achinas, S., Charalampogiannis, N., & Euverink, G. J. W. (2019). A brief recap of microbial adhesion and biofilms. Applied Sciences (Switzerland), 9(14). https://doi.org/10.3390/app9142801

Achmad, Elis Nina Herliyana, & Eti Artiningsih Octaviani. (2013). Pengaruh pH, Penggoyangan Media, dan Penambahan Serbuk Gergaji terhadap Pertumbuhan Jamur *Xylaria sp*. Influence of pH, Shaked Medium, and Addition of Sawdust on the Growth of Xylaria sp.

Ainurrochmah, A., Ratnasari, E., & Lisdiana, L. (2013). Efektivitas ekstrak daun binahong (Anredera cordifolia) terhadap penghambatan pertumbuhan bakteri Shigella flexneri dengan metode sumuran. Lentera Bio, 2(3), 233-237.

Altun, M., & Yapici, B. M. (2022). Determination of chemical compositions and antibacterial effects of selected essential oils against human pathogenic strains. Anais da Academia Brasileira de Ciências, 94, e20210074.

Amalia, M., Yosuana, P. S., Mohammad, I. S., Nababan, F. S. R., Zulkarnain, Wulandari, P., ... & Syahputra, A. (2023). Inhibitory test of andaliman (Zanthoxylum achantopodium DC) extract mouthwash against dental plaque bacteria.

Ambarawati, I Gusti Agung Dyah, Sukrama, I Dewa Made, Sukrama, I Dewa Made. 2020. Deteksi gen Gtf-B Streptococcus mutans dalam plak dengan gigi karies pada siswa di SD N 29 Dangin Puri. Intisari Sains Medis, 1049-1055, 11(3)

Ameer, K., Shahbaz, H. M., & Kwon, J. H. (2017). Green extraction methods for polyphenols from plant matrices and their byproducts: A review. Comprehensive Reviews in Food Science and Food Safety, 16(2), 295-315.

Aprilia, N., Wijayati, N., Cahyono, E., & FristyaYuniar, A. A. (2021). Potensi Antioksidan Senyawa α-Pinene dan Turunan Monoterpene dari Minyak Atsiri. Minyak Atsiri: Produksi dan Aplikasinya untuk Kesehatan, 226-259.

Asbur, Y. , &, & Khairunnisyah, K. (2018). Pemanfatan andaliman (Zanthoxylum acanthopodium DC) sebagai tanaman penghasil minyak atsiri. Kultivasi, 17(1), 537-543.

Astannudinsyah, R. R. A. , & B. A. (2019). Faktor-Faktor Yang Berhubungan Dengan Status Karies Gigi Pada Anak Sekolah Min 1 Kota Banjarmasin. Jurnal Kesehatan Indonesia.

Ayu, D. F., Nadi, B. S., & Ali, A. (2018). Karakteristik dan aktivitas antibakteri minyak atsiri rimpang jeringau (Acoruscalamus L.) terhadap Staphylococcus

aureus dan Escherichia coli pada sabun transparan. Jurnal Teknologi Industri Pertanian, 28(2).

Bestari, Y. *, Budiman, J., Huriyati, E., Djamal, A., Machmud, R., Irfandy, D., Telinga, B., Tenggorok -Bedah, H., Leher, K., Kedokteran, F., Riau, U., Mikrobiologi, B., & Andalas, U. (2017). Peran biofilm bakteri terhadap derajat keparahan rinosinusitis kronis berdasarkan skor Lund-Mackay (Vol. 47, Issue 2).

