

DAFTAR PUSTAKA

- Alejandra, B.M. dan Daniel, O.M., (2020) Virulence Factors of *Streptococcus*. Dalam: Kirmusaoglu, S., *Staphylococcus and Streptococcus*, London: IntechOpen. pp.9.
- Alibi, S., Crespo, D. dan Navas, J., (2021) Plant-derivatives small molecules with antibacterial activity. *Antibiotics*, 10(3): 231.
- Antony, A. dan Farid, M., (2022) Effect of temperatures on polyphenols during extraction. *Appl Sci*, 12(4): 1-14.
- Atazhanova, G.A., Levaya, Y.K., Badekova, K.Z., Ishmuratova, M.Y., Smagulov, M.K., Ospanova, Z.O. dan Smagulova, E.M., (2024) Inhibition of the Biofilm Formation of Plant *Streptococcus mutans*. *Pharmaceuticals*, 17(12): 1613.
- Bouasla, A. dan Bouasla, I., (2017) Ethnobotanical survey of medicinal plants in northeastern of Algeria. *Phytomedicine*, 36: 68-81.
- Budiati, T., Suryaningsih, W. dan Bethiana, T.N., (2022) Antimicrobial of tropical fruit and vegetable waste extract for food-borne pathogenic bacteria. *Ital J Food Saf*, 11(3):1-6.
- Chávez-González, M.L., Sepúlveda, L., Verma, D.K., Luna-García, H.A., Rodríguez-Durán, L.V., Ilina, A. dan Aguilar, C.N., (2020) Conventional and emerging extraction processes of flavonoids. *Processes*. 8(4): 434.
- Chen, X., Daliri, E.B., Kim, N., Kim, J., Yoo, D., Oh, D., (2020) Microbial Etiology dan Prevention of Dental Caries: Exploiting Natural Products to Inhibit Cariogenic Biofilms. *Pathogens*. 9(569): 1-15.
- Cieplik, F., Jakubovics, N. S., Buchalla, W., Maisch, T., Hellwig, E., dan Al-Ahmas, A., (2019) Resistance Toward Chlorhexidine in Oral Bacteria—Is There Cause for Concern? *Front Microbiol*. 587(10):1-11
- Czerkas, K., Olchowik-Grabarek, E., Łomanowska, M., Abdulladjanova, N. dan Sękowski, S., (2024) Antibacterial activity of plant polyphenols belonging to the tannins against *Streptococcus mutans*—potential against dental caries. *Molecules*, 29(4): 879.
- Deus, F.P. dan Ouanounou, A., (2022) Chlorhexidine in dentistry: pharmacology, uses, and adverse effects. *Int Dent J*, 72(3): 269-277.
- Dong, S., Yang, X., Zhao, L., Zhang, F., Hou, Z. dan Xue, P., (2020) Antibacterial activity and mechanism of action saponins from *Chenopodium quinoa* Willd. husks against foodborne pathogenic bacteria. *Ind Crops Prod*, 149: 1-14.
- Farha, A.K., Yang, Q.Q., Kim, G., Li, H.B., Zhu, F., Liu, H.Y., Gan, R.Y. dan Corke, H., (2020) Tannins as an alternative to antibiotics. *Food Biosci*, 38: 1-14.

