

DAFTAR PUSTAKA

- Alves, S., Duarte, A., Sousa, S., dan Domingues, F.C., (2016) Study of the Major Essential Oil Compounds of *Coriandrum sativum* Against *Acinetobacter baumannii* and The Effect of Linalool on Adhesion, Biofilms and Quorum Sensing. *Biofouling*. 32(2):155-65.
- Amaliah, R., Larnani, S., dan Wahyudi, I.A., (2012) Inhibition Effect of Cashew Stem Bark Extract (*Anacardium Occidentale* L.) on Biofilm Formation of *Streptococcus sanguinis*. *Dental Journal (Majalah Kedokteran Gigi)*. 45(4):212–216.
- Ardiana, D., Martha, P.W., Teuku, N.S., dan Puji, A., (2013) Mouthwash Formulation of Basil Oil and in Vitro Antibacterial and Antibiofilm Activities Against *Streptococcus mutans*. *Traditional Medicine Journal*. 18(2): 2013.
- Aspriyanti, S.E., (2017) Pengaruh Ekstrak Etanol Biji Ketumbar (*Coriandrum sativum*) Fraksi Etil Asetat terhadap Pembentukan Massa Biofilm Bakteri *Streptococcus mutans* (Kajian *In Vitro*). Disertasi. Yogyakarta
- Bjarnsholt, T., Moser, C., Jensen, P.O., dan Hoiby, N., (2011) *Biofilm Infection*. Ed. 1. Springer: New York. hlm. 1-5.
- Brookes, Z.L.S., Bescos, R., Belfield, L.A., Ali, K., Roberts, A., (2020) Current Uses of Chlorhexidine for Management of Oral Disease: A Narrative Review. *Journal of Dentistry*. 103:103497.
- Costerton, J.W., (1999) Introduction to Biofilm. *International Journal of Antimicrobial Agents*. 11(1999): 217-221.
- Cushnie, T.P.T, dan Lamb, A.J., (2005) Detetction of Galangin-induced Cytoplasmic Membrane Damage in *Staphylococcus aureus* by Measuring Potassium Loss. *Journal of Ethnopharmacology*. 101(2005): 243-248.
- Dewi, I.G.A.A.A.K., Sukrama, I.D.M., dan Sidiartha, I.G.A.F.N., (2020) Ekstrak Buah Asam Jawa (*Tamarindus indica*) dibandingkan Ekstrak Buah Belimbing Wuluh (*Averrhoa bllimbi*) dalam Menghambat Pertumbuhan *Streptococcus sanguinis*. *Bali Dental Journal*. 4(1):1-7.
- Diederichsen, A., (1996) Coriander (*Coriander sativum* L.) Promoting the Conservation and Use of Underutilized and Neglected Crops. Institute of Plant Genetic Resources: Rome. hlm. 8-20.
- Duarte, A.F., Ferreira, S., Oliveira, R., dan Domingues, F.C., (2013) Effect on Coriander Oil Cells of *Acinetobacter baumannii*. *Natural Product Communications*. 8(5): 673-678.
- Dwipriastuti, D., Putranto, R.R., dan Anggarani, W., (2017) Perbedaan Efektivitas *Chlorhexidine* Glukonat 0,2% dengan Teh Hijau (*Camellia sinensis*) terhadap Jumlah *Prophyromonas Gingivalis*. *ODONTO Dental Journal*. 4(1): 50-54.
- Fatmawati, D.W.A., (2011) Hubungan Biofilm *Streptococcus mutans* Terhadap Resiko Terjadinya Karies Gigi, *Stomatognatic (Jurnal Kedokteran Gigi Unej)*. 8(3):127-130.
- Fachon-Kalweit, S., Elder, B.L., dan Fives-Taylor, P., (1985) Antibodies that bind to fimbriae block adhesion of *Streptococcus sanguis* to saliva-coated

