

## DAFTAR PUSTAKA

- Abdesslem, S.B., Boulares, M., Elbaz, M., Moussa, O.B., St-Gelais, A., Hassouna, M., dan Aider, M., (2020) Chemical Composition and Biological Activities of Fennel (*Foeniculum vulgare* Mill.) Essential Oils and Ethanolic Extracts of Conventional and Organic Seeds. *J Food Process Preserve*. 45(1): 1-13.
- Abdul, A., Safitri, F. W., Purbowati, R., (2020) Efek Pemberian Ekstrak Etanol Buah Adas (*Foenicullum vulgare* Mill.) terhadap Kadar Hormon Prolaktin Tikus Putih Betina Post Partum, *Pharmacoon*, 17(1): 1-8.
- Abullais, S., Dani, N., Hamiduddin, Priyanka, N., Kudyar, N., Gore, A., (2015) Efficacy of Irrigation with Different Antimicrobial Agents on Periodontal Health in Patients Treated for Chronic Periodontitis: A Randomized Controlled Clinical Trial, *A Randomized Controlled Clinical Trial*, 36(4): 380-386
- Al-Hizab, F. A., Hussein, Y. A., Haseeb, M. M. Barakat, S. E. M. Moqbel, M. S. (2018) Toxic-Pathological Studies of *Foeniculum vulgare* Plant in Mice. *Open Journal of Phatology*. 8(4): 123-131.
- Amaliya, A., Pribadi, S., Mukmin Akbar, Y., & Sitam, S. (2021) Periodontal Disease: A Rise in Prevalence In Military Troops. *In ODONTO Dental Journal*, 8(1): 6-17.
- Anka, Z.M., Gimba, S.N., Nanda, A., dan Salisu, L., (2020) Phytochemistry and Pharmacological Activities of *Foeniculum vulgare*. *IOSR Journal of Pharmacy*. 10(1): 1-10.
- Anisa, N., Riniwasih, L. K., (2020) Formulasi dan Aktivitas Antibakteri Sediaan Obat Kumur dari Ekstrak Etanol 96% Daun Ciplukan (*Physalis angulata* L.) Terhadap Bakteri *Streptococcus mutants*, *Indonesia Natural Research Pharmaceutical Journal*. 5(2): 70-82.
- Awaluddin, N., Wahyuningsih, S. and Maryani, S., (2019) Uji Aktivitas Antijamur Minyak Atsiri Buah Adas (*Foeniculum vulgare* Mill) terhadap *Candida albicans*, *Jurnal Farbal*, 7(1): 13–20.
- Bachtiar, R., Asmah, N., Arif, A. C., (2023) Efek Antibakteri Ekstrak Buah Kurma Ajwa (*Phoenix dactylifera* L) Terhadap Bakteri *Porphyromonas gingivalis*, *Indonesian Journal of Public Health*, 1(3): 260–267.
- Badgujar, S. B., Patel, V. V., Bandivdekar, A. H., (2014) *Foeniculum vulgare* Mill: A Review of It's Botany, Phytochemistry, Pharmacology, Contemporary Application, and Toxicology. *Biomed Research International*. 1(1): 1-28.

- Barakat, H., Alkabeer, I. A., Aljutaily, T., Almujoydil, M. S., Algeshairy, R. M., Alhomaïd, R. M., Almutairi, A. S., Mohammed, A. (2022) Phenolic and Volatile Compounds of Fennel (*Foeniculum vulgare* Seeds and Ther Sprouts Prevent Oxidative DNA Damage and Ameliorates CCl<sub>4</sub>-induced Hepatotoxicity and Oxidative Stress in Rats. *Antioxidants*, 11(12): 2318.
- Brookes, Z., Mcgrath, C., & Mccullough, M. (2023) Antimicrobial Mouthwashes: An Overview of Mechanisms-What Do We Still Need to Know. *International Dental Journal*, 73(1): 64-68.
- Budianto, Prajitno, A. and Yuniarti, A., (2015) Antibacterial Activity of Fennel (*Foeniculum vulgare* Mill) Extract on *Vibrio alginolyticus* and *Vibrio harveyi*, *Agritech*, 35(3): 266–272.
- Ching, L. H., Shivanand S. S., (2023) *Drying of herbs, Spices and Medicinal Plants*. Boca Raton: CRC Press.
- Dewi, L. Y. A. N., Rizka, A., & Puspaningrat, L. P. D. (2023) Formulasi Obat Kumur Minyak Atsiri Daun Cengkih (*Syzygium aromaticum*). *Jurnal Farmasi Kryonaut*, 2(2), 34-41.
- Duane, B., Yap, T., Neelakantan, P., Anthonappa, R., Bescos, R., Mcgrath, C., Mccullough, M., & € E Brookes, Z. (2023) Mouthwashes: Alternatives and Future Directions. *International Dental Journal*, 73(1): 89-97.
- European Medicines Agency. *Guideline on Quality of Herbal Medicinal products/traditional herbal medicinal products* (2022) Amsterdam: European Medicines Agency.
- Ekhtelat, M., Borujeni, F. K., Siahpoosh, A., Ameri, A. (2020) Chemical Composition and Antibacterial Effects of some Essential Oils Individually and In Combination with Sodium Benzoate Against Metchicillin-resistant *Staphylococcus aureus* and *Yersinia enterocolitica*. *Veterinary Research Forum*. 11 (4): 333-338.
- Fitriana, Y. A. N., Fatimah, V. A. N., dan Fitri, A. S., (2019) Aktivitas Anti Bakteri Daun Sirih: Uji Ekstrak KHM (Kadar Hambat Minimum) dan KBM (Kadar Bakterisidal Minimum). *Sainteks*. 16(2): 101-108.
- Gani, H.O., Hoq, O., dan Tamanna, T., (2019) Pharmacological and Phytochemical: Analysis of *Foeniculum vulgare* Mill: A review. *International Journal of Unani and Integrative Medicine*. 3(2): 13-18.
- Hamid, E. M., Thioritz, E., dan Haryuasrani, (2023) Penggunaan Obat Kumur Larutan Lidah Buaya (*Aloe vera*) pada Penyembuhan Luka Pasca *Scaling*. *Media Kesehatan Gigi*. 22(1): 19–24.

