

DAFTAR PUSTAKA

- Affandi, A. Andrini, F. Lesmana, SD, (2009) Penentuan konsentrasi hambat minimal dan konsentrasi bunuh minimal larutan povidon iodine 10% terhadap *Staphylococcus aureus* Resistensi Metisilin (MRSA) dan *Staphylococcus aureus* Sensitif Metisilin (MSSA), *Jurnal Keperawatan Indonesia*, 3 (1) : 14-19.
- Anand, A., Chinchilla, D., Tan, C., Mène-Saffrané, L., L'Haridon, F., Weisskopf, L., (2020) Contribution of Hydrogen Cyanide to the Antagonistic Activity of *Pseudomonas* Strains Against *Phytophthora infestans*, *Microorganisms*, (8) : 1-10.
- Arini, D. I. D., (2012) Potensi Pangi (*Pangium edule* Reinw) Sebagai Bahan Pengawet Alami dan Prospek Pengembangannya di Sulawesi Utara, *Info BPK Manado*, 2 (2) : 103-114.
- Atabani, A. E., Badruddin, I. A., Masjuki, H. H., Chong, W. T., Lee, K. T., (2014) *Pangium edule* Reinw : A Promising Non-edible Oil Feedstock for Biodiesel Production, *Arabian Journal for Science and Engineering*, 40 (1) : 583-594.
- Azizi, A., Aghayan, S., Zaker, S., Shakeri, M., Entezari, N., Lawaf, S., (2015) *In Vitro* Effect of *Zingiber officinale* Extract on Growth of *Streptococcus mutans* and *Streptococcus sanguinis*, *International Journal of Dentistry*, 1 (1) : 1-5.
- Badri, S. M., Felemban, E. H., Alnajjar, G. K., Alotaibi, F. M., Aljahdali, S. T., Maher, Y. A., Fathi, A., (2020) Effectiveness of probiotic lozenges and Chlorhexidine mouthwash on plaque index, salivary pH, and *Streptococcus mutans* count among school children in Makkah, Saudi Arabia, *Saudi Dental Journal*, 1 (1) : 1-7.
- Baker, S. P., Nulton, T. J., Kitten, T., (2019) Genomic, Phenotypic, and Virulence Analysis of *Streptococcus sanguinis* Oral and Infective-Endocarditis Isolates, *American Society for Microbiology*, 87 (1) : 1-18.
- Banar, M., Emaneini, M., Beigverdi, R., Pirlar, R. F., Farahani, N. N., Van Leeuwen, W. B., Jabalameli, F., The efficacy of lyticase and β -glucosidase enzymes on biofilm degradation of *Pseudomonas aeruginosa* strains with different gene profiles, *BMC Microbiology*, 19 (1) : 1-11.
- Bernardi, A., Teixeira, C. S., (2015) The Properties of Chlorhexidine and Undesired Effects of Its Use in Endodontics, *Quintessence International*, 46 (7) : 575-582.
- Caufield, P. W., Dasanayake, A. P., Li, Y., Pan, Y., Hsu, J., Hardin, J. M., (2000) Natural History of *Streptococcus sanguinis* in the Oral Cavity of Infants: Evidence for a Discrete Window of Infectivity, *American Society for Microbiology*, 68 (7) : 4018-4023.
- Chun, S., Huh, H. J., Lee, N. Y., (2015) Species-Specific Difference in Antimicrobial Susceptibility Among Viridans Group *Streptococci*, *Annals of Laboratory Medicine*, 35 (2) : 205-211.

