

## DAFTAR PUSTAKA

- Amoros, M., Simoes, C. M. O. & Girre, L., 1992. Synergistic effect of Flavones and Flavonols Against Herpes Simplex Virus Type 1 in Cell Culture. Comparison with the Antiviral Activity of Propolis. *Journal of Natural Products*, 55(12), pp. 1732-1740.
- Arias, A., De la macorra, J. C., Hidalgo, J. J. & Azabal, M., 2013. Predictive models of pain following root canal treatment: a prospective clinical study. *International Endodontic Journal*, Volume 46, pp. 784-793.
- Azwanida, N., 2015. A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation. *Medicinal & Aromatic Plants*, 4(3), pp. 1-6.
- Bankova, V. S., Castro, S. L. D. & Marcucci, M. C., 2000. Propolis: recent advances in chemistry and plant origin. *Apidologie*, Volume 31, pp. 3-15.
- Buttgereit, F., Burmester , G.-R. & Brand, M. . D., 2000. Bioenergetics of immune functions: fundamental and therapeutic aspects. *Immunology* , 21(4), pp. 193-199.
- Bystrom, A. & Sundqvist, G., 1981. Bacteriologic Evaluation of the Efficacy of Mechanical Root Canal Instrumentation in Endodontic Therapy. *Endodontic Therapy*, Volume 89, pp. 321-328.
- Cheung, H. Y. et al., 2012. Differential Actions of Chlorhexidine on the Cell Wall of *Bacillus Subtilis* and *Escherichia Coli*. *Plos one*, 7(5), pp. 1-11.
- Cloutier, M. & Wellstead, P., 2009. The control systems structures of energy metabolism. *Journal of the royal society interface*, Volume 7, pp. 651-655.
- Cushine, T. P. T. & Lamb, A. J., 2011. Recent Advances in Understanding the Antibacterial Properties of Flavonoids. *International of Journal Antimicrobial Agents*, Volume 38, pp. 99-107.
- Crane, E. *Beekeeping: Science, Practice and World Recourses*; Heinemann: London, UK, 1988.
- Ercan, E., Dalli, M. & Yavuz, I., 2006. Investigation of Microorganisms in Infected Dental Root Canals. *Biotechnology and Biotechonology Equipment* , 20(2), pp. 166-172.
- Fernandes-Silva, C. C., Freitas, J. C., Salatino, A. & Salatino, M. L. F., 2013. Cytotoxic Activity of Six Samples of Brazilian Propolis on Sea Urchin (*Lytechinus variegatus*) Eggs. *Evidence-BasedComplementaryandAlternativeMedicine*, Volume 2013, pp. 1-4.
- Flahaut, S., Hartke, A. & Giard, J. C., 1996. Relationship Between Stress Response Towards Bile Salts, Acid and Heat Treatment in *Enterococcus Faecalis*. *Microbiology*, 138(1), pp. 49-54.