- Hariharan, S., Gayatri, K., Ravishankar, P L., Rajula., P. B., Rao, S., Kodali, M. V. R. M., Kalavani, V., Saravanan A.V., Esther, V., Brahma, S., (2024) Evaluation of the Antimicrobial Efficacy of Ethanolic and Aqueous Extracts of Licore (*Glycyrrhiza glabara*) Against a Periodontal Patogen. *Cureus*. 16(11): 1-8.
- Harun, N., & Febrianti S, E. (2022). Uji Efektivitas Antiseptik Obat Kumur Ekstrak Daun Sirih Hijau (*Piper betle L.*) Terhadap Bakteri Isolat Mulut. *Jurnal Sains Dan Kesehatan*, 4(3), 268–274.
- Huang, Q., Liu, X., Zhao, G., Hu, T., Wang, Y., (2018) Potential and Challenges of Tannins as An Alternative to In-Feed Antibiotics for Farm Animal Production. *Animal Nutrition*. 4(1): 137-150.
- Hudaya, A., Radiastuti, N., Sukandar, D., dan Djajanegara, I., (2020) Uji Aktivitas Antimikroba Ekstrak Air Kecombrang terhadap Bakteri *E. coli* dan *S. aureus* sebagai Bahan Pangan Fungsional. *Jurnal Biologi*. 7(1): 9-15.
- Jalaluddin, M., Mailankote, S., Sam, G., Penumatsa, N. V., Alazmah, A., Punde, P., (2020) Assessment of The Efficacy of Various Subgingival Irrigating Solution in Chronic Periodontitis: A Comparative Study. *World Journal of Dentistry*. 11(3): 221-225.
- Jing, W., Xiaolan, C., Yu, C., Feng, Q., Haifeng, Y., (2022) Pharmacological Effects and Mechanisms of Tannic Acid. *Biomedicine and Pharmacoteraphy*. 154(1): 1-8.
- Karetsi, V. A., Banti, C. N., Kourkoumelis, N., Papachristodoulou, C., Stalikas, C. D., Raptopoulou, C.P., Psycharis, V., Zoumpoulakis, P, Mavromoustakos, T., Sainis, I, Hadjikakou, S. K. (2019) An Efficient Disinfectant, Composite Material {SLS[Zn<sub>3</sub>(CitH)<sub>2</sub>]} as Ingredients for Development of Sterilized and Non-Infectious Contact Lens. *Antibiotics*. 8(213): 1-15.
- Kaur, G. J. & Arora, D. S. (2009) Antibacterial and Phytocemical Screening of Anethum graveolens, Foeniculum vulgare, and Trachyspernum ammi. *BMC Complement Altern Med*. 9(30):1-10.
- Kementrian Kesehatan RI. *Farmakope Indonesia Edisi IV* (2020) Jakarta: Kementerian Kesehatan Republik Indonesia.
- Kementrian Kesehatan RI. *Pokok Pokok Hasil Riskesdas (Riset Kesehatan Dasar)*, (2018) Jakarta: Kementerian Kesehatan RI; pp. 201–205.
- Kementrian Kesehatan RI. *Survei Kesehatan Indonesia (2023)* Jakarta: Kementrian Kesehatan Republik Indonesia; pp. 103.

