

## DAFTAR PUSTAKA

- Anibijuwon, I., Gbala, I., Adeyemi, J., Abioye, J., 2017. Antibacterial Activity of Stingless Bee (*Dactylurina studingeri*) Propolis on Bacteria Isolated from Wound. *SMU Medical Journal*, 4 (1) : 43-52.
- Bankova, S.V., De Castro, S.L., Marcucci, M.C., 2000. Propolis: recent advances in chemistry and plant origin. *Apidologie*, 31 (1): 3-15.
- Bart, H.J. 2011., Extraction of Natural Products from Plants – An Introduction. Dalam Bart, H.J., Pilz, S. (Editor): *Industrial Scale Natural Products Extraction*. Weinheim : Wiley.
- Behera, S., Ghanty, S., Ahmad, F., Santra, S., Banerjee, S., 2012. UV-Visible Spectrophotometric Method Development and Validation of Assay of Paracetamol Tablet Formulation. *Journal Analytical and Bioanalytical Techniques*, 3 (6): 1-6.
- Bostancı, N., Belibasakis, G.N., 2012. *Porphyromonas gingivalis*: an invasive and evasive opportunistic oral pathogen. *FEMS Microbiol Lett*, 333: 1–9.
- Coykendall. 1980., *Porphyromonas gingivalis*. Diakses 29 April 2016, dari <http://bacdive.dsmz.de/resultpdf.php?resultid=12506>.
- Cugini, C., Klepac-Ceraj, V., Rackaityte, E., Riggs, J.E., Davey, M.E., 2013. *Porphyromonas gingivalis*: keeping the pathos out of the biont. *Journal of Oral Microbiology* 2013, 5 (19804): 1-10.
- Cushnie, T.P.T., Hamilton, V.E.S., Lamb, A.J., 2003. Assessment of the antibacterial activity of selected flavonoids and consideration of discrepancies between previous reports. *Microbiol Res*, 158: 281–289.
- Chew, K. K., Khoo, M. Z., Ng, S. Y., Thoo, Y. Y., Wan Aida, W. M., Ho, C. W., 2011. Effect of ethanol concentration, extraction time and extraction temperature on the recovery of phenolic compounds and antioxidant capacity of Orthosiphon stamineus extracts. *International Food Research Journal*, 18 (4): 1427-1435.
- Coelho, G.R., Mendonça, R.Z., Vilar, K.S., Cigueiredo, C.A., Badari, J.C., Taniwaki, N., Namiyama, G., Oliveira, M.I., Curti, S.P., Silva, P.E., Negri, G., 2015. Antiviral Action of Hydromethanolic Extract of Geopropolis from *Scaptotrigona postica* against Antiherpes Simplex Virus (HSV-1). *Evidence-Based Complementary and Alternative Medicine*, 1-10.
- El- Fadaly H., E.E.Y. El-Badrawy., 2001. Flavonoids of Propolis and Their Antibacterial Activities. *Pakistan Journal of Biological Sciences*, 4: 204-207.

