

DAFTAR PUSTAKA

- Abdelbary, M. M. H., Hatting, M., Bott, A., Dahlhausen, A., Keller, D., Trautwein, C., *et al.* (2022). The oral-gut axis: Salivary and fecal microbiome dysbiosis in patients with inflammatory bowel disease. *Frontiers in Cellular and Infection Microbiology*, 12, 1010853. <https://doi.org/10.3389/fcimb.2022.1010853>
- Abdulkareem, A. A., Al-Taweel, F. B., Al-Sharqi, A. J. B., Gul, S. S., Sha, A., Chapple, I. L. C. (2023). Current concepts in the pathogenesis of periodontitis: From symbiosis to dysbiosis. *Journal of Oral Microbiology*, 15(1). <https://doi.org/10.1080/20002297.2023.2197779>
- Akgül, Ö., Topaloğlu Ak, A., Zorlu, S., Öner Özdaş, D., Uslu, M., & Çayırhan, D. (2022). Effects of short-term xylitol chewing gum on pro-inflammatory cytokines and Streptococcus mutans: A randomised, placebo-controlled trial. *International Journal of Clinical Practice*, 74, e13623. <https://doi.org/10.1111/ijcp.13623>
- Akseer, N., Tasic, H., Onah, M. N., Wigle, J., Rajakumar, R., Sanchez-Hernandez, *et al.* (2022). Economic costs of childhood stunting to the private sector in low- and middle-income countries. Elsevier, 45. <https://doi.org/10.1016/j>
- Alam, M. A., Richard, S. A., Fahim, S. M., Mahfuz, M., Nahar, B., Das, S., *et al.* (2020). Impact of Early-Onset Persistent Stunting on Cognitive Development at 5 years of age: Results from a Multi-Country Cohort Study. *PLOS ONE*, 15(1). <https://doi.org/10.1371/journal.pone.0227839>
- Andres, S., Zhang, Y., Kuhn, M., Scottoline, B. (2023). Building better barriers: How nutrition and undernutrition impact pediatric intestinal health. *Frontiers in Nutrition*. <https://doi.org/10.3389/fnut.2023.10201>
- Banakar, M., Moayedi, S., Shamsoddin, E., Vahedi, Z., Banakar, M. H., Mousavi, S. M., *et al.* (2022). Chewing gums as a drug delivery approach for oral health. *International Journal of Dentistry*, 2022, 9430988. <https://doi.org/10.1155/2022/9430988>
- Bang, E., Oh, S., Ju, U., Chang, H. E., Hong, J. S., Baek, H. J., *et al.* (2023). Factors influencing oral microbiome analysis: From saliva sampling methods to next-generation sequencing platforms. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-37246-2>
- Bartold, P. M., & Van Dyke, T. E. (2019). An appraisal of the role of specific bacteria in the initial pathogenesis of periodontitis. *Journal of Clinical Periodontology*, 46(1), 6–11. <https://doi.org/10.1111/jcpe.13046>