- hydroxyapatite. *Infection and Immunity Journal*. 48(3): 617-624.
- Gillespie, S.H., dan Hawkey, P.M., (2006) *Principles and Practice of Clinical Bacteriology*. Ed. 2. Wiley: Chichester. hlm. 28.
- Hermawan, I., (2016) Daya Saing Rempah Indonesia di Pasar ASEAN Periode Pra dan Pasca Krisis Ekonomi Global. *Buletin Ilmiah Litbang Perdagangan*. 9(2):153-178.
- Jafer, M., Hosmani, J., Patil, S., dan Bhandi, S.H., (2016) Chemical Plaque Control Strategies in the Prevention of Biofilm-associated Oral Diseases. *The Journal of Contemporary Dental Practice*. 17(4):337-343.
- Jamal, M., Ahmad, W., Andleeb, S., Jalil, F., Imran, M., Nawaz, M.A., Hussain, T., Ali, M., Rafiq, M., dan Kamil, M.A., (2018) Bacterial Biofilm and Associate. *Journal of the Chinese Medical Association*. 81(2018):7-11.
- Kaligis, F.R., Fatmawati, Lolo, W.A., (2017) Identifikasi Bakteri Pada Plak Gigi Pasien di Puskesmas Bahu dan Uji Resistensi Terhadap Antibiotik Kloramfenikol dan Linkosamida (Klindamisin). *Jurnal Ilmiah Farmasi*. 6(3): 223-232.
- Kanaparthi, A. (2012) Biofilms: The Unforgiving Film in Dentistry (Clinical Endodontic Biofilms). *Dentistry Journal*. 21(2): 204-207.
- Kaplan, J.B., (2010) Biofilm Dispersal: Mechanisms, Clinical Implications, and Potential Therapeutic Uses. *Journal of Dental Research*. 89(3): 205-218.
- Kining, E., Falah, S., dan Nurhidayat, N., (2016) The In Vitro Antibiofilm Activity of Water Leaf Extract of Papaya (*Carica papaya* L.) against *Pseudomonas aeruginosa*. *Current Biochemistry*. 2(3):150-163.
- Lahiri, D., Nag, M., Dutta, B., Dey, S., Mukherjee, D., Joshi, S.J., dan Rayi, R.R., Antibiofilm and Anti-Quorum Sensing Activities of Eugenol and Linalool From *Ocimum tenuiflorum* against *Pseudomonas aeruginosa* Biofilm. *Journal of Applied Microbiology*. 131(6):2821-2837.
- Lakhdar, M., The Biological Activities of Flavonoid and Plant Cell Wall Polysaccharides: A Minireview. *Advances in Biology & Earth Sciences*. 5(2): 69-75.
- Lingga, A.R., Pato, U., dan Rossi, E., (2015) Uji Antibakteri Ekstrak Batang Kecombrang (*Nicola speciosa* Horan) terhadap *Staphylococcus aureus* dan *Escherichia coli*. *JOM Faperta Universitas Riau*. 2(2): 1-15.
- Lolongan, R. A., Waworuntu, O., dan Mintjelungan, C.N., (2016) Uji Konsentrasi Hambat Minimum (KHM) Ekstrak Daun Pacar Air (*Impatiens balsamina* L.) terhadap Pertumbuhan *Streptococcus mutans*. *Jurnal e-Gigi*. 4(2): 242 – 247.
- Madhavan, M., dan Tharakan, S.T., (2017) Study on Phytochemical, Total Phenols, Antioxidant, Anthelmintic Activity of Hot Water Extracts of *Coriandrum Sativum* Seeds. *World Journal of Pharmacy and Pharmaceutical Sciences*. 6(8):2519-2527.
- Martini, A.M., Moricz, B.S., Ripperger, A.K., Tran. P.M., Sharp, M.E., Forsythe, A.N., Kuhankova, K., Pabon, W.S., dan Jones, B.D., (2020) Association of Novel *Streptococcus sanguinis* Virulence Factors with Pathogenesis in a Native Valve Infective Endocarditis Model. *Frontiers in Microbiology*. 11(10): 2-15.

- Mervrayano, J., Rahmatini, dan Bahar, E., (2015) Perbandingan Efektivitas Obat Kumur yang Mengandung *Chlorhexidine* dengan Povidone Iodine terhadap *Streptococcus mutans*. *Jurnal Kesehatan Fakultas Kedokteran Universitas Andalas*. 4(1): 168-171.
- Msaada, K., Jjemia, M.B., Salem, N., Bachrouch, O., Sriti, J., Tammar, S., Bettaieb, I., Jabri, I., Kefi, S., Limam, F., dan Marzouk, B., (2017) Antioxidant Activity of Methanolic Extracts from Three Coriander (*Coriandrum Sativum* L.) Fruit Varieties. *Arabian Journal of Chemistry*. 10: S3176-S3183.
- Muthusamy, B. dan Shanmugam, G., (2020) Analysis of Flavonoid Content, Antioxidant, Antimicrobial and Antibiofilm Activity of in Vitro Hairy Root Extract of Radish (*Raphanus sativus* L.). *Plant Cell, Tissue and Organ Culture*. 140:6019-6033.
- Okahashi, N., Nakata, M., Terao, Y., Isoda, R., Sakurai, A., Sumitomo, T., Yamaguchi, M., Kimura, R.K., Oiki, E., Kawabata, S., dan Ooshima, T., (2011) Pili of Oral *Streptococcus sanguinis* Bind to Salivary Amylase and Promote the Biofilm Formation. *Microbial Pathogenesis*. 20(2011): 148-154.
- Pawar, V.A., Bhagat, T. B., Toshniwal, M.R., Mokashi, N.D., dan Khandelwal, K.R., (2013) Formulation and Evaluation of Dental Gel Containing Essential Oil of Coriander Against Oral Pathogens. *International Research Journal Pharmacy*. 4(10): 48-54.
- Penda, P.A.C., Kaligis, S.H.M., dan Juliatri, (2015) Perbedaan Indeks Plak Sebelum dan Sesudah Pengunyahan Buah Apel. *Journal e-GiGi*. 3(2): 380-386.
- Purbowati, R., (2018) Hubungan Biofilm dengan Infeksi: Implikasi pada Kesehatan Masyarakat dan Strategi Mengontrolnya. *Jurnal Ilmiah Kedokteran Wijaya Kusuma*. 5(1):1-14.
- Putri D.K.T., Kriswandini I.L., dan Luthfi, M., (2016) Characterization of *Streptococcus sanguis* Molecular Receptors for *Streptococcus mutans* Binding Molecules. *Dental Journal*. 49(4): 213–216.
- Rabin, N., Zheng, Y., Opoku-Temeng, C., Du, Y., Bonsu, E., dan Sintim, H.O., (2015) Biofilm Formation Mechanisms and Targets for Eveloping Antibiofilm Agents. *Future Medicinal Chemistry*. 7(4):493-512.
- Riemann, H.P. dan Cliver, D.O., (2006) *Foodborne Infections and Intoxications*. Ed.3. Elsevier: New York.
- Shen, Y., Stojicic, S., dan Haapasalo, M., (2011) Antimicrobial Efficacy of Chlorhexidine against Bacteria in Biofilms at Different Stages of Development. *Journal of Endodontic*. 37(5): 657-661.
- Silva, F., dan Domingues, F.C., (2017) Antimicrobial Activity of Coriander Oil and Its Effectiveness as Food Preservative. *Critical Reviews in Food Science and Nutrition*. 57(1): 35-47.
- Silvia, E.A., Nur, A., dan Puspita, R.M., (2017) Pengaruh Ekstrak Biji Ketumbar (*Coriandrum sativum*) Fraksi Etil Asetat terhadap Pembentukan Massa Biofilm Bakteri *Streptococcus mutans* (Kajian in Vitro). Yogyakarta: Skripsi FKG UGM.