Bhowmik, D., Chetri, S., Das, B. J., Dhar Chanda, D., & Bh attacharjee, A. (2021). Distribution of virulence genes and SCCmec types among methicillin-resistant Staphylococcus aureus of clinical and environmental origin: a study from community of Assam, India. BMC Research Notes, 14(1). https://doi.org/10.1186/s13104-021-05473-3

Chemat, F., Rombaut, N., Sicaire, A. G., Meullemiestre, A., Fabiano-Tixier, A. S., & Abert-Vian, M. (2017). Ultrasound assisted extraction of food and natural products. Mechanisms, techniques, combinations, protocols and applications. A review. In Ultrasonics Sonochemistry (Vol. 34, pp. 540–560). Elsevier B.V. https://doi.org/10.1016/j.ultsonch.2016.06.035

Crevelin, E. J., Caixeta, S. C., Dias, H. J., Groppo, M., Cunha, W. R., Martins, C. H. G., & Crotti, A. E. M. (2015). Antimicrobial Activity of the Essential Oil of Plectranthus neochilus against Cariogenic Bacteria. Evidence-Based Complementary and Alternative Medicine, 2015. https://doi.org/10.1155/2015/102317

Dewi, Z. Y., Nur, A., & Hertriani, T. (2015). Efek antibakteri dan penghambatan biofilm ekstrak sereh (Cymbopogon nardus L.) terhadap bakteri Streptococcus mutans. *Majalah Kedokteran Gigi Indonesia*, *1*(2), 136-141.

Dianawati, N., Setyarini, W., Widjiastuti, I., Ridwan, R. D., & Kuntaman, K. (2020). The distribution of Streptococcus mutans and Streptococcus sobrinus in children with dental caries severity level. Dental Journal, 53(1), 36–39. https://doi.org/10.20473/j.djmkg.v53.i1.p36-39

Djuang, M. H., Syahputri, N. R., Silitonga, R., & Chiuman, L. (2022). Antimicrobial Effectiveness Of Fruit Extracts Andaliman (Zanthoxylum Acanthopodium DC) AGAINST Staphylococcus epidermidis Bacteria. In Journal health and Science ; Gorontalo journal health & Science Community (Vol. 6, Issue 1).

Dong, Hongmin, Qing Zhang, Lu Li, Ji Liu, Liwen Shen, Huiyan Li, and Wen Qin. "Antioxidant activity and chemical compositions of essential oil and ethanol extract of Chuanminshen violaceum." Industrial Crops and Products 76 (2015): 290-297.

Egra, S., Mardhiana, M., Rofin, M., Adiwena, M., Jannah, N., Kuspradini, H., & Mitsunaga, T. (2019). Aktivitas antimikroba ekstrak bakau (Rhizophora

mucronata) dalam menghambat pertumbuhan Ralstonia solanacearum penyebab penyakit layu. Agrovigor: Jurnal Agroekoteknologi, 12(1), 26-31.

Fachrudin, F., Velayas, A. I., Mahfud, M., & Qadariyah, L. (2016). Ekstraksi minyak bunga cempaka dengan metode hidrodistilasi dan hidrodistilasi dengan aliran udara. Jurnal Teknik ITS, 5(2), F232-F235.

Fitri, W., Tarigan, Y. G., Silitonga, E. M., & julfitra Telambenua, F. (2022). Aktivitas Antibakteri Minyak Atsiri Buah Andaliman (Zanthoxylum acanthopodium DC) Terhadap Bakteri Streptococcus mutans dan Propionibacterium acne. *JURNAL TEKNOLOGI KESEHATAN DAN ILMU SOSIAL (TEKESNOS)*, *4*(1), 445-452.

Furtuna, D. K., Debora, K., & Wasito, E. B. (2018). Comparison Of Microbial Examination By Test Tube And Congo Red Agar Methods To Detect Biofilm Production On Clinical Isolates. In Folia Medica Indonesiana (Vol. 54, Issue 1)

Gubali, D. D. R., Rasdianah, N., Akuba, J., Abdulkadir, W. S., & Uno, W. Z. (2024). ANTIBIOFILM ACTIVITY OF MANGOSTEEN (Garcinia mangostana L.) LEAF EXTRACT AGAINST COLLECTION OF BACTERIAL ISOLATES FROM DIABETIC ULCERS. BIOLINK (Jurnal Biologi Lingkungan Industri Kesehatan), 10(2), 138-148.