- Chye, F. Y., Sim, K. Y., (2009) Antioxidative and Antibacterial Activities of *Pangium edule* Seed Extracts, *International Journal of Pharmacology*, 5 (5) : 285-297.
- Cieplik, F., Jakubovics, N. S., Buchalla, W., Maisch, T., Hellwig, E., Al-Ahmad, A., (2019) Resistance Toward Chlorhexidine in Oral Bacteria – Is There Cause for Concern?, *Frontiers in Microbiology*, 10 (587) : 1-11.
- Faikha, N., (2018) Pengaruh konsentrasi etanol sebagai cairan pengekstraksi terhadap aktivitas antibakteri dari biji pangi (*Pangium edule* Reinw.), Makassar: Skripsi Fakultas Farmasi, hal : 18-20.
- Fitrianti, T., Partasmita, R., (2020) Tanaman obat di masyarakat Desa Cintaratu, Pangandaran, Jawa Barat. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*. 6 (1): 625-635.
- Gao, I., Liu, Y., Kim, D., Li, Y., Hwang, G., Naha, P. C., Cormode, D. P., Koo, H., (2016) Nanocatalysts promote *Streptococcus mutans* biofilm matrix degradation and enhance bacterial killing to suppress dental caries *in vivo*, *Biomaterials*, 176 (3) : 1-24.
- Ge, X., Kitten, T., Chen, Z., Lee, S. P., Munro, C. L., Xu, P., (2008) Identification of *Streptococcus sanguinis* Genes Required for Biofilm Formation and Examination of Their Role in Endocarditis Virulence, *American Society for Microbiology*, 76 (6) : 2551–2559.
- Gurenlian, J. R., (2007) The Role of Dental Plaque Biofilm in Oral Health, *Journal of Dental Hygiene*, 81 (5) : 1-11.
- Hall, C.W., Mah, T.F., (2017) Molecular mechanism of biofilm-based antibiotic resistance and tolerance in pathogenic bacteria, *FEMS Microbiology Reviews*, 41(3): 279.
- Hamzah, H., Siregar, K. A. A. K., Suffiana, Y., Yudhawan, I., Nurwijayanto, A., (2022) Antibacterial and antibiofilm activity of *Begonia multangula* Blume. leaf extract against *Candida albicans*, *Food Research*, 6 (1) : 260-268.
- Harjanti, D. W., Ciptaningtyas, R., Setiatin, F. W., (2018) Isolation and identification of bacterial pathogen from mastitis milk in Central Java Indonesia, *IOP Conference Series: Earth and Environmental Science*, 102 (1) : 1-6.
- Hornizky, M., (2003) Fatty acids an alternative control strategy for honeybee diseases. *Rural Industries Research and Development Corporation*. 3(1): 1.
- Huang, R., Li, M., Gregory, R. L., (2011) Bacterial Interactions in Dental Biofilm, *Landes Bioscience*, 2 (5) : 435-444.
- Hung, T. H., Ye, D. Q., Lai, C. H., (2016) Comparison of the adhesion of *Streptococcus sanguinis* to commonly used dental alloys stratified by gold content, *Journal of Dental Sciences*, 11 : 437-442.
- Jusino-leon, G. N., Matheson, L., Forsythe, L., (2019) Chlorhexidine Gluconate Baths, *Clinical Journal of Oncology Nursing*, 23 (2) : 32-38.
- Kaczmarek, B., (2020) Tannic acid with antiviral and antibacterial activity as a promising component of biomaterials – a minireview. *Materials*. 13(3224): 2-13.

- Karpinski, T.M., Szkaradkiewicz, A.K., (2015) Chlorhexidine-pharmacobiological activity and application, *European Review for Medical and Pharmacological Sciences*, 19 (1): 1321-1326.
- Kining, E., Falah, S., Nurhidayat, N., (2016) The In Vitro activity of water leaf extract of papaya (*Carica papaya* L.) against *Pseudomonas aeruginosa*. *Current Biochemistry Journal*. 2(3) 150-163.
- Kreth, J., Merritt, J., Shi, W., Qi, F., (2005) Competition and Coexistence between *Streptococcus mutans* and *Streptococcus sanguinis* in the Dental Biofilm, *Journal of Bacteriology*, 187 (21): 7193–7203.
- Kusmarwati, A., dan Indriati, N., (2008) Daya hambat ekstrak bahan aktif biji picung (*Pangium edule* Reinw.) terhadap pertumbuhan bakteri penghasil histamin, *Jurnal Pascapanen dan Bioteknologi Kelautan dan Perikanan*, 3 (1) : 29-35.
- Lahiri, D., Dash, S., Dutta, R., Nag, M. (2019) Elucidating the effect of antibiofilm activity of bioactive compounds extracted from plants. *Journal of Biosciences*. 44(2): 1-5.
- Larsen, T., Fiehn, N., (2017) Dental biofilm infections – an update, *Acta Pathologica, Microbiologica, et Immunologica Scandinavica*, 125(4):376-384.
- Makagansa, C., Mamuaja, C.F., Mandey, L.C., (2015) Kajian Aktivitas Antibakteri Ekstrak Biji Pangi (*Pangium edule* Reinw.) terhadap *Staphylococcus aureus*, *Bacillus cereus*, *Pseudomonas aeruginosa*, dan *Escherichia coli* secara *in vitro*, *Jurnal Ilmu dan Teknologi Pangan*, 3 (1): 16-26.
- Mamuaja, C.F., Lumoindong, F., (2017) Aktivitas Antimikroba Ekstrak Biji Kluwek (*Pangium edule*) Sebagai Bahan Pengawet Alami Bakso Ikan Tuna, *Jurnal Pengolahan Hasil Perikanan Indonesia*, 20 (3) : 593.
- Mangunwardoyo, W., Ismaini, L., dan Heruwati, E. S., (2008) Analisis Senyawa Bioaktif dari Ekstrak Bui Pucung (*Pangium edule* Reinw.) Segar, *Berita Biologi*, 9 (3) : 259-264.
- Marsh, P. D., Zaura E., (2017) Dental biofilm: ecological interactions in health and disease, *Journal of Clinical Periodontology*, 44(18) : 12-22.
- Memalik, V., George, Y. W., Rahman, A., Asman, A., (2019) Antifungal Activities of *Pangium edule* Reinw Seed Extracts Inhibit the Growth of *Aspergillus flavus*, Producer of Aflatoxins, through the *In Vitro* Test, *International Journal of Pharmaceutical Sciences and Research*, 10 (6) : 2718-2722.
- Nawir, M., Taskirawati, I., Baharuddin, B., (2017) Pemanfaatan Tanaman Pangi (*Pangium Edule* Reinw) pada Lahan Agroforestri Desa Watu Toa Kecamatan Marioriwawo Kabupaten Soppeng, *Jurnal Hutan dan Masyarakat*, 9 (2) : 123-130.
- Nalina, T., Rahim, Z.H.A., (2007) The crude aqueous extraxt of *Piper betle* L. and its antibacterial effect towards *Streptococcus mutans*. *American Journal of Biotechnology and Biochemistry*. 3(1): 10-15.
- Nasution, M., Simatupang, Y., Dennis, D., (2020) Effectiveness of Star Fruit Leaf Extract on the Growth of *Streptococcus Sanguinis*: An *In Vitro* Study, *World Journal of Dentistry*, 11(3) : 196-200.

