

DAFTAR PUSTAKA

- Adamczack, A., Ozarowski, M., dan Karpinski, T. M., (2020) Curcumin, a Natural Antimicrobial Agent with Strain-Specific Activity. *Pharmaceuticals*. 13(153):1-12.
- Akram, M., Shahab-uddin, Ahmed, A., Usmanghani, K., Hannan, A., Mohiuddin, E., dan Asif, M., (2010) Curcuma longa and Curcumin: A review article. *Rom J Biol - Plant Biol*. 55(2): 65-70.
- Al-hebshi, N. N., Shuga-Aldin, H. M., Al-Sharabi, A. K., dan Ghandour, I., (2014) Subgingival periodontal pathogens associated with chronic periodontitis in Yemenis. *BMC Oral Health*. 14(1): 1–8.
- Alibasyah, Z. M., Ningsih, D. S. dan Ananda, S. F., (2018) Daya hambat minuman probiotik yoghurt susu sapi terhadap *Porphyromonas gingivalis* secara in vitro. *Journal of Syiah Kuala*, 3(1): 1–5.
- Azouni, K. G. dan Tarakji, B., (2014) The trimeric model: A new model of periodontal treatment planning. *J Adv Clin Diagnostic Res*, 8(7): 17–20.
- Bomdyal, R. S., Shah, M. U., Doshi, Y. S., Shah, V. A., dan Khirade, S. P., (2017) Antibacterial activity of curcumin (turmeric) against periopathogens - An in vitro evaluation. *J Adv Clin Res Insights*. 4(6): 175–180.
- Cianfruglia, L., Minnelli, C., Laudadio, E., Scire, A., dan Armeni, T., (2019) Side effects of curcumin: Epigenetic and antiproliferative implications for normal dermal fibroblast and breast cancer cells. *Antioxidants*. 8(9):1–13.
- Collins, J. R., Chinae, S., Cuello, R. J., Florian, A. P., Palma, P., Ambrosio, N., Marin, M. J., Figuero, E., dan Herrera, D., (2019) Subgingival microbiological profile of periodontitis patients in Dominican Republic. *Acta odontol latinoam*. 32(1): 36–43.
- Colombo, A. P. V., Magalhaes, C. B., Hartenbach, F. A. R. R., do Souto, R. M., dan da Silva-Boghossian, C. M., (2015) Periodontal-disease-associated biofilm: A reservoir for pathogens of medical importance. *Micro Pathog*. 94(2006): 27–34.
- Coman, M. M., Verdenelli, M. C., Cecchini, C., Silvi, S., Orpianesi, C., Boykok, N., dan Cresci, A., (2014) In vitro evaluation of antimicrobial activity of *Lactobacillus rhamnosus* IMC 501®, *Lactobacillus paracasei* IMC 502® and SYN BIO® against pathogens. *J Appl Microbiol*. 117(2): 518–527.
- Devitaningtyas, N., Syaify, A., Herawati, D., dan Suryono. (2020) Evaluation of Antibacterial Potential of Carbonated Hydroxyapatite Combined with Propolis on *Porphyromonas gingivalis*. *Trad Med J*. 25(1): 11–12.
- Donos, N. (2018) The periodontal pocket. *Periodontol 2000*. 76(1): 7–15.
- Ewon, K. dan Bhagya, A. S., (2019) A review on golden species of Zingiberaceae family around the world: Genus *Curcuma*. *Afr J Agric Res*. 14(9): 519–531.
- Fang, F., Xu, J., Li, Q., Xia, X., dan Du, G., (2018) Characterization of a *Lactobacillus brevis* strain with potential oral probiotic properties. *BMC Microbiology*. 18(1): 1–9.
- Feyereisen, M., Mahony, J., Lugli, G. A., Ventura, M., Neve, H., Franz, C. M. A. P., Noben, J., O'Sullivan, T., dan van Sinderen, D., (2019) Isolation and Characterization of *Lactobacillus brevis* Phages. *Viruses*. 11(393): 1-16.