HADISAPUTRA, D. (2018). *DAYA HAMBAT EKSTRAK PROPOLIS TERHADAP AKTIVITAS ENZIM GLUKOSILTRANSFERASE (GTF) Lactobacillus acidophilus* (Doctoral dissertation, Universitas Airlangga).

Herdiyati, Y., Atmaja, H. E., Satari, M. H., & Kurnia, D. (2020). Potential Antibacterial Flavonoid from Buah Merah (Pandanus conodieus Lam.) Against Pathogenic Oral Bacteria of Enterococcus faecalis ATCC 29212. The Open Dentistry Journal, 14(1), 433–439. https://doi.org/10.2174/1874210602014010433

Hu, L., He, C., Zhao, C., Chen, X., Hua, H., & Yan, Z. (2019). Characterization of oral candidiasis and the Candida species profile in patients with oral mucosal diseases. Microbial Pathogenesis, 134. https://doi.org/10.1016/j.micpath.2019.103575

Jamal, M., Ahmad, W., Andleeb, S., Jalil, F., Imran, M., Nawaz, M. A., Hussain, T., Ali, M., Rafiq, M., & Kamil, M. A. (2018). Bacterial biofilm and associated infections. In Journal of the Chinese Medical Association (Vol. 81, Issue 1, pp. 7–11). Elsevier Ltd. https://doi.org/10.1016/j.jcma.2017.07.012

Karpiński, T. M., Ożarowski, M., Seremak-Mrozikiewicz, A., Wolski, H., & Adamczak, A. (2021). Plant preparations and compounds with activities against biofilms formed by Candida spp. Journal of Fungi, 7(5), 360.

Kementerian Kesehatan RI. (2018). Hasil Utama data Rikerdas 2018. https://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-riskesdas-2018_1274.pdf

Khafidhoh, Z., Sinto Dewi, S., Iswara, A., & Ilmu Keperawatan dan Kesehatan, F. (2015). Efektivitas Infusa Kulit Jeruk Purut (*Citrus hystrix* DC.) Terhadap Pertumbuhan *Candida albicans* Penyebab Sariawan Secara in vitro.

Khan, S., Imran, M., Imran, M., & Pindari, N. (2017). Antimicrobial activity of various ethanolic plant extracts against pathogenic multi drug resistant Candida spp. Bioinformation, 13(3), 67.

Kim, S.-Y., Bae, I. K., Lee, J.-H., Shin, J. H., & Kim, J.-B. (2020). Molecular epidemiology and characterization of Streptococcus mutans strains in Korea . Journal of Korean Academy of Oral Health, 44(1), 34. https://doi.org/10.11149/jkaoh.2020.44.1.34

Kining, Ekajayanti, Syamsul Falah, and Novik Nurhidayat. "The in vitro antibiofilm activity of water leaf extract of papaya (Carica papaya L.) against Pseudomonas aeruginosa." Curr Biochem 2.3 (2017): 150-63.

Koresy, D. S. R., & Jayuska, A. (2019). Isolasi Dan Aktivitas Antibakteri Minyak Atsiri Daun Gugur Eucalyptus Staigeriana. Jurnal Kimia Khatulistiwa, 8(1).

Krzyściak, W., Jurczak, A., Kościelniak, D., Bystrowska, B., & Skalniak, A. (2014). The virulence of Streptococcus mutans and the ability to form biofilms. In European Journal of Clinical Microbiology and Infectious Diseases (Vol. 33, Issue 4, pp. 499–515). Springer Verlag. https://doi.org/10.1007/s10096-013-1993-7

Lemos, J. A., Palmer, S. R., Zeng, L., Wen, Z. T., Kajfasz, J. K., Freires, I. A., Abranches, J., & Brady, L. J. (2019). The Biology of Streptococcus mutans . Microbiology Spectrum, 7(1). https://doi.org/10.1128/microbiolspec.gpp3-0051-2018

Lestari, P. E. (2015). Peran Faktor Virulensi Pada Patogenesis Iinfeksi Candida albicans.

Liantari, Diah Septia. "Effect of wuluh starfruit leaf extract for Streptococcus mutans growth." J. Majority 3.7 (2014): 27-33.