- Belstrøm, D., Grande, M. A., Sembler-Møller, M. L., Kirkby, N., Cotton, S. L., Paster, B. J., et al. (2017). Influence of periodontal treatment on subgingival and salivary microbiotas. *Journal of Periodontology*, 89(5), 531–539.
- Benahmed, A., Gasmi, A., Arshad, M., Shanaida, M., Lysiuk, R., Peana, M., et al. (2020). Health benefits of xylitol. *Applied Microbiology and Biotechnology*. <https://doi.org/10.1007/s00253-020-10708-7>
- Bhandary, R., Venugopalan, G., Ramesh, A., Tartaglia, G. M., Singhal, I., Khijmatgar, S. (2024). Microbial Symphony: Navigating the Intricacies of the Human Oral Microbiome and Its Impact on Health. *Microorganisms*, 12(3), 571. <https://doi.org/10.3390/microorganisms12030571>
- Butera, A., Gallo, S., Pascadopoli, M., Maiorani, C., Milone, A., Alovisi, M., et al. (2022). Paraprobiotics in non-surgical periodontal therapy: Clinical and microbiological aspects. *Microorganisms*, 10(2), 337. <https://doi.org/10.3390/microorganisms10020337>
- Cantu-Jungles, T. M., Hamaker, B. R. (2023). Tuning expectations to reality: Don't expect increased gut microbiota diversity with dietary fiber. *The Journal of Nutrition*, 153(9), 3156–3163. <https://doi.org/10.1016/j.jn.2023.09.001>
- Cassol, I., Ibañez, M., Bustamante, J. P. (2023). Unraveling key features of microbial alpha-diversity metrics and their practical applications. <https://doi.org/10.21203/rs.3.rs-2595260/v1>
- Cecoro, G., Annunziata, M., Iuorio, M. T., Nastri, L., Guida, L. (2020). Periodontitis, low-grade inflammation and systemic health: A scoping review. *Medicina (Lithuania)*, 56(6). <https://doi.org/10.3390/medicina56060272>
- Chen, S. Y., Delacruz, J., Kim, Y., Kingston, R., Purvis, L., Sharma, D. (2023). Effect of xylitol on *Porphyromonas gingivalis*: A systematic review. *Clinical and Experimental Dental Research*, 9, 265–275. <https://doi.org/10.1002/cre2.724>
- Chen, X., Xie, X. J., Yu, L. (2018). The pathway from cognitive impairment to caries in older adults: A conceptual model. *J Am Dent Assoc.* Vol 149 No 11: 967–975. doi : 10.1016/j.adaj.2018.07.015
- Chen, Y., Huang, Z., Tang, Z., Huang, Y., Huang, M., Liu, H., et al. (2022). More than just a periodontal pathogen—the research progress on *Fusobacterium nucleatum*. *Frontiers in Cellular and Infection Microbiology*, 12. <https://doi.org/10.3389/fcimb.2022.815318>
- Cho, Y. D., Kim, K. H., Lee, Y. M., Ku, Y., Seol, Y. J. (2021). Periodontal wound healing and tissue regeneration: A narrative review. *Pharmaceuticals (Basel, Switzerland)*, 14(5), 456. <https://doi.org/10.3390/ph14050456>

- Choi, J. U., Lee, J. B., Kim, K. H., Kim, S., Seol, Y. J., Lee, Y. M., *et al.* (2020). Comparison of periodontopathic bacterial profiles of different periodontal disease severity using multiplex real-time polymerase chain reaction. *Diagnostics*, 10(11), 965. <https://doi.org/10.3390/diagnostics10110965>
- Clark, M. B., Clark, D. A. (2018). Oral development and pathology. *Ochsner Journal*, 18(4), 339–344. <https://doi.org/10.31486/toj.18.0040>
- Cobb, C. M., Sottosanti, J. S. (2021). A re-evaluation of scaling and root planing. *Journal of Periodontology*, 92(10), 1370–1378. <https://doi.org/10.1002/JPER.20-0839>
- Cocco, F., Cagetti, M. G., Majdub, O., Campus, G. (2022). Concentration in saliva and antibacterial effect of xylitol chewing gum: In vivo and in vitro study. *Applied Sciences*, 10(8), 2900. <https://doi.org/10.3390/app10082900>
- Dodds, M. W. J., Haddou, M. Ben, Day, J. E. L. (2023). The effect of gum chewing on xerostomia and salivary flow rate in elderly and medically compromised subjects: A systematic review and meta-analysis. *BMC Oral Health*, 23(1). <https://doi.org/10.1186/s12903-023-03084-x>
- Dudala, R., Halder, S., Rajaram, S. S., Kulavi, S. (2021). Normal anatomy and clinical significance of attached gingiva: A review. *International Journal of Dental Science and Innovative Research*, 4(1), 74–79. <https://www.researchgate.net/publication/351564118>
- Ekholenetale, M., Barrow, A., Ekholenetale, C. E., Tudeme, G. (2020). Impact of stunting on early childhood cognitive development in Benin: Evidence from Demographic and Health Survey. *Egyptian Pediatric Association Gazette*, 68(1). <https://doi.org/10.1186/s43054-020-00043-x>
- Estaki, M., Jiang, L., Bokulich, N. A., McDonald, D., González, A., Kosciolka, T., *et al.* (2020). QIIME 2 enables comprehensive end-to-end analysis of diverse microbiome data and comparative studies with publicly available data. *Curr Protoc Bioinformatics*, 70(1). <https://doi.org/10.1002/cpbi.100>
- Fanas, A. S., Brigi, C., Varma, S. R., Desai, V., Senok, A., & D'souza, J. (2021). The prevalence of novel periodontal pathogens and bacterial complexes in Stage II generalized periodontitis based on 16S rRNA next generation sequencing. *Journal of applied oral science : revista FOB*, 29, e20200787. <https://doi.org/10.1590/1678-7757-2020-0787>
- Feres, M., Retamal-Valdes, B., Fermiano, D., Faveri, M., Figueiredo, L. C., Mayer, M., *et al.* (2020). Microbiome changes in young periodontitis patients treated with adjunctive metronidazole and amoxicillin. *The Journal of Periodontology*, 91(8), 1050–1060. <https://doi.org/10.1002/jper.20-0128>
- Fitri, H., Kasuma, N., Fajrin, F. N., Dwi, G., Sovira, J., Khairani Aulia, R., *et al.* (2023). Description of the simplified oral hygiene index (OHI-S) in