- Slobodnikova, L., Fialova, S., Hupkova, H., dan Grancai, D., (2013) Rosmarinic Acid Interaction with Planktonic and Biofilm *Staphylococcus aureus*. *Natural Product Communications*. 8(12): 1747-1750.
- Senpuku, H., Tuna, E.B., Nagasawa, R., Nakao, R., dan Ohnishi, M., (2019) The Inhibitory Effects of Polypyrrole on the Biofilm Formation of *Streptococcus mutans*. *PLoS ONE*. 14(11): 1-18.
- Suhirman, S., and Yuhono, J.T., (2002) Penyulingan dan Kemungkinan Pengembangan Ketumbar (*Coriandrum sativum* Linn) di Indonesia, *Balai Penelitian Tanaman Obat dan Aromatik*, hlm. 48-62.
- Tahirah, I.M., (2015), *Efektifitas Ekstrak Biji Ketumbar 3% sebagai Obat Kumur Akumulasi Plak Pada Mahasiswa Fakultas Kedokteran Universitas Sumatera Utara*. Medan: Skripsi FKG Universitas Sumatera Utara.
- Toyofuku, M., Inaba, T., Kiyokawa, T., Obana, N., Yawata, Y., dan Nomura, N., (2015) Environmental Factors that Shape Biofilm Formation. *Bioscience, Biotechnology, and Biochemistry*. 80(1): 7-12.
- Utami, D. T., Pratiwi, S. U. T., Haniastuti, T. dan Hertiani, (2021), Eugenol and Thymol as Potential Inhibitors For Polymicrobial Oral Biofilm: An In Vitro Study. *Journal of International Oral Health*. 13(1): 45-52.
- Vaseduvan, R., (2014) Biofilms: Microbial Cities of Scientific Significance. *Journal of Microbiology & Experimentation*. 1(3):84-98.
- Veerachamy, S., Yarlagadda, T., Manivasagam, G. and Yarlagadda, P.K., (2014) Review Article: Bacterial Adherence and Biofilm Formation on Medical Implants: A. *Proc IMechE Part H: Journal of Engineering in Medicine*. 228(10):1083-99.
- Wibawan, I.W.T, Laemmler, C., dan Pasaribu, F.H., (1992) Role of Hydrophobic Surface Proteins in Mediating Adherence of Grup B *Streptococci* to Epithelial Cells. *Journal Gen. Microbiology*. 138: 1237-1242.
- Wilson, P., (2017) *Efektivitas Daya Hambat Ekstrak Biji Ketumbar (Coriandrum sativum) Terhadap Pertumbuhan Bakteri Streptococcus sanguinis*. Makassar: Skripsi Fakultas Kedokteran Gigi. hlm. 32.
- Zardini, H.Z., Tolueinia, B., Momeni, Z., Hasani Z., dan Hasani, M., (2012) Analysis of Antibacterial and Antifungal Activity of Crude Extracts from Seeds of *Coriandrum Sativum*. *Gomal Journal of Medical Science*. 10(2): 167-171.
- Zhu, B., Macleod, L.C., Kitten, T., dan Xu, P., (2018) *Streptococcus sanguinis* Biofilm Formation & Interaction with Oral Pathogens. *Future Microbiology*. 13(8):915-932.