- Khasanah, H. R., dan Nugraheni, D. E, (2021) Uji Aktivitas Antimikroba Ekstrak Etanol Biji Kebiul (*Casualpinia Bondus (L.) Roxb*) terhadap Pertumbuhan Bakteri *Staphylococcus aureus*. *Avicenna*,16(1):8-15.
- Khasyiun, M. R. D., Kamarudin, M., dan Amov, S.T., (2023) Uji Efektivitas Ekstrak Etanol Buah Jambu Biji Merah (*Psidium guajava L.*) dalam Menghambat Pertumbuhan Bakteri *Porphyromonas gingivalis* Penyebab Periodontitis. *IJD*. 3(5): 31-37.
- Kumar, R. S., Ankola, A. V., Nagamoti, M. B., Sankeshwari, R. M., Sutar, K. P., Jigan, S. I., Khot, A. J., (2024) Antibacterial and Cytotoxicity Properties of a Polyherbal Mouthwash containing *Achyranthes aspera* and *Trachyspermum ammi* Against Selected Periodontal Patogens. *Journal of Ayuverda and Integrative Medicine*. 5(15): 1-7.
- Kusdarwati, R., sari, L., dan Mukti, A.T., (2010) Daya Antibakteri Ekstrak Buah Adas (*Foeniculum vulgare*) terhadap Bakteri *Micrococcus luteus* Secara In Vitro. *Jurnal Ilmiah Perikanan dan Kelautan*. 2(1): 31-35.
- Laila, U., Akram, M., dan Hamouda, I.M., (2023) Medicinal Activities of Fennel. *Clinical Medical Reviews and Report*. 5(4): 1-3.
- Lasica, A., Golec, P., Laskus, A., Zalewska, M., Gedaj, M., dan Popowska, M., (2024) Periodontitis: Etiology, Conventional Treatments, and Emerging Bacteriophage and Predatory Bacteria Therapies, *Frontiers in Microbiology*. 15(1469414): 1–22.
- Mahmoudi, H., Arabestani, M.R, Molavi, M. Kamarolah, K. S., dan Fahim, N. Z., (2016) The Study Effect Antimicrobial of *Foeniculum vulgare mill* and *Achilles mille folium* Plant on Bacterial Pathogens Causing Urinary Tract Infections and Nosocomial Infection. *IJPPR*. 8(9): 3840-3486.
- Nurhayati, L.S., Yahdiyani, N., dan 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.
- Paliling, A., Posangi, J., Anindita, P. S., (2016) Uji Daya Hambat Eksrak Bunga Cengkeh (*Syzygium aromaticum*) terhadap Bakteri *Porphyromonas gingivalis*, *Jurnal e-Gigi (G)*, 4(2):229-234.
- Palungan, I., Bara, R. A., Mangindaan, R. E. P., Kemer, K., Wullur, S., dan Rembet, U. N. W., (2022) Aktivitas Antibakteri Ekstrak Spons *Stylissa carteri* dari Teluk Manado, Sulawesi Utara. *JIP*. 10(1):9-18.

- Paulita, M., Bhakti Purnamasari, C., Yani, S., Dihin Utami, N., Pengajar Departemen Periodonti, S., Studi Profesi Dokter Gigi, P., & Kedokteran, F. (2021) Uji Efektivitas Antiinflamasi Ekstrak Etanol Daun Sembung (*Blumea balsamifera (L.) DC*) Terhadap Gingiva Tikus Wistar Putih Pasca Induksi *Porphyromonas gingivalis*. In *Mulawarman Dental Journal*. 1(1): 1-9.
- Pratiwi, A. R., Hendiani, I., Pribadi, I. M. S. (2016) Perbandingan Berkumur Larutan Ekstrak Kulit Buah Manggis dan Enkasari Terhadap Penurunan Indeks Plak. *Jurnal Kedokteran Gigi Universitas Padjajaran*. 28(3): 172-177.
- Putri, C. F., Bachtiar, E. W., (2020). *Porphyromonas gingivalis* dan Patogenesis Disfungsi Kognitif : Analisis Peran Sitokin Neuroinflamasi. *Cakradonya Dent J*. 12(1): 15-23
- Purbowati, R., (2021) Uji Aktivitas Antioksidan Ekstrak Etanol Biji Adas (*Foeniculum vulgare*) Dengan Menggunakan Metode DPPH dan FRAP. *UIN Sahid Surakarta*.
- Pertiwi, F. D., Rezaldi, F., dan Puspitasari, R., (2022) Aktivitas Antibakteri Ekstrak Etanol Bunga Telang (*Clitoria ternatea L.*) Terhadap Bakteri *Staphylococcus epidermidis*. *Bioscience-tropic*. 7(2): 57-68.
- Rachim, S. A., Kurniawati, A., & Astuti, P. (2020). The Effect of Purple Leaf Extract (*Graptophyllum pictum L. Griff*) to The Amount of Fibroblast in Gingiva Rat Wistar induced by *Porphyromonas gingivalis*. *Denta, J. Kedokteran Gigi*, 14(2): 94–100.
- Radzki, D., Weglarz, M. W., Pruska, K., Krusiak, A., Kwasnica, I. O. (2022) A Fresh look at Mouthwashes-What is Inside and What is it For. *International Journal of Enviromental Research and Public Health*. 19(3926) : 1-24.
- Rastina, Sudarwanto, M., dan Wientarsih, I., (2015) Aktivitas Antibakteri Ekstrak Etanol Daun Kari (*Murraya Koenigii*) terhadap *Staphylococcus aureus*, *Escherichia coli*, dan *Pseudomonas sp.* *Jurnal Kedokteran Hewan*. 9(2): 185-188.
- Raymond, C. R., Paul, J. S., Marian, E. Q., (2009) *Handbook of Pharmaceutical excipients*. Washington. RPS Publishing.
- Sadiah, H. H., Cahyadi, A. I., dan Windria, S., (2022) Kajian Potensi Daun Sirih Hijau (*Piper betle L.*) sebagai Antibakteri. *Jurnal Sain Veteriner*. 40(2): 128-138.
- Sarkisova, F., Morse, Z., Lee, K., Bostanci, N., (2024) Oral Irrigation Devices: A Scoping Review. *Clinical and Experimental Dental Research*. 1(3): 1-20.