- Federika, A.S., Rukmo, M., dan Setyabudi, (2020) Antibiofilm activity of flavonoid mangosteen pericarp extract against *Porphyromonas gingivalis* bacteria. *Conservative Dentistry Journal*. 10(1): 27-30.
- Hasan, F., Yuliana, L.T., Budi, H.S., Ramasamy, R., Ambiya, Z.I. dan Ghaisani, A.M., (2024) Prevalence of dental caries among children in Indonesia: A systematic review and meta-analysis of observational studies. *Heliyon*. 10(11): 1–9.
- Hidayah, N., Lubis, R., Wiryawan, K.G. dan Suharti, S., (2019) Phenotypic identification, nutrients content, bioactive compounds of two jengkol (*Archidendron jiringa*) varieties from Bengkulu, Indonesia and their potentials as ruminant feed. *Biodiversitas*, 20(6).
- Hidayati, R.A., Kristijono, A. dan Muadifah, A., (2021) Antibacterial activity test for gel hand sanitizer of jengkol rind (*Archidendron pauciflorum* (Benth.) Nielsen) extract against *Escherichia coli* bacteria. *Jurnal Sains dan Kesehatan*. 3(2):165-176.
- Jakubovics, N.S., Goodman, S.D., Mashburn-Warren, L., Stafford, G.P. dan Cieplik, F., (2021) The dental plaque biofilm matrix. *Periodontol 2000*. 86(1): 32-56.
- Julliano, J.P.C. dan Wangi, I.P., (2024) Pengaruh Penambahan Abu Sekam Padi sebagai Campuran terhadap Kekuatan Batu Bata (Literature Review). *Jurnal TESLINK*, 6(1): 50-53.
- Kemenkes RI, (2024) *Laporan Nasional Survei Kesehatan Indonesia tahun 2023*. Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan. 325, 340, dan 342.
- Kementerian Pertanian Direktorat Jenderal Hortikultura, (2024) *Buku ATAP Hortikultura 2023*. Jakarta. 13.
- Kovac, J., Slobodnikova, L., Trajčiková, E., Rendeková, K., Mučaji, P., Sychrová, A., dan Fialová, S.B., (2022) Therapeutic Potential of Flavonoids and Tannins in Management of Oral Infectious Diseases – A Review. *Molecules*. 28(158): 1-21.
- Lu, Y., Zhang, M. dan Huang, D., (2022) Dietary organosulfur-containing compounds and their health-promotion mechanisms. *Annu Rev Food Sci Technol*, 13(1): 287-313.
- Meyer, F., Enax, J., Epple, M., Amaechi, B.T. dan Simader, B., (2021) Cariogenic biofilms: development, properties, and biomimetic preventive agents. *Dent J*, 9(8): 88.
- National Center for Biotechnology Information (2025). Maryland: PubChem *Taxonomy Summary for Taxonomy 1309, Streptococcus mutans*. <https://pubchem.ncbi.nlm.nih.gov/taxonomy/Streptococcus-mutans> (30/03/2025).

- Nissa, A.K., Yusniwati, Y. dan Zainal, A., 2024. Eksplorasi dan Karakterisasi Morfologi Tanaman Jengkol (*Pithecellobium Jiringa*) di Kabupaten Agam Sumatera Barat. *Jagur Jurnal Agroteknologi*, 6(1): 9-16.
- Nurmiati, N., Periadnadi, P. dan Apriyelita, A., (2024) Antimicrobial Activity of Soaked and Boiled Jengkol Fruit Skin Extract against *Staphylococcus aureus*, *Escherichia coli* and *Candida albicans*. *Jurnal Biologi Tropis*. 24(3): 247-252.
- Ojo, M.A., (2022) Tannins in foods: nutritional implications and processing effects of hydrothermal techniques on underutilized hard-to-cook legume seeds—a review. *Prev Nut Food Sci*. 27(1): 14.
- Rathee, M. dan Sapra, A., (2024) *Dental Caries*. Treasure Island: StatPearls Publishing. <https://pubmed.ncbi.nlm.nih.gov/articles/PMC9007702/#sec5> (13/03/2025).
- Rudin, L., Bornstein, M.M. dan Shyp, V., (2023) Inhibition of biofilm formation and virulence factors of cariogenic oral pathogen *Streptococcus mutans* by natural flavonoid phloretin. *Journal of Oral Microbiology*, 15(1): 1-13.
- Sauer, K., Stoodley, P., Goeres, D.M., Hall-Stoodley, L., Burmolle, M., Stewart, P.S., dan Bjarnsholt, T., (2022) The Biofilm Life Cycle: Expanding The Conceptual Model of Biofilm Formation. *Nat Rev Microbiol*. 20(2022): 608-620.
- Shinde, S., Lee, L.H. and Chu, T., (2021) Inhibition of biofilm formation by the synergistic action of EGCG-S and antibiotics. *Antibiotics*, 10(2): 102.
- Sivapathasundharam, B. dan Raghu, A.R., (2020) Dental caries. Dalam: *Shafer's Textbook of Oral Pathology*, 9th ed. India: RELX India Pvt Ltd. pp 369-403.
- Talaro, K. P. dan Chess, B., (2018) *Foundations in Microbiology*. 10th ed. Boston: McGraw-Hill Education. pp. 11 dan 97.
- Thangavelu, A., Kaspar, S.S., Kathirvelu, R.P., Srinivasan, B., Srinivasan, S. dan Sundram, R., (2020) Chlorhexidine: an elixir for periodontics. *J Pharm Bioall Sci*, 12(1): 57-S59.
- Toonen, L.S.J., van Swaaij, B.W.M., Timmerman, M.F., Van der Weijden, F. dan Slot, D.E., (2025) User perception of fluoride mouthwashes for daily use: A randomized clinical trial. *Int J Dent Hyg* 23:153-163
- Tortora, G. J., Funke, B. R., dan Case, C. L., (2019) *Microbiology: an Introduction*. 13th ed. Chicago: Pearson. pp. 16, 156-159.
- Gao, Y., Liu, S., Ma, Y., Li, C., Xiao, Z., Nie, S. dan Tu, J., (2024) Effects of camellia saponins on biofilm formation and virulence factor genes of *Bacillus cereus*. *Lwt*, 198:1-11.