- Enerson, M., Nakano, K., Amano, A., 2013. *Porphyromonas gingivalis* Fimbriae. *Journal of oral microbiology*, 5: 1-10.
- Fokt, H., Pereira , A., Ferreira, A.M., Cunha, A., Aguiar, C., 2010. How do bees prevent hive infections? The antimicrobial properties of propolis. Dalam Méndez-Vilas, A. (Editor): *Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology*, Edisi 1, Bardajoz: Formatex.
- Gebara, E.C.E., Lima, L.A., Mayer, M.P.A., 2002. Propolis Antimicrobial Activity Against Periodontopathic Bacteria. *Brazilian Journal of Microbiology*, 33: 365-369.
- Grange, J.M., Davey, R.W., 1990. Antibacterial properties of propolis (bee glue). *Journal of the Royal Society of Medicine*, 83: 159-160.
- Grenier, D., Roy, E., Mayrand D., 2003. Modulation of *Porphyromonas gingivalis* Proteinase Activity by Suboptimal Doses of Antimicrobial Agents. *J Periodontol* 2003, 74: 1316-1319.
- Hansen, M.C., Palmer Jr, R.J., White, D.C., 2000. Flowcell culture of *Porphyromonas gingivalis* biofilms under anaerobic conditions. *Journal of Microbiological Methods*, 40: 233–239.
- Harborne, J.B., 1998. *Phytochemical Methods*, Edisi 3, London : Chapman & Hall.
- Hemaiswarya, S., Doble, M., 2010. Synergistic interaction of phenylpropanoids with antibiotics against bacteria. *Journal of medical microbiology*, 59: 1469-1476.
- Hill, M. J. Marsh, P. D., 1990. Factors controlling the Microflora of the Healthy Mouth. Dalam M.J. Hill, M.J., Marsh, P.D. (Editor): *Human Microbial Ecology*, Edisi 1, Florida: CRC Press.
- Huang, S., Zhang, C.P., Wang, K., Li, G.Q., Hu, F.L., 2014. Recent Advances in the Chemical Composition of Propolis. *Molecules*, 19 (12): 19610–19632.
- Japoni, A., Vazin, A., Noushadi, S., Kiany, F., Japoni, S., Alborzi, A., 2011. Antibacterial susceptibility patterns of *Porphyromonas gingivalis* isolated from chronic periodontitis patients. *Med Oral Patol Oral Cir Bucal*, 16 (7): 1031-1035.
- Kumar, S. Pandey, A.K., 2013. Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*, 13: 1-16.

- Lin, X., Wu, J., Xie, H., 2006. *Porphyromonas gingivalis* Minor Fimbriae Are Required for Cell-Cell Interactions. *Infection and Immunity*, 74 (10): 6011-6015.
- Kuropatnicki, A.K., Szeliszka, E. & Krol, W., 2013. Historical aspects of propolis research in modern times. *Evidence-based Complementary and Alternative Medicine*, 1-11.
- Kusumawardhani, B., Pujiastuti, P., Sandra D.S., 2010. Uji biokimiawi sistem API 20 A mendeteksi *Porphyromonas gingivalis* isolat klinik dari plak subgingiva pasien periodontitis kronis. *Jurnal PDGI*, 59(3): 110-114.
- Machado, J.L., Assunc'ao, A.K.M., da Silva, M.C.P., Reis, A.S., Costa, G.C., Arruda, D.S., 2012. Brazilian Green Propolis: Anti-Inflammatory Property by an Immunomodulatory Activity. *Journal Evidence-Based Complementary and Alternative Medicine*, 12: 1-10.
- Madianos, P.N., Papapanou, P.N., Dahle N, U.G., Sandros, J., 1996. *Porphyromonas gingivalis* FDC381 Multiplies and Persists within Human Oral Epithelial Cells in vitro. *Journal of infection and immunity*, 64(2): 660-664.
- Marcucci, M.C., 1995. Propolis: chemical composition, biological properties and therapeutic activity. *Apidologie*, 26: 83-99.
- Mukhriani, T., 2014. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan*, 7(2): 361-367.
- Mysak, J., Podzimek, S., Sommerova, P., Lyuya-Mi, Y., Bartova, J., Janatova, T., Prochazkova, J., Duskova, J., 2014. *Porphyromonas gingivalis*: Major periodontopathic pathogen overview. *Journal of Immunology Research*, 1-8.
- Neelufar, S.S., Prasanna, K.R., Joshna, A., Lakshmi, S.T., 2014. Effect of herbs on periodontitis – a serious gum infection. *International Journal of Pharmacology Research*, 4(1): 17-22.
- Notohartojo, I.T., Sihombing, M., 2015. Faktor Risiko Pada Penyakit Jaringan Periodontal Gigi Di Indonesia (Risksdas 2013). *Buletin Penelitian Sistem Kesehatan*, 18(1): 87-94.
- Pfennig, A., Delinski, D., Johannsbauer, W., Josten, H., 2011. Extraction Technology. Dalam Bart, H.J., Pilz, S (Editor): *Industrial Scale Natural Products Extraction*. Weinheim : Wiley.
- Pinheiro, P.F., Justino, G.C. 2012. Structural Analysis of Flavonoids and Related Compounds – A Review of Spectroscopic Applications. Dalam Rao, V. (Editor): *Phytochemicals - A Global Perspective of Their Role in Nutrition and Health*. Rijeka: Intech.