- stunting children. *Journal of International Dental and Medical Research*, 16(2), 656–660.
- Folayan, M. O., Oginni, A. B., El Tantawi, M., Alade, M., Adeniyi, A. A., Finlayson, T. L. (2020). Association between nutritional status and early childhood caries risk profile in a suburban Nigeria community. *International Journal of Paediatric Dentistry*, 30(6), 798–804. <https://doi.org/10.1111/ipd.12645>
- Forcella, L., Filippi, A., Filippi, C., Waltimo, T. (2018). Measurement of unstimulated salivary flow rate in healthy children aged 6 to 15 years. *Swiss Dental Journal*, 128(12), 962–967.
- Fragkioudakis, I., Riggio, M. P., Apatzidou, D. A. (2021). Understanding the microbial components of periodontal diseases and periodontal treatment-induced microbiological shifts. *Journal of Medical Microbiology*. <https://doi.org/10.1099/jmm.0.001247>
- Fung, C., Rusling, M., Lampeter, T., Love, C., Karim, A., Bongiorno, C., et al. (2021). Automation of QIIME2 metagenomic analysis platform. *Curr Protoc*, 1(9). <https://doi.org/10.1002/cpbi.100>
- Giacomini, J. J., Torres-Morales, J., Dewhirst, F. E., Boris, G. G., & Mark Welch, J. L. (2023). Site Specialization of Human Oral Veillonella Species. *Microbiology spectrum*, 11(1), e040422. <https://doi.org/10.1128/spectrum.04042-22>
- Giordano-Kelhoffer, B., Lorca, C., March Llanes, J., Rábano, A., Del Ser, T., Serra, A., et al. (2022). Oral microbiota, its equilibrium and implications in the pathophysiology of human diseases: A systematic review. *Biomedicines*, 10(8), 1803. <https://doi.org/10.3390/biomedicines10081803>
- Greenwood, D., Afacan, B., Emingil, G., Bostancı, N., Belibasakis, G. N.. (2020). Salivary microbiome shifts in response to periodontal treatment outcome. *Proteomics – Clinical Applications*. <https://doi.org/10.1002/prca.202000011>
- Güler, A., Yılmaz, E., Demir, A. R., Bayıroğlu, N., Kalkan, A. K., Uzun, F., Ertürk, M. (2022). The relationship between the severity of atherosclerosis and periodontal disease index in diabetic patients. *Koşuyolu Heart Journal*, 25(2), 149–156. <https://doi.org/10.51645/khj.2022.m236>
- Gunsolley, J. C., Al-Abedalla, K., Shaqman, M., Ioannidou, E. (2022). Unusual findings in trials evaluating adjuncts to scaling and root planing: Meta-analysis (Part 1). *JDR Clinical and Translational Research*, 7(3), 234–241. <https://doi.org/10.1177/23800844211039722>
- Habimana, J. D. D., Uwase, A., Korukire, N., Jewett, S., Umugwaneza, M., Rugema, L., et al. (2023). Prevalence and correlates of stunting among

