

## DAFTAR PUSTAKA

- 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*, *Dent. J. (Majalah Kedokteran Gigi)*, 45(4):212-216.
- Anonim, 2016, *Streptococcus sanguinis* (ATCC® 10556™), <https://www.atcc.org/products/all/10556.aspx>, (03/04/2018).
- Anwar, F., Latif, S., Ashraf, M., dan Gilani, A.H., 2007, *Moringa oleifera*: A Food Plant with Multiple Medicinal Uses, *Phytother. Res.*, 21:17-25.
- Bergquist, S.A.M., Gertsson, U.E., Knuthsen, P., dan Olsson, M.E., 2005, Flavonoids Baby Spinach (*Spinacia oleracea* L.): Changes during Plant Growth and Storage, *J. Agric. Food Chem.*, 53:9459-9464.
- Bowen, W.H. dan Koo, H., 2011, Biology of *Streptococcus mutans*-Derived Glucosyltransferases: Role in Extracellular Matrix Formation of Cariogenic Biofilms, *Caries Res.*, 45(1):69-86.
- Budin, G., Chung, H.J., Lee, H., Weissleder, R., 2012, A Magnetic Gram Stain for Bacterial Detection, *A Journal of the Gesellschaft Deutscher Chemiker*, 51(31):7752-7755.
- Chowdhury, M.R.H., Bhuiyan, M.I.K., Saha, A., Mosleh, I.MHAI., Mondol, S., dan Ahmed, C.M.S., 2014, Identification and Analysis of Potential Targets in *Streptococcus sanguinis* Using Computer Aided Protein Data Analysis, *Adv. Appl.Bioinform.Chem.*, 7:45-54.
- Dahlan, M.S., 2015, *Statistik untuk Kedokteran dan Kesehatan: Deskriptif, Bivariat, dan Multivariat, Dilengkapi Aplikasi dengan Menggunakan SPSS*, 6<sup>th</sup> ed., Salemba Medika, Jakarta, 83,89-92.
- Dima, L.L.R.H., Fatimawali, dan Lolo, W.A., 2016, Uji Aktivitas Antibakteri Ekstrak Daun Kelor (*Moringa oleifera* L.) terhadap Bakteri *Escherichia coli* dan *Staphylococcus aureus*, *JIF*, 5(2):2302-2493.
- Donlan, R.M. dan Costerton, J.W., 2002, Biofilms: Survival Mechanisms of Clinically Relevant Microorganism, *Clin. Microb. Rev.*, 15(2):167-193.
- Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K-H., Stackebrandt, E., 2006, *The Prokaryotes*, 3<sup>rd</sup> ed., Springer, New York, 78-80.
- Eley, B.M. dan Manson, J.D., 2004, *Periodontics*, 5<sup>th</sup> ed., Elsevier, New York, 22-23.
- Estela, C.R.L. dan Alejandro, P.R., 2012, *Biofilms: A Survival and Resistance Mechanism of Microorganisms*, in Pana, M. (ed): *Antibiotic Resistance*

*Bacteria A Continuous Challenge in The New Millennium*, InTech, Rijeka, 160-161.

Fatmawati, D.W.A., 2011, Hubungan Biofilm *Streptococcus mutans* terhadap Resiko Terjadinya Karies Gigi, *Stomatognatic*, 8(3):127-130.

Garg, N. dan Garg, A., 2015, *Textbook of Operative Dentistry*, 3<sup>rd</sup> ed., Jaypee Brothers Medical Publisher, New Delhi, 44.

Held, T.K., Adamczik, C., Trautmann, M., dan Cross, A.S., 1995, Effects of MICs and Sub-MICs of Antibiotics on Production of Capsular Polysaccharide of *Klebsiella pneumonia*, *Antimicrob. Agents and Chemother.*, 39(5):1093-1096.

He, J., Wang, S., Wu, T., Cao, Y., Xu, X., dan Zhou, X., 2013, Effects of Ginkgoneolic Acid on the Growth, Acidogenicity, Adherence, and Biofilm of *Streptococcus mutans* in vitro, *Folia Microbiol.*, 58(2):147-153.

Henson, B.S. dan Wong, D.T., 2010, Collection, Storage, and Processing of Saliva Samples for Downstream Molecular Applications, *Methods Mol. Biol.*, 666:21-30.

Homenta, H., 2016, Infeksi Biofilm Bakterial, *Jurnal e-Biomedik (eBm)*, 4(1):1-11.

Ikalinus, R., Widyastuti, S.R., dan Setiasih, N.L.E., 2015, Skrining Fitokimia Ekstrak Etanol Kulit Batang Kelor (*Moringa oleifera*), *Indonesia Medicus Veterinus*, 4(1):71-79.

Ismarani, 2012, Potensi Senyawa Tanin dalam Menunjang Produksi Ramah Lingkungan, *CEFARS*, 3(2):46-55.