Luthfi, M., Kriswandini, I. L., & Zaba, F. H. (2017). Synergistic effect of the combination of Cinnamomum burmanii, vigna unguiculata, and papain exracts derived from carica papaya latex against C. albicans biofilms degradation. Dental Journal (Majalah Kedokteran Gigi), 49(2), 71. https://doi.org/10.20473/j.djmkg.v49.i2.p71-75

Maftuhah, A., Harnina Bintari, S., Mustikaningtyas, D., & Raya Sekaran Gunungpati Semarang Indonesia, J. (2015). Siti Harnina Bintari & Dewi Mustikaningtyas. In Unnes Journal of Life Science (Vol. 4, Issue 1). http://journal.unnes.ac.id/sju/index.php/UnnesJLifeSci

Malau, A. G., Widyasanti, A., & Putri, S. H. (2021). Optimization of Ultrasonic Assisted Extraction Process on Antioxidant Activity of Honje Fruit Extract (Etlingera

elatior) using Surface Response Method. Jurnal Kimia Valensi, 7(2), 118–128. https://doi.org/10.15408/jkv.v7i2.21396

Marlia Ferdayanti, Prof. Hardjono Sastrohamidjojo, & Riyanto. (2014). Pemekatan Sitronelal Dalam Minyak Sereh Wangi (Cymbopogon Nardus L.) Dengan Fraksinasi Distilasi Dan Identifikasi Menggunakan KG-SM.

Mayer, F. L., Wilson, D., & Hube, B. (2013). Candida albicans pathogenicity mechanisms. In Virulence (Vol. 4, Issue 2, pp. 119–128). Taylor and Francis Inc. https://doi.org/10.4161/viru.22913

Metwalli, K. H., Khan, S. A., Krom, B. P., & Jabra-Rizk, M. A. (2013). Streptococcus mutans, Candida albicans, and the Human Mouth: A Sticky Situation. PLoS Pathogens, 9(10). https://doi.org/10.1371/journal.ppat.1003616

Mulyani, S., Adriani, M., & Wirjatmadi, B. (2021). Antibacterial Activity of Extract Ethanol Bidara Leaves (Ziziphus spina-Christi L) on Enteropathogenic coli. Indian Journal of Forensic Medicine & Toxicology, 15(1).

Muñoz, J. E., Rossi, D. C., Jabes, D. L., Barbosa, D. A., Cunha, F. F., Nunes, L. R., ... & Pelleschi Taborda, C. (2020). In vitro and in vivo inhibitory activity of limonene against different isolates of Candida spp. Journal of Fungi, 6(3), 183.

Mutiawati, V. K. (2016). Pemeriksaan Mikrobiologi Pada *Candida albicans*

Nasution, H., & Syahputra, A. (2023). Inhibitory test of andaliman (Zanthoxylum achantopodium DC) extract mouthwash against dental plaque bacteria. Majalah Kedokteran Gigi, 56(2), 92-97.

Ningsih, A. W., & Nurrosyidah, I. H. (2020). Pengaruh perbedaan metode ekstraksi rimpang kunyit (Curcuma domestica) terhadap rendemen dan skrining fitokimia. Journal Of Pharmaceutical Care Anwar Medika (J-Pham), 2(2), 96-104.

Novitasari, N., & Jubaidah, S. (2018). Perbandingan metode ekstraksi terhadap rendemen ekstrak daun rambai laut (Sonneratia caseolaris L. Engl). Jurnal Ilmiah Manuntung, 4(1), 79-83.

Nugraha, A. C., Prasetya, A. T., & Mursiti, S. (2017). Isolasi, identifikasi, uji aktivitas senyawa flavonoid sebagai antibakteri dari daun mangga. *Indonesian Journal of Chemical Science*, *6*(2), 91-96.

O'Toole, G. A. (2010). Microtiter dish Biofilm formation assay. Journal of Visualized Experiments, 47. https://doi.org/10.3791/2437

Olszewska, M. A., Gędas, A., & Simões, M. (2020). The effects of eugenol, trans-cinnamaldehyde, citronellol, and terpineol on Escherichia coli biofilm control as assessed by culture-dependent and-independent methods. Molecules, 25(11), 2641.