- children aged 6–23 months from poor households in Rwanda. *International Journal of Environmental Research and Public Health*, 20(4068). <https://doi.org/10.3390/ijerph20084068>
- Hajishengallis, G. (2014). Immuno-microbial pathogenesis of periodontitis: Keystones, pathobionts, and the host response. *Trends in Immunology*. <https://doi.org/10.1016/j.it.2013.09.001>
- Hajishengallis, G., & Diaz, P. I. (2020). Porphyromonas gingivalis: Immune subversion activities and role in periodontal dysbiosis. *Current Oral Health Reports*, 7(1), 12–21. <https://doi.org/10.1007/s40496-020-00249-3>
- He, S., Wei, S., Wang, J., Ji, P. (2018). Chronic periodontitis and oral health-related quality of life in Chinese adults: A population-based, cross-sectional study. *Journal of Periodontology*. <https://doi.org/10.1002/jper.17-0752>
- Hernández-Monjaraz, B., Santiago-Osorio, E., Ledesma-Martínez, E., Alcauter-Zavala, A., Mendoza-Núñez, V. M. (2018). Retrieval of a periodontally compromised tooth by allogeneic grafting of mesenchymal stem cells from dental pulp: A case report. *Journal of International Medical Research*, 46(7), 2983–2993. <https://doi.org/10.1177/0300060518773244>
- Hong, B. Y., Furtado Araujo, M. V., Strausbaugh, L. D., Terzi, E., Ioannidou, E., & Diaz, P. I. (2015). Microbiome profiles in periodontitis in relation to host and disease characteristics. *PLOS ONE*, 10(5), e0127077. <https://doi.org/10.1371/journal.pone.0127077>
- Hu, L., Ni, Z., Zhao, K., Li, X., Gao, X., Kang, Y., et al. (2023). The association between oral and gut microbiota in male patients with alcohol dependence. *Frontiers in Microbiology*, 14. <https://doi.org/10.3389/fmicb.2023.1203678>
- Iniesta, M., Vasconcelos, V., Sanz, M., Herrera, D. (2024). Supra- and subgingival microbiome in gingivitis and impact of biofilm control: A comprehensive review. *Antibiotics*, 13(6), 571. <https://doi.org/10.3390/antibiotics13060571>
- Jayasinghe, T. N., Harrass, S., Erdrich, S., King, S., Eberhard, J. (2022). Protein intake and oral health in older adults—A narrative review. *Nutrients*, 14(21), 4478. <https://doi.org/10.3390/nu14214478>
- Kasuma, N., Fitri, H., Nurul Fajrin, F., Ernesto, G., Ratna Juwita, D., Octaricha, T. (2021). Effect of zinc supplementation on salivary MMP-8 level in male Wistar rats with experimental periodontitis for a better dental care. *Journal of International Dental and Medical Research*, 14(3), 977–981. <http://www.jidmr.com>
- Kaufmann, M. E., Wiedemeier, D. B., Zellweger, U., Solderer, A., Attin, T., Schmidlin, P. R. (2020). Gingival recession after scaling and root planing

- with or without systemic metronidazole and amoxicillin: A re-review. *Clinical Oral Investigations*, 24(3), 1091–1100. <https://doi.org/10.1007/s00784-020-03198-4>
- Kementerian Kesehatan. (2019). *Laporan Nasional RISKESDAS 2018*. Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan.
- Kementerian Kesehatan. (2020). *Peraturan Menteri Kesehatan Republik Indonesia (Patent 2)*. <https://peraturan.bpk.go.id/Details/152505/permekes-no-2-tahun-2020>
- Keputusan Presiden Indonesia. (2021). *Keputusan Presiden Republik Indonesia (Patent sk 105132A)*. <https://peraturan.bpk.go.id/Details/174964/perpres-no-72-tahun-2021>
- Kers, J. G., Saccenti, E. (2022). The power of microbiome studies: Some considerations on which alpha and beta metrics to use and how to report results. *Frontiers in Microbiology*, 12. <https://doi.org/10.3389/fmicb.2021.796025>
- Konkel, J. E., O'Boyle, C., Krishnan, S. (2019). Distal consequences of oral inflammation. *Frontiers in Immunology*, 10. <https://doi.org/10.3389/fimmu.2019.01403>
- Könönen, E., Gursoy, M., Gursoy, U. K. (2019). Periodontitis: A multifaceted disease of tooth-supporting tissues. *Journal of Clinical Medicine*, 8(8). <https://doi.org/10.3390/jcm8081135>
- Kwon, T. H., Lamster, I. B., Levin, L. (2021). Current concepts in the management of periodontitis. *International Dental Journal*, 71(6), 462–476. <https://doi.org/10.1111/idj.12630>
- Lam, G. A., Albarak, H., McColl, C. J., Pizarro, A., Sanaka, H., Gomez-Nguyen, A., et al. (2023). The oral-gut axis: Periodontal diseases and gastrointestinal disorders. *Inflammatory Bowel Diseases*, 29(2), 1153–1164. <https://doi.org/10.1093/ibd/izac241>
- Lee, J. S., Yilmaz, Ö. (2021). Key elements of gingival epithelial homeostasis upon bacterial interaction. *Journal of Dental Research*, 100(4), 333–340. <https://doi.org/10.1177/0022034520973012>
- Lestari, T. R. P. (2023). Stunting di Indonesia: Akar masalah dan solusinya. *Info Singkat Pusat Penelitian Badan Keahlian DPR RI*, 15(14), 1–5. ISSN 2088-2351
- Li, W., & Ma, Z. S. (2020). FBA Ecological Guild: Trio of Firmicutes-Bacteroidetes Alliance against Actinobacteria in Human Oral Microbiome. *Scientific reports*, 10(1), 287. <https://doi.org/10.1038/s41598-019-56561-1>