- Gajan, E. B. et al., 2013. Antibiotic Resistance in Enterococcus faecalis Isolated from Hospitalized Patients. *Dental Research, Dental Clinic, Dental Prospects*, 7(2), pp. 102-104.
- Haraguchi, H. et al., 1998. Mode of Antibacterial Action of Retrochalcones from Glycyrrhiza Inflata. *Phytochemistry*, 48(1), pp. 125-129.
- Huang, S., Zhang, C.-P. & Wang, K., 2014. Recent Advances in the Chemical Composition of Propolis. *Molecules*, 19(1), pp. 19610-19632.
- Hu, F. et al., 2005. Effects of Ethanol and Water Extracts of Propolis (bee glue) on Acute Inflammatory Animal Models. *Journal of Ethnopharmacology*, Volume 100, pp. 276-283.
- Ikigai, H., Nakae, T., Hara, Y. & Shimamura, T., 1992. Bactericidal catechins damage the lipid bilayer. *Biochimica et Biophysica Acta*, 1147(1993), pp. 132-136.
- John, G. et al., 2015. Enterococcus Faecalis, A Nightmare to Endodontist: A Systematic Review. *Academic Journals*, 9(13), pp. 898-908.
- Kayaoglu, G., 2004. Virulence Factors of Enterococcus Faecalis : Relationship to Endodontic Disease. *Crit Rev Oral Bio Med*, 15(5), pp. 308-320.
- Kayaoglu, G. et al., 2011. Antibacterial Activity of Propolis versus Conventional Endodontic Disinfectants against Enterococcus aecalisis in Infected Dentinal Tubules. *Journal of Endodontontology*, 37(3), pp. 376-381.
- Kieliszek, M. et al., 2017. Pollen and Bee Bread as New Health-oriented Products: A Review. *Trends in Food Science and Technology*, 1(1), p. 4.
- Kumar, S. & Pandey , A. K., 2013. Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*, Volume 2013, pp. 1-16.
- Kurtz, E., Iqbal, M. & Kohli, M., 2009. Incidence and factors related to flare-ups in a graduate endodontic programme. *International Endodontic Journal*, Volume 42, pp. 99-104.
- Leal silva, E. j. N., Menaged, K. & Ajuz, N., 2013. Postoperative Pain after Foraminal Enlargement in Anterior Teeth with Necrosis and Apical Periodontitis: A Prospective and Randomized Clinical Trial. *Journal Of Endodontic*, 39(2), pp. 173-176.
- Li, Z.-Y., Wang, Y.-Z., He, . L.-M. & Zheng, . H.-J., 2014. Metabolic profiles of prokaryotic and eukaryotic communities in deep-sea sponge Lamellomorpha sp. indicated by metagenomics. *Scientific Reports*, Volume 4, pp. 1-11.
- Makinen, P. L., Clewell, D. B., An, F. & Makinen, K. K., 1989. Purification and Substrate Specificity of a Strongly Hydrophobic Extracellular

- Metalloendopeptidase (“Gelatinase”) from *Streptococcus fuecalis* (Strain OG1-IO)\*. *The Journal of Biological Chemistry*, 264(6), pp. 3325-3334.
- Mihai, C. M., Marghitas, L. A. & Dezmirean, D. S., 2012. Interactions Among Flavonoids of Propolis Affect Antibacterial Activity Against the Honeybee Pathogen *Paenibacillus* Larvae. *Journal of Invertebrate Pathology*, 110(1), p. 68.
- Molander, A., Reit, C. & Dahlen, G., 1998. Microbiological Status of Root-Filled Teeth with Apical Periodontitis. *International Endodontic Journal*, Volume 31, pp. 1-7.
- Mori, A., Nishino, C., Enoki, N. & Tawata, S., 1987. Antibacterial Activity and Mode of Action of Plant Flavonoids Against *Proteus Vulgaris* and *Staphylococcus Aureus*. *Phytochemistry*, 26(8), pp. 2231-2234.
- Murray, R. K., Granner, D. K. & Rodwell, V. W., 2009. *Harper's illustrated biochemistry*. 29 ed. Jakarta: EGC.
- Negri, G. Hydrocarbons and monoesters of propolis waxes. *Apidologie* 1998, 29, 305–314.
- Nascimento, Maristela., Moreno, Izildinha., Kuaye, Arnaldo., 2010. Antimicrobial Activity Of *Enterococcus Faecium* FAIR-E 198 Against Gram-Positive Pathogens. *Brazilian Journal of Microbiology*, 41, pp 74-81.
- Park, Y. K., Alencar, S. M. & Aguiar, C. L., 2002. Botanical Origin and Chemical Composition of Brazilian Propolis. *Agricultural and Food Chemistry*, Volume 50, pp. 2502-2506.
- Parolia, A., Thomas, M. S., Kundabala, M. & Mohan, M., 2010. Propolis and its potential uses in oral health. *International Journal of Medicine and Medical Sciences*, 2(7), pp. 210-215.
- Rocas, I. N., Siqueira, J. F. & Santos, K. R. N., 2004. Association of *Enterococcus faecalis* With Different Forms of Periradicular Diseases. *Journal of Endodontics*, 30(5), pp. 315-320.
- Rodwell, V. W. et al., 2018. *Biokimia Harper*. 30 ed. Jakarta: EGC.
- Samland, A. K. & Sprenger, G. A., 2009. Transaldolase: From biochemistry to human disease. *The International Journal of Biochemistry & Cell Biology*, Volume 41, pp. 1482-1494.
- Sherman, J. B. et al., 1994. Common Mutations in the Phosphofructokinase-M Gene in Ashkenazi Jewish Patients with Glycogenesis VII and Their Population Frequency. *The American Society of Human Genetics*, Volume 55, pp. 305-313.