Ozaydin, I., Hakki Cigerci, I., Ehsan, M., Hassan, M., Liang, J., & Haq, U. S. (2022). Enhancing activity of β-lactam and fluoroquinolones antibiotics by artemisinin and its derivatives against MDR Escherichia coli.

Pa, E. T., Sinaga, H., & Ridwansyah. (2019). The effect of addition of andaliman (Zanthoxylum acanthopodium DC) on the quality of andaliman condiment. IOP Conference Series: Earth and Environmental Science, 260(1). https://doi.org/10.1088/1755-1315/260/1/012099

Paczkowski, J. E., Mukherjee, S., McCready, A. R., Cong, J. P., Aquino, C. J., Kim, H., ... & Bassler, B. L. (2017). Flavonoids suppress Pseudomonas aeruginosa virulence through allosteric inhibition of quorum-sensing receptors. Journal of Biological Chemistry, 292(10), 4064-4076.

Panggabean, L., Nurhamidah, N., & Handayani, D. (2020). Profil fitokimia dan uji sitotoksik ekstrak etanol tumbuhan Zanthoxylum acanthopodium DC (Andaliman) menggunakan metode BSLT. *ALOTROP*, *4*(1).

Patricia, A. D., Jumaeri, J., & Mahatmanti, F. W. (2019). Uji Daya Antibakteri Gel Hand Sanitizer Minyak Atsiri Seledri (Apium graveolens). Indonesian Journal of Chemical Science, 8(1), 28-33.

Prabowo, F. R. P., Mujahid, I., & Mulyanto, A. (2021). Potensi Air Kelapa Muda Dan Air Kelapa Obat Terhadap Pertumbuhan Bakteri Methicillin-Resistant Staphylococcus Aureus (MRSA) Dengan Metode Dilusi. Jurnal Analis Medika Biosains (JAMBS), 8(2), 99-107.

Purwantiningsih, T. I., Rusae, A., & Freitas, Z. (2019). Uji in vitro antibakteri ekstrak bawang putih sebagai bahan alami untuk celup puting. Sains Peternakan: Jurnal Penelitian Ilmu Peternakan, 17(1), 1-4.

Rahmawati, F., Yang, J. J., & Bavelina, I. R. (2022). Potensi Antijamur Ekstrak Andaliman (Zanthoxylum acanthopodium) terhadap Candida albicans. *Jurnal Pro-Life*, *9*(3), 610-620.

Rahmi, E. P., Makkiyah, F. A., Septama, A. W., Tasfiyati, A. N., & Dewi, R. T. (2023). Phytochemical Analysis and Antioxidant Activity of Zanthoxylum acanthopodium DC. Essential Oils. *Matrix Science Pharma*, *7*(1), 22-26.

Ranganathan, V., & Akhila, C. (2019). Streptococcus mutans: has it become prime perpetrator for oral manifestations? Journal of Microbiology & Experimentation, 7(4). https://doi.org/10.15406/jmen.2019.07.00261

Rekayasa, J., Agroindustri, M., Chairunnisa, S., Wartini, N. M., & Suhendra, L. (2019). Pengaruh Suhu dan Waktu Maserasi terhadap Karakteristik Ekstrak Daun Bidara (Ziziphus mauritiana L.) sebagai Sumber Saponin Effect of Temperature and

Maseration Time on Characteristics of Bidara Leaf Extract (Ziziphus mauritiana L.) as Saponin Source.

Rienoviar, R., & Setyaningsih, D. (2018). Studi senyawa aroma ekstrak andaliman (Zanthoxylum acanthopodium) dari beberapa pelarut menggunakan gas chromatography-mass spectra (GC-MS). *Indonesian Journal of Industrial Research*, *35*(2), 85-90.