- Lins Vieira, N. F., Da Silva Nascimento, J., Do Nascimento, C. Q., Barros Neto, J. A., Oliveira Dos Santos, A. C. (2021). Association between bone mineral density and nutritional status, body composition, and bone metabolism in older adults. *Journal of Nutrition, Health & Aging*, 25(1), 71–76. <https://doi.org/10.1007/s12603-020-1452-y>
- Lu, H., Zhao, Y., Feng, X., He, L., Meng, H. (2019). Microbiome in maintained periodontitis and its shift over a single maintenance interval of 3 months. *Clinical Periodontology*, 46(10), 1153–1160. <https://doi.org/10.1111/jcpe.13177>
- Maier, T. (2023). Oral microbiome in health and disease: Maintaining a healthy, balanced ecosystem and reversing dysbiosis. *Microorganisms*, 11(6). <https://doi.org/10.3390/microorganisms11061453>
- Martínez-García, M., Hernández-Lemus, E. (2021). Periodontal inflammation and systemic diseases: An overview. *Frontiers in Physiology*, 12. <https://doi.org/10.3389/fphys.2021.709438>
- Minh, N. T. H., Hai, L., Lien, T. T. N., Binh, T. C. (2021). Effect of xylitol chewing gum on presence of *Streptococcus mutans* in saliva. *Open Access Macedonian Journal of Medical Sciences*, 9(D), 319–323. <https://doi.org/10.3889/oamjms.2021.6928>
- Mohanty, R., Joshi Asopa, S., Joseph, M. D., Singh, B., Rajguru, J. P., Saidath, K., Sharma, U. (2019). Red complex: Polymicrobial conglomerate in oral flora: A review. *Journal of Family Medicine and Primary Care*. https://doi.org/10.4103/jfmpc.jfmpc_759_19
- Murakami, S., Mealey, B. L., Mariotti, A., Chapple, I. L. C. (2018). Dental plaque-induced gingival conditions. *Journal of Periodontology*, 89, S17–S27. <https://doi.org/10.1002/JPER.17-0095>
- Nadhifah Salsabila, Kasuma, N., Yerizel, E. (2023). Determinasi jumlah bakteri *Porphyromonas gingivalis* ATCC 33277 pada saliva anak stunting. *E-GiGi*, 12(1), 26–31. <https://doi.org/10.35790/eg.v12i1.47864>
- Nath, S., Pulikkotil, S. J., Weyrich, L., Zilm, P., Kapellas, K., Jamieson, L. (2022). Effect of periodontal interventions on characteristics of the periodontal microbial profile: A systematic review and meta-analysis. *Microorganisms*, 10(8), 1582. <https://doi.org/10.3390/microorganisms10081582>
- Nerawati, M., Kasuma, N., Yerizel, E., & Wedagama, D. M. (2022). Relationship of the number of *Streptococcus mutans* bacteria ATCC 25175 with DMF-T index based on stunting occurrence in Andalas Health Center patients in Padang City. *Journal of International Dental and Medical Research*, 15(3), 1189–1193. <http://www.jidmr.com>