- Segura, A.I.V., Ilyina, A., Ceniceros E.P.S., Belmares, Y.S., Gonzales, L.M., 2015. Etiology and microbiology of periodontal diseases: A review. *African Journal of Microbiology Research*, 9 (48): 2300-2306.
- Simone, M., Evans, J., Spivak, M., 2009. Resin collection and social immunity in honey bees. *Evolution*, 63 (11): 3016–3022.
- Singh, A., Wyant, T., Anaya-Bergman, C., Aduse-Opoku, J., Brunner, J., Laine, M.L., Curtis, M.A., Lewis, J.P., 2011. The Capsule of *Porphyromonas gingivalis* Leads to a Reduction in the Host Inflammatory Response, Evasion of Phagocytosis, and Increase in Virulence. *Infection and Immunity*, 79 (11): 4533-4542.
- Silva Frozza, C.O., Charlene Silvestrin Celi Garcia, C.S.C., Gambato, G., de Souza, M.D.O., Salvador, M., Moura, S., Padilha, F.F., Seixas, F.K., Collares, T., Borsuk, S., Dellagostin, O.A., Henriques, J.A.P., Roesch-Ely, M., 2012. Chemical characterization, antioxidant and cytotoxic activities of Brazilian red propolis. *Food and Chemical Toxicology*, 52: 137–142.
- Sutton, S., 2011. Determination of Inoculum for Microbiological Testing. *Journal of GXP Compliance*, 15 (3): 49-53.
- Taylor J.J., Preshaw P.M., 2012. Periodontal Pathogenesis. Dalam Newman, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A: *Carranza's Clinical Periodontology*, Edisi 11, Missouri : Elsevier saunders Inc.
- Teughels, W., Quirynen, M., Jakubovics, N., 2012. Periodontal Microbiology. Dalam Newman, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A: *Carranza's Clinical Periodontology*, Edisi 11, Missouri : Elsevier saunders Inc.
- Viuda-Martos, M., Navajas Y.R., Lopez, J.F., Alvarez J.A.P., 2008. Functional Properties of Honey, Propolis, and Royal Jelly, *Journal of Food Science*, 73 (9):117-124.
- Wade, W.G., 2009. The Normal Oral Microbiota. Dalam Henderson, B., Curtis, M.A., Syemour, R.M., Donos, N: *Periodontal Medicine and System Biology*, Iowa : Blackwell.
- Wagh, V.D., 2013. Propolis: A Wonder Bees Product and Its Pharmacological Potentials, *Advances in Pharmacological Sciences*, 2013 (308249): 1-11.
- Wang, P.L., Ohura, K., 2002. *Porphyromonas gingivalis* lipopolysaccharide signalling in gingival fibroblasts-CD14 and toll-like receptors, *Critical Reviews in Oral Biology and Medicine*, 13(2): 132-142.
- Weiss, K., Vergara, C.H., 1997. Bumblebee and Stingless bee. Dalam Haynes, D. (Editor): *The Little Book of Bee*. New York : Copernicus books.

- Widdel, F., 2007. Theory and measurement of bacterial growth. *Grundpraktikum Mikrobiologie*: 1–11.
- Yalfani, R., Khosravi, A., Pirouz, B., 2013. Evaluation of the antifungal activity of Iranian propolis against *Candida albicans*. *African Journal of Microbiology Research*, 7(35): 4457-4464.