- Signoretto, C., Lleo, M. D. M., Tafi, M. C. & Canepari, P., 2000. Cell Wall Chemical Composition of Enterococcus faecalis in the Viable but Nonculturable State. *Environmental Microbiology*, 66(5), pp. 1953-1959.
- Sipavicute, E. & Maneliene, R., 2014. Pain and flare-up after endodontic treatment procedures. *Stomatologija, Baltic Dental and Maxillofacial Journal*, Volume 16, pp. 25-30.
- Siqueira, J. F. & Barnett, F., 2004. Interappointment Pain: Mechanisms, Diagnosis, and Treatment. *Endodontic Topics*, 7(1), pp. 93-109.
- Stincone, A. et al., 2016. The return of metabolism: biochemistry and physiology of the pentose phosphate pathway. *Biol Rev Camb Philos Soc.*, 90(3), pp. 1-67.
- Stuart, C. H., Schwartz, A. S. & Beeson, T. J., 2006. Enterococcus Faecalis: Its Role in Root Canal Treatment Failure and Current Concepts in Retreatment. *Journal of Endodontic*, 32(2), pp. 94-95.
- Suchitra, U. & Kundabala, M., 2002. Enterococcus Faecalis: An Endodontic Pathogen. *Endodontology*, pp. 11-13.
- Sundqvist, G., 1992. Ecology of Root Canal Flora. *Journal of Endodontics*, 18(9), p. 427.
- Tabassum, S. & Khan, F. R., 2016. Failure of endodontic treatment: The usual suspects. *European Journal of Dentistry*, Volume 10, pp. 144-147.
- Takao, A. et al., 1997. Hyaluronidase Activity in Human Pus from Which Streptococcus intermedius Was Isolated. *Microbiol. Immunol.*, 41(10), pp. 795-798.
- Tendolkar, P. M., Baghdayan, A. S. & Shankar, N., 2003. Pathogenic Enterococci: New Developments in the 21st Century. *Celullar and Molecular Life Science*, 60(1), pp. 2622-2636.
- Trethewey, R. N., 2001. Expression of a bacterial sucrose phosphorylase in potato tubers results in a glucose-independent induction of glycolysis. *Plant, Cell and Environment*, 24(1), p. 357.
- Tsuchiya, H. & Linuma, M., 2000. Reduction of Membrane Fluidity by Antibacterial Sophoraflavanone G Isolated from Sophora Exigua. *Phytomedicine*, 7(2), pp. 161-165.
- Wagh , V. D., 2013. Propolis: A Wonder Bees Product and Its Pharmacological Potentials. *Advances in Pharmacological Sciences*, Volume 2013, pp. 1-11.
- Wang, W., Li, G. & Jia, W., 2014. Prevalence and Antimicrobial Resistance of Enterococcus Species: A Hospital-Based Study in China. *Environmental Research and Public Health*, 11(1), pp. 3424-3438.

- Xi, C. et al., 2016. The Entner–Doudoroff pathway is an overlooked glycolytic route in cyanobacteria and plants. *PNAS*, 113(19), pp. 5441-5446.
- Yuan, H., Ma, Q., Ye, L. & Piao, G., 2016. The Traditional Medicine and Modern Medicine fromNatural Products. *Molecules*, 21(1), p. 1.