- Nomura, K., Bhandari, A. K. C., Matsumoto-Takahashi, E. L. A., Takahashi, O. (2023). Risk factors associated with stunting among children under five in Timor-Leste. *Annals of Global Health*, 89(1). <https://doi.org/10.5334/aogh.4199>
- Nomura, Y., Kakuta, E., Kaneko, N., Nohno, K., Yoshihara, A., Hanada, N. (2020). The oral microbiome of healthy Japanese people at the age of 90. *Applied Sciences*, 10(18). <https://doi.org/10.3390/APP10186450>
- Pan, W., Wang, Q., Chen, Q. (2019). The cytokine network involved in the host immune response to periodontitis. *International Journal of Oral Science*, 11(3). Springer Nature. <https://doi.org/10.1038/s41368-019-0064-z>
- Papathanasiou, E., Conti, P., Carinci, F., Lauritano, D., Theoharides, T. C. (2020). IL-1 superfamily members and periodontal diseases. *Journal of Dental Research*, 99(13), 1425–1434. <https://doi.org/10.1177/0022034520945209>
- Pawlaczyk-Kamienska, T., Torlinska-Walkowiak, N., Borysewicz-Lewicka, M. (2018). The relationship between oral hygiene level and gingivitis in children. *Advances in Clinical and Experimental Medicine*, 27(10), 1397–1401. <https://doi.org/10.17219/acem/70417>
- Permenkes RI. (2020). Peraturan Menteri Kesehatan RI Nomor 2 tahun 2020 tentang Standar Antropometri Anak. Jakarta: Menteri Kesehatan RI.
- Pratiwi, A. P., Adhani, R., Wardani, I. K. (2023). Correlation of salivary flow rate in stunting children to dental caries level. *Dentin Journal of Dentistry*, 7(1), 22–27.
- Putri, T. N., Indriyanti, R., Setiawan, A. S. (2023). A descriptive study on oral hygiene practice and caries increment in children with growth stunting. *Frontiers in Oral Health*, 4, 1236228. <https://doi.org/10.3389/froh.2023.1236228>
- Rafeek, R., Carrington, C. V. F., Gomez, A., Harkins, D., Torralba, M., Kuelbs, C., et al. (2019). Xylitol and sorbitol effects on the microbiome of saliva and plaque. *Journal of Oral Microbiology*, 11(1), 1536181. <https://doi.org/10.1080/20002297.2018.1536181>
- Rahman, H., Rahmah, M., Saribulan, N (2023). Upaya penanganan stunting di Indonesia. *Ilmu Pemerintahan Suara Khatulistiwa*, 8(1), 44–59.
- Raiten, D. J., & Bremer, A. A. (2020). Exploring the nutritional ecology of stunting: New approaches to an old problem. *Nutrients*, 12(2). <https://doi.org/10.3390/nu12020371>
- Ramadan, D. E., Hariyani, N., Indrawati, R., Ridwan, R. D., Diyatri, I. (2020). Cytokines and chemokines in periodontitis. *European Journal of Dentistry*, 14(3), 483–495. <https://doi.org/10.1055/s-0040-1712718>

