



## DAFTAR PUSTAKA

- Abrantes, P. M., & Africa, C. W., (2020) Measuring *Streptococcus mutans*, *Streptococcus sanguinis* and *Candida albicans* biofilm formation using a real-time impedance-based system. *Journal of microbiological methods*. 169: 105815.
- Amez, M. S., López, J. L., Devesa, A. E., Montero, R. A., dan Salas, E. J. (2017). Probiotics and oral health: A systematic review. *Med Oral Patol Oral Cir Bucal*. 22(3): e282–e288.
- Amargianitakis, M., Antoniadou, M., Rahiotis, C., dan Varzakas, T., (2021) Probiotics, Prebiotics, Synbiotics and Dental Caries. New Perspectives, Suggestions, and Patient Coaching Approach for a Cavity-Free Mouth. *Appl Sci*. 11(12).
- Amez, M. S., López, J. L., Devesa, A. E., Montero, R. A., dan Salas, E. J., (2017) Probiotics and oral health: A systematic review. *Med Oral Patol Oral Cir Bucal*. 22(3): e282–e288.
- Anjum, N., Maqsood, S., Masud, T., Ahmad, A., Sohail, A., & Momin, A., (2014) *Lactobacillus acidophilus*: characterization of the species and application in food production. *Crit Rev Food Sci Nutr*. 54(9): 1241–1251.
- Alkareem, A. Y. A., (2014) *Lactobacillus acidophilus* as Antibiofilm Formed by *Staphylococcus aureus* in vitro. *DJM*. 7(1): 24–34.
- Álvarez, S., Sabadini, C. L., Schuh, C. M., dan Aguayo, S., (2022) Bacterial adhesion to collagens: implications for biofilm formation and disease progression in the oral cavity. *Crit Rev Microbiol*. 48(1): 83–95.
- ATCC, (2020) *Streptococcus sanguinis* White and Niven emend. Kilian et al. (ATCC 10566<sup>TM</sup>). [www.atcc.org](http://www.atcc.org). diakses pada 21 Maret 2023.
- Babadi, F., Amin, M., dan Ahmadi Behbahani, F., (2018) Evaluation of the antibacterial properties of *Lactobacillus acidophilus* metabolites against oral plaque streptococci: An in vitro study. *J Res Med Dent Sci*. 6 (5): 198-202.
- Bathla, S., (2021) *Textbook of Periodontics*. 2<sup>nd</sup> ed. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd, pp. 69–72.
- Benoit, D. S., Sims Jr, K. R., & Fraser, D., (2019) Nanoparticles for oral biofilm treatments. *ACS nano*. 13(5): 4869–4875.
- Bowen, W. H., Burne, R. A., Wu, H., dan Koo, H., (2018) Oral Biofilms: Pathogens, Matrix and Polymicrobial Interactions in Microenvironments. *Trends Microbiol*. 26(3): 229–242.
- GBD 2017 Oral Disorders Collaborators, Bernabe, E., Marques, W., Hernandez, C. R., Bailey, J., Abreu, L. G., ... dan Kassem, N. J., (2020) Global, regional, and national levels and trends in burden of oral conditions from 1990 to 2017: a systematic analysis for the global burden of disease 2017 study. *J Dent Res*. 99(4): 362–373.



- Carvalho, F. M., Santos, R. T., Mergulhão, F. J. M., dan Gomes, L. C., (2021) The Use of Probiotics to Fight Biofilms in Medical Devices: A Systematic Review and Meta-Analysis. *Microorganism*. 9(27).
- Chen, X., Daliri, E. B. M., Kim, N., Kim, J. R., Yoo, D., dan Oh, D. H., (2020) Microbial Etiology and Prevction of Dental Caries: Exploiting Natural Products to Inhibit Cariogenic Biofilms. *Pathogens*. 9(7): 569–583.
- Dave, R. I., & Shah, N. P., (1996) Evaluation of thermophilus, Lactobacillus Media for Selective Enumeration of Streptococcus Lactobacillus delbrueckii ssp. bulgaricus, acidophilus, and Bifidobacteria. *J. Dairy Sci.*, 79(9): 1524–1536.
- Dewi, M., Darmawi, Nurliana, Karmil, T. F., Helmi, T. Z., Fakhrurrazi, Erina, Abrar, M., Daud, M. A. K., dan Admi, M., (2020) Aktivitas Antibiotik terhadap Biofilm *Staphylococcus aureus* Isolat Preputium Sapi Aceh. *J. Sain Vet.* 38(1): 1–6.
- Dewi, Z.Y., Nur, A., dan 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.
- Digel, I., Kern, I., Geenen, E. M., dan Akimbekov, N. (2020). Dental plaque removal by ultrasonic toothbrushes. *Dent J.* 8(28).
- Fahim, A., Himratul-Aznita, W. H., dan Abdul-Rahman, P. S., (2020) Allium-sativum and bakuchiol combination: A natural alternative to Chlorhexidine for oral infections?. *Pak J Med Sci*, 36(2): 271–275.
- Fasoulas, A., Pavlidou, E., Petridis, D., Mantzorou, M., Seroglou, K., dan Giaginis, C., (2019) Detection of dental plaque with disclosing agents in the context of preventive oral hygiene training programs. *Heliyon*. 5(7): e02064.
- GBD 2017 Oral Disorders Collaborators, Bernabe, E., Marques, W., Hernandez, C. R., Bailey, J., Abreu, L. G., ... dan Kassem, N. J., (2020) Global, regional, and national levels and trends in burden of oral conditions from 1990 to 2017: a systematic analysis for the global burden of disease 2017 study. *J Dent Res*. 99(4): 362–373.
- Gill, S. A., Quinonez, R. B., Deutchman, M., Conklin, C. E., Rizzolo, D., Rabago, D., Haidet, P., dan Silk, H., (2022) Integrating oral health into health professions school curricula. *Med Educ Online*. 27(1): 2090308.
- Guo, Y., Liu, X., Huang, H., Lu, Y., Ling, X., Mo, Y., ... & Song, H. (2022) +Metabolic response of Lactobacillus acidophilus exposed to amoxicillin. *J. Antibiot.* 75(5), 268-281.
- ITIS, (2023) ITIS Report: *Coriandrum sativum* L, <https://www.itis.gov/servlet/SingleRpt/SingleRpt> diakses pada 2 Maret 2023.
- Jamal, M., Tasneem, U., Hussain, T., dan Andleeb, S., (2015) Bacterial biofilm: its composition, formation and role in human infections. *J Microbiol Biotechnol*, 4(3): 1–14.