Rodriguez-Urretavizcaya, B., Pascual, N., Pastells, C., Martin-Gomez, M. T., Vilaplana, L., & Marco, M. P. (2021). Diagnosis and Stratification of Pseudomonas aeruginosa Infected Patients by Immunochemical Quantitative Determination of Pyocyanin From Clinical Bacterial Isolates. Frontiers in Cellular and Infection Microbiology, 11. https://doi.org/10.3389/fcimb.2021.786929

Rosidah, Hasibuan, P. A. Z., Haro, G., Masri, P., & Satria, D. (2018). Antioxidant activity of alkaloid fractions of zanthoxylum acanthopodium dc. Fruits with 1,1-diphenyl-2-picrylhydrazyl assay. Asian Journal of Pharmaceutical and Clinical Research, 11(Special Issue 1), 33–34. https://doi.org/10.22159/ajpcr.2018.v11s1.26560

Rusmiyanto Pancaning Wardoyo, E., Anggraeni, W., & Ashari Oramahi, H. (2020). BIOTEKNOLOGI & BIOSAINS INDONESIA Antifungal Activity of Wood Vinegar derived from Oil Palm Empty Bunches against Colletotrichum sp. (WA2). http://ejurnal.bppt.go.id/index.php/JBBI

Salsabila, G., Budiarti, L. Y., & Khatimah, H. (2023). NILAI KOEFISIEN FENOL DAN JUMLAH KOLONI BAKTERI Escherichia coli PADA PERLAKUAN EKSTRAK KOMBINASI KULIT BUAH Citrus aurantifolia Swingle DAN Citrus hystrix DC. Homeostasis, 6(1), 245-256.

Saputera, M. M. A., Marpaung, T. W. A., & Ayuchecaria, N. (2019). Konsentrasi hambat minimum (KHM) kadar ekstrak etanol batang bajakah tampala (Spatholobus Littoralis Hassk) terhadap bakteri Escherichia coli melalui metode sumuran. *Jurnal Ilmiah Manuntung*, *5*(2), 167-173.

Saragih, D. E., & Arsita, E. V. (2019). Kandungan fitokimia Zanthoxylum acanthopodium dan potensinya sebagai tanaman obat di wilayah Toba Samosir dan Tapanuli Utara, Sumatera Utara. In *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia* (Vol. 5, No. 1, pp. 71-76).

Sari, N. N. G., Dermawan, I. G. N. P., & Dewi, A. R. K. (2023). A comparison of the effectiveness of gargling green tea and black tea on halitosis reduction. Makassar Dental Journal, 12(2), 149-152.

Sastry, A. S., & Bhat, S. (2018). Essentials of medical microbiology. 1st edn, Encephale. Edited by Anand Janagond. New Delhi: Jatpee Brothers Medical Publishers. http://dx.doi.org/10.1016/j.encep.2012.03.001.

SAVITRI, A. A., & PRAMI, M. (2018). UJI DAYA HAMBAT PERASAN BUAH JERUK NIPIS DENGAN BERBAGAI KONSENTRASI TERHADAP Pseudomonas aeruginosa (Doctoral dissertation, JURUSAN ANALIS KESEHATAN).

Senduk, T. W., Montolalu, L. A. D. Y., & Dotulong, V. (2020). Rendemen Ekstrak Air Rebusan Daun Tua Mangrove Sonneratia alba (The rendement of boiled water extract of mature leaves of mangrove Sonneratia alba). Jurnal Perikanan Dan Kelautan Tropis, 11(1), 9-15.

Sepriani, O., Nirhamidah, N., & Handayani, D. (2020). Potensi Ekstrak Tumbuhan Andaliman (Zanthoxylum Acanthopodium Dc.) Sebagai Antibakteri Staphylococcus Aureus. *ALOTROP*, *4*(2), 133-139.