- Ramadhan, K. I. (2022). Faktor-faktor yang mempengaruhi perilaku penanganan stunting. *Jurnal Pengabdian Kesehatan Masyarakat (Pengmaskesmas)*, 2(1).
- Rozewicki, J., Li, S., Amada, K. M., Standley, D. M., & Katoh, K. (2019). MAFFT-DASH: Integrated protein sequence and structural alignment. *Nucleic Acids Research*, 47(W1), W5–W10.
- Rueda-Guevara, P., Botero-Tovar, N., Trujillo, K. M., Ramírez, A. (2021). Worldwide evidence about infant stunting from a public health perspective: A systematic review. *Biomedica*, 41(4), 1–38. <https://doi.org/10.7705/biomedica.6017>
- Sadida, Z. J., Indriyanti, R., Setiawan, A. S. (2022). Does growth stunting correlate with oral health in children?: A systematic review. *European Journal of Dentistry*, 16(1), 32–40. <https://doi.org/10.1055/s-0041-1731887>
- Salsabila, N., Kasuma, N., Yerizel, E. (2023). Determinasi jumlah bakteri *Porphyromonas gingivalis* ATCC 33277 pada saliva . *e-GiGi*, 12(1), 26–31. <https://doi.org/10.35790/eg.v12i1.47864>
- Scannapieco, F. A., Dongari-Bagtzoglou, A. (2021). Dysbiosis revisited. Understanding the role of the oral microbiome in the pathogenesis of gingivitis and periodontitis: A critical assessment. *Journal of Periodontology*, 92(8), 1071–1078. <https://doi.org/10.1002/JPER.21-0120>
- Schulz, S., Stein, J. M., Schumacher, A., Kupietz, D., Yekta-Michael, S. S., Schittenhelm, F., Conrads, G., Schaller, H. G., Reichert, S. (2022). Nonsurgical Periodontal Treatment Options and Their Impact on Subgingival Microbiota. *Journal of clinical medicine*, 11(5), 1187. <https://doi.org/10.3390/jcm11051187>
- Shoofiyah, S., Malem, A., Pelawi, P., Serilus, B., Dedu, S. (2024). Hubungan stunting dengan perkembangan kemampuan kognitif anak balita. *Jurnal Penelitian Perawat Profesional*, 6(5). <http://jurnal.globalhealthsciencegroup.com/index.php/JPPP>
- Siddiqui, R., Badran, Z., Boghossian, A., Alharbi, A. M., Alfahemi, H., Khan, N. A. (2023). The increasing importance of the oral microbiome in periodontal health and disease. *Future Science OA*, 9(8). Future Science Ltd. <https://doi.org/10.2144/fsoa-2023-0062>
- Silva, D. N. A., Casarin, M., Monajemzadeh, S., Bezerra, B. B., Lux, R., Pirih, F. Q. (2022). The microbiome in periodontitis and diabetes. *Frontiers in Oral Health*. <https://doi.org/10.3389/froh.2022.859209>
- Singh, N., Bansal, K., Chopra, R., Kaur, D. C. (2018). Association of nutritional status on salivary flow rate, dental caries status, and eruption pattern in pediatric population in India. *Indian Journal of Dental Sciences*, 10(2),

- 72–82.
- Söderling, E., & Pienihäkkinen, K. (2020). Effects of xylitol and erythritol consumption on mutans streptococci and the oral microbiota: A systematic review. *Acta Odontologica Scandinavica*, 78(8), 599–608. <https://doi.org/10.1080/00016357.2020.1788721>
- Söderling, E., & Pienihäkkinen, K. (2022). Effects of xylitol chewing gum and candies on the accumulation of dental plaque: A systematic review. *Clinical Oral Investigations*, 26(1), 119–129. <https://doi.org/10.1007/s00784-021-04225-8>
- Söderling, E., Pienihäkkinen, K., Gursoy, U. K. (2022). Effects of sugar-free polyol chewing gums on gingival inflammation: A systematic review. *Clinical Oral Investigations*, 26(12), 6881–6891. <https://doi.org/10.1007/s00784-022-04729-x>
- Soliman, A., De Sanctis, V., Alaaraj, N., Ahmed, S., Alyafei, F., Hamed, N., et al. (2021). Early and long-term consequences of nutritional stunting: From childhood to adulthood. *Acta Biomedica*, 92(1). <https://doi.org/10.23750/abm.v92i1.11346>
- Sri Suharja, E. (2022). Effect of cheese and xylitol gum on saliva pH and PHP index. *International Research Journal of Pharmacy and Medical Sciences (IRJPMS)*, 5(3), 24–26.
- Srivastava, V. (2022). Periodontal wound healing: An absolute literature review. *Journal of Clinical Images and Medical Case Reports*, 3. <https://doi.org/10.52768/2766-7820/1726>
- Sruthi, K. S., Yashoda, R., Manjunath, P. (2020). Association between oral health status and salivary flow rate among individuals with and without burning mouth: A case control study. *Journal of the Indian Association of Public Health Dentistry*, 18(1), 47–53.
- Stefano, M.D., Santonocito, S., Polizzi, A., Mauceri, R., Troiano, G., Lo Giudice, A., et al. (2023). A reciprocal link between oral, gut microbiota during periodontitis: The potential role of probiotics in reducing dysbiosis-induced inflammation. *International Journal of Molecular Sciences*, 24(2), 1084. <https://doi.org/10.3390/ijms24021084>
- Takeuchi, K., Asakawa, M., Hashiba, T., Takeshita, T., Saeki, Y., Yamashita, Y. (2018). Effects of xylitol-containing chewing gum on the oral microbiota. *Journal of Oral Science*, 60(4), 588–594. <https://doi.org/10.2334/josnusd.17-0446>
- Tedjosasongko, U., Salsabilla, A. L., Salim, I. (2024). The correlation between oral health and stunting in children: A literature review. *World Journal of Advanced Research and Reviews*, 21(1), 489–493.