- Jiao, Y., Tay, F. R., Niu, L. N., dan Chen, J. H., (2019). Advancing antimicrobial strategies for managing oral biofilm infections. *Int J Oral Sci.* 11(3): 28.
- Koohestani, M., Moradi, M., Tajik, H., dan Badali A., (2018) Effects of cell-free supernatant of *Lactobacillus acidophilus* LA5 and *Lactobacillus casei* 431 against planktonic form and biofilm of *Staphylococcus aureus*. *Vet Res Forum.* 9(4): 301–306.
- Karyadi, E., Kaswindiarti, S., Roza, M. A, dan Larissa, S., (2021) Pengaruh Mengunyah Buah Apel Manalagi Terhadap Penurunan Indeks Plak Usia 9-12 Tahun. *JIKG (Jurnal Ilmu Kedokteran Gigi)*, 3(2): 24–28.
- Karygianni, L., Ren, Z., Koo, H., & Thurnheer, T., (2020) Biofilm matrixome: extracellular components in structured microbial communities. *Trends Microbiol.* 28(8): 668–681.
- Kaur, S. dan Kaur, R., (2019) Biosurfactant from *Lactobacillus* sp. as an antibiofilm agent. *Biotechnologia.* 100(3): 335–343.
- Kementerian Kesehatan Republik Indonesia, (2019) *Laporan Nasional Riset Kesehatan Dasar (Riskesdas) Indonesia Tahun 2018, Riset Kesehatan Dasar 2018*. Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan.
- Koohestani, M., Moradi, M., Tajik, H., dan Badali A., (2018) Effects of cell-free supernatant of *Lactobacillus acidophilus* LA5 and *Lactobacillus casei* 431 against planktonic form and biofilm of *Staphylococcus aureus*. *Vet Res Forum.* 9(4): 301–306.
- Lee, S. H. dan Kim, Y. J., (2014) A comparative study of the effect of probiotics on cariogenic biofilm model for preventing dental caries. *Arch Microbiol.* 196(8): 601–609.
- Lin, Y., Chen, J., Zhou, X., dan Li, Y., (2021) Inhibition of *Streptococcus mutans* biofilm formation by strategies targeting the metabolism of exopolysaccharides. *Crit Rev Microbiol.* 47(5): 667–677.
- Ma, S., Zhao, Y., Xia, X., Dong, X., Ge, W., & Li, H., (2015) Effects of *Streptococcus sanguinis* bacteriocin on cell surface hydrophobicity, membrane permeability, and ultrastructure of *Candida thallus*. *BioMed Research International.* 1–8.
- Martini, A. M., Moricz, B. S., Woods, L. J., dan Jones, B. D., (2021) Type IV pili of *Streptococcus sanguinis* contribute to pathogenesis in experimental infective endocarditis. *Microbiol spectr*, 9(3), e01752–21.
- Mawaddah, N., Arbianti, K., dan Ringga, N., (2017) Perbedaan Indeks Kebutuhan Perawatan Periodontal (CPITN) Anak Normal dan Anak Tunarungu. *Odonto: Dent. J.*, 4(1): 44-49.
- Mgom, F. C., Yang, Y. R., Cheng, G., Yang, Z. Q., (2023) Lactic acid bacteria biofilms and their antimicrobial potential against pathogenic microorganisms. *Biofilm.* 100118.