Silvério, M. S., Del-Vechio-Vieira, G., Pinto, M. A. O., Alves, M. S., & Sousa, O. V. (2013). Chemical composition and biological activities of essential oils of Eremanthus erythropappus (DC) McLeisch (Asteraceae). Molecules, 18(8), 9785–9796. https://doi.org/10.3390/molecules18089785

Simbolon, W. I., Kardhinata, E. H. , Bangun, M. K. , &, & Simatupang, S. (2018). Identifikasi Karakter Morfologis Andaliman (Zanthoxylum acanthopodium DC.) di Beberapa Kabupaten di Sumatera Utara: Identification of Morphological Characteristic of Andaliman (Zanthoxylum acanthopodium DC.) in SomeDistricts of North Sumatra.

Sri Maharani Utami, P., & Rahayu, M. (2020). Efek Ekstrak Etanol Daun Kemangi (Ocimum sanctum) dalam Menghambat Pembentukan Biofilm Staphylococcus aureus secara In Vitro The Effect of Basil Leaves Ethanol Extract (Ocimum sanctum) in Inhibiting The Establishment of Staphylococcus aureus biofilms with In Vitro Method. In Journal of Agromedicine and Medical Sciences (Vol. 6, Issue 3).

Subramenium, G. A., Vijayakumar, K., & Pandian, S. K. (2015). Limonene inhibits streptococcal biofilm formation by targeting surface-associated virulence factors. Journal of medical microbiology, 64(8), 879-890.

Sultan, A. M., & Nabiel, Y. (2018). Tube method and Congo red agar versus tissue culture plate method for detection of biofilm production by uropathogens isolated from midstream urine: Which one could be better? African Journal of Clinical and Experimental Microbiology, 20(1), 60. https://doi.org/10.4314/ajcem.v20i1.9

Suryaningsih, A., Chumaeroh, S., & Benyamin, B. (2015). Uji efektifitas ekstrak anggur merah (Vitis vinivera) terhadap Pertumbuhan Candida albicans secara in vitro. Jurnal Medali, 2(1), 5-8.

Sundu, R., & Handayani, F. (2018). uji aktivitas antibakteri ekstrak etanol umbi paku atai merah (Angiopteris ferox Copel) terhadap Propionibacterium acnes. Medical Sains: Jurnal Ilmiah Kefarmasian, 2(2), 75-82.

Suryana, S., Nuraeni, Y. Y. A., & Rostinawati, T. (2017). Aktivitas Antibakteri Ekstrak Etanol Dari Lima Tanaman Terhadap Bakteri Staphylococcus Epidermidis Dengan Metode Mikrodilusi M7-A6CLSI 1,2 Antibacterial Activity Of Five Plant Ethanol Extract Against Staphylococcus Epidermidis Bacteria With Microdilution M7-A6CLSI Method (Vol. 4, Issue 1).

Syed, F., Akhtar, N., Arif, M. A., Ramzan, A. R., Niazi, R., Hasnain, S. ubaid, Hanif, M. D., Asghar, S., & Naheed, A. (2021). A cross sectional study to assess nasal carriage of methicillin resistant Staphylococcus aureus in healthcare professionals in a tertiary care hospital. Journal of the Pakistan Medical Association, 71(1 B), 205–209. https://doi.org/10.47391/JPMA.062

Talapko, J., Juzbašić, M., Matijević, T., Pustijanac, E., Bekić, S., Kotris, I., & Škrlec, I. (2021). Candida albicans-the virulence factors and clinical manifestations of infection. Journal of Fungi, 7(2), 1–19. https://doi.org/10.3390/jof7020079

Tatli Cankaya, I. I., & Somuncuoglu, E. I. (2021). Potential and prophylactic use of plants containing saponin‐type compounds as antibiofilm agents against respiratory tract infections. Evidence‐Based Complementary and Alternative Medicine, 2021(1), 6814215.

Thakre, A., Zore, G., Kodgire, S., Kazi, R., Mulange, S., Patil, R., ... & Karuppayil, S. M. (2018). Limonene inhibits Candida albicans growth by inducing apoptosis. Medical mycology, 56(5), 565-578.

Vina Septiani, Anna Choirunnisa, & Akhirul Kahfi Syam. (2017). Uji Aktivitas Antimikroba Ekstrak Etanol Daun Karuk (Piper sarmentosum Roxb.) Terhadap Streptococcus mutans DAN Candida albicans.