<https://doi.org/10.30574/wjarr.2024.21.1.2732>

Tian, S., Ding, T., Li, H. (2024). Oral microbiome in human health and diseases. *mLife*, 3(3), 367–383. <https://doi.org/10.1002/mlf2.12136>

Tjandra, A., Murdiantuti, K., Soesilowati, A.S.K., Yuniawati, F. (2021). The difference in scaling root-planing results between addition of photodynamic therapy and application of metronidazole gel of 25%. *Majalah Kedokteran Gigi Indonesia*, 7(3), 125–131. <https://doi.org/10.22146/majkedgiind.54560>

Tofrizal, T., Fitri, H., Ernesto, G., Ratna Juwita, D., Octaricha, T., Kasuma, N., et al. (2022). Effect of zinc consumption on salivary interleukin 1-beta levels in periodontitis: An experimental study on periodontitis male Wistar rats. *Research Square*. <https://doi.org/10.21203/rs.3.rs-1701698/v1>

Trombelli, L., Farina, R., Silva, C. O., Tatakis, D. N. (2018). Plaque-induced gingivitis: Case definition and diagnostic considerations. *Journal of Clinical Periodontology*, 45, S44–S67. <https://doi.org/10.1111/jcpe.12939>

Valm A. M. (2019). The Structure of Dental Plaque Microbial Communities in the Transition from Health to Dental Caries and Periodontal Disease. *Journal of molecular biology*, 431(16), 2957–2969. <https://doi.org/10.1016/j.jmb.2019.05.016>

Vaziri, F., & Kamaladdini, M. (2022). The effects of chewing gum on the formation of plaque on the smooth teeth surface. *Journal of Research in Dental and Maxillofacial Sciences*, 7(1), 8–14. <https://doi.org/10.29252/jrdms.7.1.8>

Vieira, K. A., Rosa-Júnior, L. S., Souza, M. A. V., Santos, N. B., Florêncio, T. M. M. T., Bussadori, S. K. (2020). Chronic malnutrition and oral health status in children aged 1 to 5 years. *Medicine*, 99(18), 1–7. <https://doi.org/10.1097/MD.00000000000019595>

WHO. (2007). *Growth reference data for 5-19 years*. World Health Organization.

Wu, Y. F., Salamanca, E., Chen, I. W., Su, J. N., Chen, Y. C., Wang, S. Y., et al. (2022). Xylitol-containing chewing gum reduces cariogenic and periodontopathic bacteria in dental plaque—Microbiome investigation. *Frontiers in Nutrition*, 9, 882636. <https://doi.org/10.3389/fnut.2022.882636>

Wu, Y.-F., Salamanca, E., Chen, I.-W., Su, J.-N., Chen, Y.-C., Chien, C.-H., et al. (2020). Saliva microbiome features of type 2 diabetic patients. *Journal of Diabetes Research*, 2020, Article ID 2967261, 1–10. <https://doi.org/10.1155/2020/2967261>

Xia, Y., & Sun, J. (2023). Alpha diversity. In *Bioinformatic and Statistical Analysis of Microbiome Data* (pp. 289–333). Cham: Springer International Publishing.

Yaman-Sözbir, Ş., Ayaz-Alkaya, S., Bayrak-Kahraman, B. (2019). Effect of chewing gum on stress, anxiety, depression, self-focused attention, and academic success: A randomized controlled study. *Stress and Health*, 35(4), 441–446. <https://doi.org/10.1002/smj.2872>

Zhou, P., Manoil, D., Belibasakis, G. N., Kotsakis, G. A. (2021). Veillonellae: Beyond Bridging Species in Oral Biofilm Ecology. *Frontiers in oral health*, 2, 774115. <https://doi.org/10.3389/froh.2021.774115>

Zini, A., Mazor, S., Timm, H., Barker, M. L., Grender, J. M., Gerlach, R. W., et al. (2021). Effects of an oral hygiene regimen on progression of gingivitis/early periodontitis: A randomized controlled trial. *Canadian Journal of Dental Hygiene*, 55(2).

Zymo Research. (2023). *ZymoBIOMICSTM DNA Miniprep Kit Protocol* [Internet]. Available from: <https://zymoresearch.eu/collections/zymobiomics-DNA-kits/products/zymobiomics-DNA-miniprep-kit>