- Muhammad, M. H., Idris, A., Fan, X., Guo, Y., Yu, Y., Jin, Xu., Qiu, J., Guan, X., dan Huang, T., (2020) Beyond Risk: Bacterial Biofilms and Their Regulating Approaches. *Front Microbiol.* 11(928).
- Mukhtar, H. dan Yaqub, S., (2020) Production of probiotic Mozzarella cheese by incorporating locally isolated *Lactobacillus acidophilus*. *Ann Microbiol.* 70(1), 1–13.
- Newman, M.G., Takei, H.H., Klokkevold, P.R., (2019) *Newman and Carranza's Clinical Periodontology, 13<sup>th</sup> edition*, Philadelphia: Elsevier, hal 120–121, 123–124.
- Niswade, G., (2022) Biofilm- The mystery of the oral cavity. *JPSP.* 6(2): 6033—6038.
- Reddy, S., (2018), Essentials of Clinical Periodontology and Periodontics, 5<sup>th</sup> edition, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd, hal 70.
- Ronanki, S., Kulkarni, S., Hemalatha, R., Kumar, M., & Reddy, P., (2016) Efficacy of commercially available chlorhexidine mouthrinses against specific oral microflora. *Indian J Dent Res.* 27(1), 48
- Sälzer, S., Slot, D. E., Van der Weijden, F. A., & Dörfer, C. E., (2015) Efficacy of inter-dental mechanical plaque control in managing gingivitis—a meta-review. *J Clin Periodontol.* 42(16): S92–S105.
- Shafiei, Z., Rahim, Z. H. A., Philip, K., Thurairajah, N., dan Yaacob, H., (2020) Potential effects of *Psidium* sp., *Mangifera* sp., *Mentha* sp. and its mixture (PEM) in reducing bacterial populations in biofilms, adherence and acid production of *S. sanguinis* and *S. mutans*. *Arch Oral Biol.* 109: 104554.
- Sharma, D., Misba, L., dan Khan, A. U., (2019) Antibiotics versus biofilm: an emerging battleground in microbial communities. *Antimicrob Resist Infect Control.* 8(1): 1–10.
- Shokouhfard, M., Kermanshahi, R. K., Shahandashti, R. V., Feizabadi, M. M., Teimourian, S., (2015) The inhibitory effect of a *Lactobacillus acidophilus* derived biosurfactant on biofilm producer *Serratia marcescens*. *Iran J Basic Med Sci.* 18: 1001–1007.
- Suanda, I. W., (2018) Gerakan Masyarakat Hidup Sehat Dalam Mencegah terjadinya Penyakit Gigi dan Mulut, *Jurnal Kesehatan Gigi*, 6(1): 29–34.
- Tahmourespour, A., & Kermanshahi, R. K., (2011) The effect of a probiotic strain (*Lactobacillus acidophilus*) on the plaque formation of oral Streptococci. *Bosn J Basic Med Sci.* 11(1): 37–40.
- Tomé, A. R., Carvalho, F. M., Teixeira-Santos, R., Burmølle, M., Mergulhão, F. J. M., Gomes, L. C., (2023) Use of Probiotics to Control Biofilm Formation in Food Industries. *Antibiotics.* 12(4): 754.
- Vinderola, G., Ouwehand, A. C., Salminen, S., dan Wright, A., (2019) *Lactic Acid Bacteria: Microbiological and Functional Aspects.* 5<sup>th</sup> ed. Boca Raton. CRC



Press. hal. 164.

- Wasfi, R., Abd El-Rahman, O. A., Zafer, M. M., dan Ashour, H. M., (2018) Probiotic Lactobacillus sp. inhibit growth, biofilm formation and gene expression of caries-inducing *Streptococcus mutans*. *J Cell Mol Med or JCMM*. 22(3): 1972-1983.
- Widyarman, A. S. dan Lazaroni, N. K. E., (2019) Persistent Endodontics Pathogens Biofilm Inhibited by *Lactobacillus reuteri* Indonesian Strain. *JKDI*. 26(3): 160—164.
- Yamasaki, R., Kawano, A., Yoshioka, Y., dan Ariyoshi, W., (2020) Rhamnolipids and surfactin inhibit the growth or formation of oral bacterial biofilm. *BMC Microbiol*. 20: 358.
- Yu, Y., Dunaway, S., Champer, J., Kim, J., dan Alikhan, A., (2020) Changing our microbiome: probiotics in dermatology. *Br. J. Dermatol.* 182(1), 39–46.
- Zhu, B., Macleod, L. C., Kitten, T., dan Xu, P., (2018) *Streptococcus sanguinis* biofilm formation & interaction with oral pathogens. *Microbiol*. 13(08): 915–932.
- Zoumpopoulou, G., Pepelassi, E., Papaionnou, W., Georgalaki, M., ... dan Papadimitriou, K., (2013) Incidence of Bacteriocins Produced by Food-Related Lactic Acid Bacteria Active towards Oral Pathogens. *Int. J. Mol. Sci.* 14: 4640–4654.