- Othman, L., Sleiman, A., Abdel-Massih, R.M., Antimicrobial activity of polyphenols and alkaloids in Middle Eastern plants. *Frontiers in Microbiology*. 10(911): 1-28.
- Peres, M. A., Macpherson, L. M. D., Weyant, R. J., Daly, B., Venturelli, R., Mathur, M. R., Listl, S., Celeste, R. K., Guarnizo-Herreño, C. C., Kearns, C., Benzian, H., Allison, P., Watt, R. G., (2019), Oral Diseases : A Global Public Health Challenge, *The Lancet*, 394 (10194) : 249-260.
- Saini, R., Saini, S., Sharma, S., (2016) Biofilm: A dental microbial infection, 71 *Journal of Natural Science, Biology and Medicine*, 2 (1) : 71-75.
- Samudry, E. G., Sukainah, A., Mustarin, A., (2017) Analisis Kualitas Kluwek (*Pangium edule* Reinw) Hasil Fermentasi Menggunakan Media Tanah dan Abu Sekam, *Jurnal Pendidikan Teknologi Pertanian*, 3 (1) : 25-33.
- Santi, S. S., Casarin, M., Grellmann, A. P., Chambrone, L., Zanatta, F. B., (2019) Effect of herbal mouthrinses on dental plaque formation and gingival inflammation: A systematic review, *Oral Diseases*, 27 (2) : 1-15.
- Sari, R., Suharti, (2015) Pangi (*Pangium edule* REINW.) sebagai Tanaman Serbaguna dan Sumber Pangan, *Buletin Eboni*, 12 (1) : 23-37.
- Soares, G. M. S., Figueiredo, L. C., Faveri, M., Cortelli, S. C., Duarte, P. M., Feres, M., (2012) Mechanisms of Action of Systemic Antibiotics Used in Periodontal Treatment and Mechanisms of Bacterial Resistance to These Drugs, *Journal of Applied Oral Science*, 20 (3) : 295-309.
- Sreenivasan, P. K., Prasad, K. V. V., (2020) Effects of a chlorhexidine mouthwash on clinical parameters of gingivitis, dental plaque and oral polymorphonuclear leukocytes (PMN), *Contemporary Clinical Trials Communications*, 19 : 2-7.
- Sumioka, R., Nakata, M., Okahashi, N., Li, Y., Wada, S., Yamaguchi, M., Sumitomo, T., Hayashi, M., Kawabata, S., (2017) *Streptococcus sanguinis* Induces Neutrophil Cell Death by Production of Hydrogen Peroxide, *Plos One*, 12 (2): 1-19.
- Tumilaar, S. G., Fatimawali, F., Niode, N. J., Effendi, Y., Idores, R., Adam, A. A., Rakib, A., Emran, T. B., Tallei, T. E., (2021) The Potential of Leaf Extract of *Pangium edule* Reinw as HIV-1 Protease Inhibitor: A Computational Biology Approach, *Journal of Applied Pharmaceutical Science*, 11 (1) : 101-110.
- Van der Weijden, F. A., Van der Sluis, E., Ciancio, S. G., Slot, D. E., (2015) Can Chemical Mouthwash Agents Achieve Plaque/Gingivitis Control?, *Dental Clinics of North America*, 59 (4) :799-829.
- Warnasih, S., dan Hasanah, U., (2018) Phytochemical Characterization and Tannin Stability Test from Kluwek, *Journal of Science Innovare*, 1 (2) : 44-49.
- Yuningsih, R., Damayanti., Murdiati, Darmono, (2004) *Laporan Hasil Penelitian APBN 2004*. Bogor: Balai Penelitian Veteriner.
- Zhu, B., Macleod, L. C., Kitten, T., Xu, P., (2018) *Streptococcus sanguinis* Biofilm Formation & Interaction with Oral Pathogens, *Future Microbiology*, 13 (8): 915-932.