- Grenier, D., Bonifait, L. dan Chandad, F., (2009) Probiotics for oral health: Myth or reality?. *J Can Dent Assoc.* 75(8): 591–596.
- Gunes, H., Gulen, D., Mutlu, R., Gumus A., Tas, T., dan Topkaya, E. A., (2013) Antibacterial effects of curcumin: an in vitro minimum inhibitory concentration study. *Toxicol Ind Health.* 2013: 1-5.
- Hajishengallis, G. (2014) Immunomicrobial pathogenesis of periodontitis: Keystones, pathobionts, and host response. *Trends Immunol.* 35(1): 3–11.
- Hasan, A. dan Palmer, R. M., (2014) A clinical guide to periodontology: Pathology of periodontal disease. *Br Dent J.* 216(8): 457–461.
- Hewlings, S. dan Kalman, D., (2017) Curcumin: A Review of Its Effects on Human Health. *Foods.* 6(10): 1-10.
- Ikpeama, A., Onwuka, dan Nwanko, C., (2014) Nutritional Composition of Tumeric (*Curcuma longa*) and its Antimicrobial Properties. *Int J Sci Eng Res.* 5(10): 1085–1089.
- Ismail, A., Lani, M. N., Zakeri, H. A., Hasin, N. N., Alias, R., dan Mansor. A., (2021) Synergistic of antimicrobial activities of lactic acid bacteria in fermented *Tilapia nilotica* incorporated with selected species. *Food Research* 5(3):163-173.
- Izui, S. Sekine, S., Maeda, K., Kuboniwa, M., Takada, A., Amano, A., dan Nagata, H., (2016) Antibacterial Activity of Curcumin Against Periodontopathic Bacteria. *J Periodontol.* 87(1): 83–90.
- Jain, P. dan Sharma, P. (2012) Probiotics and their efficacy in improving oral health: A review. *J Appl Pharm Sci.* 2(11): 151–163.
- Jalaluddin, M., Jayanti, I., Gowdar, I. M., Roshan, R., Varkey, R. R., dan Thirutheri, A., (2019) Antimicrobial Activity of *Curcuma longa* L. Extract on Periodontal Pathogens. *J Pharm Bioallied Sci.* 11(2): 203-207.
- Kemkes RI (2018) *Laporan Nasional Riset Kesehatan Dasar (Riskesdas) Indonesia tahun 2018, Riset Kesehatan Dasar 2018.* Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan.
- Kim, J., Kim, H., Jeon, S., Jo, J., Kim, Y., dan Kim, H., (2020) Synergistic Antibacterial Effects of Probiotic Lactic Acid Bacteria with *Curcuma longa* Rhizome Extract as Synbiotic against *Cutibacterium acnes*. *Appl. Sci.* 10(24): 8955.
- Kocaadam, B. and Şanlıer, N. (2017) Curcumin, an active component of turmeric (*Curcuma longa*), and its effects on health. *Crit Rev Food Sci Nutr.* 57(13): 2889–2895.
- 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.
- Mali, M. A., Behal, R., dan Gilda, S. S., (2012) Comparative evaluation of 0,1% turmeric mouthwash with 0,2% chlorhexidine gluconate in prevention of plaque and gingivitis: A clinical and microbiological study. *J Indian Soc Periodontol.* 16(3): 386-391.
- Moghadamtousi, S. Z., Kadir, H. A., Hassandarvish, P., Tajik, H., Abubakar, S., dan Zandi, K., (2014) A review on antibacterial, antiviral, and antifungal

- activity of curcumin. *BioMed Res Inter.* 2018: 1-12.
- Mysak, J., Podzimek, S., Sommerova, P., Lyuya0Mi, Y., Bartova, J., Janatova, T., Procazkova, J., dan Duskova, J., (2014) *Porphyromonas gingivalis*: Major periodontopathic pathogen overview. *J Immunol Res*, 2014: 1-8.
- Nagarakanti, S., Gunupati, S., Chava, V. K., dan Reddy, B. V. R., (2015) Effectiveness of subgingival irrigation as an adjunct to scaling and root planing in the treatment of chronic periodontitis: A systematic review. *J Clin Diagnostic Res.* 9(7):ZE06–ZE09.
- Nagpal, M. dan Sood, S., (2013) Role of curcumin in systemic and oral health: An overview. *J Nat Sc Biol Med.* 4(1): 3–7.
- Nayak, S. V., Raut, P. N., Mandhare, P. N., dan Gotmare, S. R., (2017) Turmeric: the golden and precious gift of nature. *Int J Adv Res.* 5(1): 1652–1655.
- Nazir, M., Al-Ansari, A., Al-Khalifa, K., Alhareky, M., Gaffar, B., dan Almas, K., (2020) Global Prevalence of Periodontal Disease and Lack of Its Surveillance. *Sci World J.* 2020: 1 - 8.
- Nazir, M. A. (2018) Prevalence of periodontal disease, its association with systemic diseases and prevention. *Int J Health Sci.* 11(2): 72–80.
- Pandya, D. J., Manohar, B., Mathur, L. K., dan Shankarapillai, R., (2016) Comparative evaluation of two subgingival irrigating solutions in the management of periodontal disease: A clinicomicrobial study. *J Indian Soc Periodontol.* 20: 597–602.
- Prakasita, V. C., Asmara, W., Widyarini, S., dan Wahyuni, A. E. T. H., (2019) Combinations of herbs and probiotics as an alternative growth promoter: An in vitro study. *Veterinary World.* 12(4): 614–620.
- Prasad, S., Gupta, S. C., Tyagi, A. K., dan Aggarwal, B., (2014) Curcumin, a component of golden spice: From bedside to bench and back. *J Biotech Adv.* 32(6): 1053–1064.
- Rudhra, K., Ilango, P., Chandran, V., Abirami, T., Vummidi, A. V., dan Mahalingam, A., (2020) An in vitro evaluation of curcumin oral gel antimicrobial efficacy against *Porphyromonas gingivalis* and *Prevotella intermedia*. *Drug Invention Today.* 13(1): 97-101.
- Sahne, F., Mohammadi, M., Najafpour, G., dan Moghdamnia, A. A., (2016) Extraction of bioactive compound curcumin from turmeric (*Curcuma longa* L.) via different routes : A comparative study. *Pak J Biotechnol.* 13(3): 173-180.
- Singh, V., Ganger, S. dan Patil, S. (2020) Characterization of *Lactobacillus brevis* with Potential Probiotic Properties and Biofilm Inhibition. *Proceedings.* 66(14): 1-7.
- Sukumaran, S. K., Vadakkekuttical, R. J. dan Kanakath, H. (2020) Comparative evaluation of the effect of curcumin and chlorhexidine on human fibroblast viability and migration: An in vitro study. *J Indian Soc Periodontol.* 24:109–116.
- Takeuchi, H., Sasaki, N., Yamaga, S., Kuboniwa, M., Matsusaki, M., dan Amano, S., (2019) *Porphyromonas gingivalis* induces penetration of lipopolysaccharide and peptidoglycan through the gingival epithelium via degradation of junctional adhesion molecule. *PLoS Pathog.* 15(11): 1–26.

Yong, C., Yoon, Y., Yoo, H., dan Oh, S., (2019) Effect of *Lactobacillus* Fermentation on the Anti-Inflammatory Potential of Turmeric. *J Microbiol Biotechnol.* 29(10): 1561 - 1569.