- Suganda, T., Rizqullah, A. F., dan Widiyanti, F. (2023) Ekstrak Biji Adas (*Foeniculum vulgare*) Efektif Menekan Jamur *Colletotrichum sp.* Penyebab Penyakit Antraknosa Cabai dalam Uji In Vitro, *Jurnal Agrikultura*. 34(2): 228–236.
- Sundaram, G., Ramakrishnan T., (2021) Effect of Piper Extract Mouthwash as Postprocedural Rinse on Levels of *Porphyromonas gingivalis* in Periodontitis Patiens. *Journal of Indian Society of Periodontology*. 25(5): 418-421.
- Susilo, M.Y., (2019) Potensi Buah Adas (*Foeniculum vulgare*) sebagai Gastroprotektor. *JIKSH*. 10(2): 346-349.
- Syahrul, D., Waliyanto, S., & Suwongto, P. S. (2023) The Use of Chlorhexidine Mouthworks Can Reduce The Accumulation of Dental Plaque in Users of Fixed Orthodontic Devices. *Interdental Jurnal Kedokteran Gigi (IJKG)*, 19(1): 43–48.
- Timilsena, Y. P., Phosanam, A., Stockmann, R., (2023) Perspectives on Saponins: Food Functionality and Applications. *International Journal of Molecular Sciences*. 21(13528): 1-19.
- Walczak-Nowicka, L. J., Herbet, M. (2022) Sodium Benzoate-Harmfulness and Potential Use in Therapies for Disorders Related to the Nervous System. *Nutrients*. 14(1497):2-22.
- Walther, K. A., Groger, S., Vogler, J. A. H., Wostmann, B., dan Meyle, J., (2024) Inflammation Indices in Association with Periodontitis and Cancer, *Periodontology 2000*. 96(1): 281–315.
- Wiendarlina, I. Y., Indriati, D., Rosa, M., (2019) Aktivitas Antibakteri Losion Anti Jerawat yang Mengandung Ekstrak Daun Beluntas (*Puclea Indica (L) Less*). *Fitofarmaka*, 9(1): 16-25.
- WHO, (2022) *Global Oral Health Status Report: Towards Universal Health Coverage for Oral Health by 2030*. Geneva: World Health Organization; 2022. pp. 37.
- Wulandari, P., C Masulili, S. L., & Soeroso, Y. (2022). Quality of Life and Its Relationship with Periodontal Disease. *Dentika: Dental Journal*, 25(2): 97–102.
- Yan, Y., Xia, X., Fatimam, A., Zhang, L., Yuan, G., Lian, F., Wang, Y (2024) Antibacterial Activity and Mechanisms of Plant Flavonoids against Gram-negative bacteria Based on the Antibacterial Statistical Model. *Pharmaceuticals*, 17(292): 1-15

Yoshino, N., Ikeda, T., dan Nakao, R. (2022) Dual Inhibitory Activity of Petroselinic Acid Enriched in Fenner Against *Porphyromonas gingivalis*, *Frontiers in Microbiology*. 13(816047): 1–14.

Zhou, H., Chen, L., Ouyang, K., Zhang, Q., Wang, W. (2023) Antibacterial and Mechanism of Flavonoids from *Chimonathus salicifolius* S. Y. Hu. and its Transcriptome Analysis against *Staphylococcus aureus*. *Frontiers in Microbiology*, 13(1): 1-13