Wahyuni, S., Dewi, S. S., & Wilson, W. (2018). activities of ethanol extracts of lemongrass (cymbopogon citratus) towards growth Staphylococcus aureus and Candida albicans. Repository. Unimus. Ac. Id. http://repository. unimus. ac. id/id/eprint/3185.

Wang, Y., Shen, X., Ma, S., Guo, Q., Zhang, W., Cheng, L., Ding, L., Xu, Z., Jiang, J., & Gao, L. (2020). Oral biofilm elimination by combining iron-based nanozymes and hydrogen peroxide-producing bacteria. Biomaterials Science, 8(9), 2447–2458. https://doi.org/10.1039/c9bm01889a

Wardhani, D. H., Sari, D. K., & Prasetyaningrum, A. (2013). Ultrasonic-Assisted Extraction of Antioxidant Phenolic Compunds From Eucheuma Cottonii (Vol. 14, Issue 4).

Warna Aju Fatmawati Bagian Konservasi Gigi, D., Kedokteran Gigi, F., Jember, U., Warna Aju Bagian Konservasi Gigi, D. F., & Jember Jl Kalimantan, U. (2015). Hubungan Biofilm Streptococcus mutans terhadap Resiko Terjadinya Karies Gigi.

Wassel, M. O., & Khattab, M. A. (2017). Antibacterial activity against Streptococcus mutans and inhibition of bacterial induced enamel demineralization of propolis, miswak, and chitosan nanoparticles based dental varnishes. Journal of Advanced Research, 8(4), 387–392. https://doi.org/10.1016/j.jare.2017.05.006

Wenji, K. Y., Rukmi, I., & Suprihadi, A. (2019). In vitro antifungal activity of methanolic and chloroform mint leaves (mentha piperita L.) Extracts against Candida albicans. Journal of Physics: Conference Series, 1217(1). https://doi.org/10.1088/1742-6596/1217/1/012136

Whitman, William.B. 2009. Bergey's Manual of Determinative Bacteriology. 2nd edition. Cambridge University Press. New York. Mustafa, M, S, M, D, "Antibacterial Activity O

Widya Fitri, Y. G. T. E. M. S. F. J. T. (2021). Aktivitas Antibakteri Minyak Atsiri Andaliman (Zanthoxylum acanthopodium DC) Terhadapa bakteri *Streptococcus mutans* dan *Propionibacterium acne.*

Yanti, Y., Gea, B. P., & Lay, B. W. (2019). Antihalitosis effect of essential oil extracted from Zanthoxylum acanthopodium fruits. Jurnal Teknologi, 81(5).

Yosephine, A. D., Wulanjati, M. P., Saifullah, T. N., & Astuti, P. (2013). Mouthwash formulation of basil oil (Ocimum basilicum L.) and in vitro antibacterial and antibiofilm activities against Streptococcus mutans. *Majalah Obat Tradisional*, *18*(2), 95-102.

Yulian, W., & Ismail, R. (2023). Uji Aktivitas Antijamur Fungi Endofit Tanaman Sarang Semut (Myrmecodia pendans) Terhadap Jamur Candida albicans.

Yuniarto, K., Muvianto, C. M. O., & Ernia, E. (2021). APLIKASI ULTRASOUND ASSISTED EXTRACTION UNTUK PRODUKSI MINYAK BAWANG PUTIH VARIETAS LOKAL. *Jurnal Teknologi Pertanian*, *22*(3), 177-186.

Zayed, S. M., Aboulwafa, M. M., Hash─em, A. M., & Saleh, S. E. (2021). Biofilm formation by Streptococcus mutans and its inhibition by green tea extracts. AMB Express, 11(1). https://doi.org/10.1186/s13568-021-01232-6

Zhang, K., Li, X., Yu, C., & Wang, Y. (2020). Promising Therapeutic Strategies Against Microbial Biofilm Challenges. In Frontiers in Cellular and Infection Microbiology (Vol. 10). Frontiers Media S.A. https://doi.org/10.3389/fcimb.2020.00359