- Gao, Z., Chen, X., Wang, C., Song, J., Xu, J., Liu, X., Qian, Y. dan Suo, H., (2024) New strategies and mechanisms for targeting *Streptococcus mutans* biofilm formation to prevent dental caries: a review. *Microbioll Res.* 278: 1-13.
- GBIF (Global Core Biodata Resource), (2023) GBIF Backbone Taxonomy. Denmark: GBIF. <https://www.gbif.org/dataset/d7ddd4-2cf0-4f39-9b2a-bb099caae36c> (05/04/2025).
- GBIF (Global Core Biodata Resource), (2023) GBIF Backbone Taxonomy. Denmark: GBIF. <https://www.gbif.org/species/2703459> (9/06/2025).
- Qiu, W., Zhou, Y., Li, Z., Huang, T., Xiao, Y., Cheng, L., Peng, X., Zhang, L. dan Ren, B., (2020) Application of antibiotics/antimicrobial agents on dental caries. *Biomed Res Int.* 2020(1): 1-11.
- Qomariyah, A. dan Hidayah, R., (2021) Abu Limbah Sekam Padi sebagai Bioadsorben yang Efektif untuk Logam Timbal dalam Tanah. *Fuller J Chem*, 6(2): 81-88.
- Wang, C., van der Mei, H.C., Busscher, H.J. dan Ren, Y., (2020) *Streptococcus mutans* adhesion force sensing in multi-species oral biofilms. *npj Biofilms Microbiomes*, 6(1): 25.
- Yenrina, R., Kasim, A. dan Delfiana, W., (2015) Influence of pre-treatments on Jengkol Bean (*Pithecellobium lobatum*, Benth) toward Sulfuric Content. *Asia PacJ Sustain Agric Food Energy*, 3(1):7-11.
- Yue, J., Yang, H., Liu, S., Song, F., Guo, J. dan Huang, C., (2018) Influence of naringenin on the biofilm formation of *Streptococcus mutans*. *Journal of dentistry*, 76: 24-31.
- Zeng, Y., Nikitkova, A., Abdelsalam, H., Li, J. dan Xiao, J., (2019) Activity of quercetin and kaemferol against *Streptococcus mutans* biofilm. *Archives of oral biology*, 98: 9-16.
- Zhang, Q., Ma, Q., Wang, Y., Wu, H. dan Zou, J., (2021) Molecular mechanisms of inhibiting glucosyltransferases for biofilm formation in *Streptococcus mutans*. *International Journal of Oral Science*, 13(1): 30-38.
- Zhu, Y., Wang, Y., Zhang, S., Li, J., Li, X., Ying, Y., Yuan, J., Chen, K., Deng, S. dan Wang, Q., (2023) Association of polymicrobial interactions with dental caries development and prevention. *Front Microbiol.* 14: 1-16.