Jonni, M.S., Sitorus, M., dan Katharina, N., 2008, *Cegah Malnutrisi dengan Kelor*, Kanisius, Yogyakarta, 11

Keller, L. dan Surette, M.G., 2006, Communication in Bacteria: An Ecological and Evolutionary Perspective, *Nat. Rev. Microbiol.*, 4:249-258.

Kementrian Kesehatan Republik Indonesia, 2013, *Riset Kesehatan Dasar (RISKESDAS 2013)*, Jakarta, 113, 118.

Kidd, E.A.M. dan Joyston-Bechal, S., 2013, *Dasar-Dasar Karies: Penyakit dan Penanggulangan*, EGC, Jakarta, 2-3.

Kokare, C.R., Chakraborty, S., Khopade, A.N., dan Mahadik, K.R., 2009, Biofilm: Importance and Applications, *Indian J. Biotechnol.*, 8(1):159-168.

Koo, H., Rosalen, P.L., Cury, J.A., Park, Y.K., dan Bowen, W.H., 2002, Effects of Compounds Found in Propolis on *Streptococcus mutans* Growth and on Glucosyltransferase Activity, *Antimicrob. Agents and Chemother.*, 46(5):1302-1309.

- Lien, H.M., Tseng, C.J., Huang, C.L., Lin, Y.T., Chen, C.C., dan Lai, Y.Y., 2014, Antimicrobial Activity of *Antrodia camphorate* Extracts Against Oral Bacteria, *PloS One*, 9(8):1-7.
- Lin, C.M., Preston, J.F., Wei, C.I., 2000, Antibacterial Mechanism of Allyl Isothiocyanate, *Journal of Food Protection*, 63(6):727-734.
- Loresta, S., Murwani, S., dan Trisunuwati, P., 2012, Efek Ekstrak Etanol Daun Kelor (*Moringa oleifera*) terhadap Pembentukan Biofilm *Staphylococcus aureus* Secara In Vitro, *Student Journal*, 1(4):1-8.
- Mahendra, P.K.W., Supartinah, Al., Soeprihati, I.T., Rantinah, S.B.S., Lukito, E., Utomo, R.B., dan Kuswandari, S., 2012, Faktor Risiko Terjadinya Karies Baru dengan Pendekatan Kariogram pada Pasien Anak di Klinik Kedokteran Gigi Anak RSGMP Prof.Soedomo Yogyakarta, *Majalah Kedokteran Gigi*, 19(2):107-109.
- Mailoa, M.N., Mahendradatta, M., Laga, A., dan Djide, N., 2014, Antimicrobial Activities of Tannins Extract from Guava Leaves (*Psidium Guajava* L.) on Pathogens Microbial, *IJSTR*, 3(1):236-241.
- Miletis, I. dan Baraba, A., 2011, Aetiological Factors for Susceptibility: the Location (Number, Location, Activity) and the Plaque (Identification Tools, Scoring), *JMID*, 4(2):13-16.
- Monroe, D., 2007, Looking for Chinks in the Armor of Bacterial Biofilms, *PLoS Biol.*, 5(11): 2458-2461.
- Nakajima, T., Nakanishi, S., Mason, C., Montgomery, J., Leggett, P., Matsuda, M., Coulter, W.A., Millar, B.C., Goldsmith, C.E., dan Moore, J.E., 2013, Population Structure and Characterization of Viridans Group *Streptococci* (VGS) Isolated from The Upper Respiratory Tract of Patients in The Community, *Ulster Med. J.*, 82(3):164-168.
- Nostro, A., Cannatelli, M.A., Crisafi, G., Musolino, A.D., Procopio, F., dan Alonzo, V., 2004, Modifications of Hydrophobicity, in Vitro Adherence and Cellular Aggregation of *Streptococcus mutans* by *Helichrysum italicum* Extract, *Letters in Applied Microbiology*, 38:423-427.
- Nugraha, A., 2013, Bioaktivitas Ekstrak Daun Kelor (*Moringa oleifera*) terhadap *Escherichia coli* Penyebab Kolibasilosis pada Babi, *Tesis*, Fakultas Kedokteran Hewan Universitas Udayana, Denpasar, 40,44.
- Nur, K.A. dan Sarmoko, 2014, Kelor (*Moringa oleifera* L.), [http://ccrc.farmasi.ugm.ac.id/?page\\_id=2363](http://ccrc.farmasi.ugm.ac.id/?page_id=2363), (20/10/2017).
- Oh, S., 2010, *Streptococcus sanguinis*, [https://microbewiki.kenyon.edu/index.php/Streptococcus\\_sanguinis](https://microbewiki.kenyon.edu/index.php/Streptococcus_sanguinis), (20/10/2017).

- 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*, 50:148-154.
- Pandey, A., Pandey, R.D., Tripathi, P., Gupta, P.P., Haider, J., Bhatt, S., dan Singh, A.V., 2012, *Moringa oleifera* Lam. (Sahijan) - A Plant with a Plethora of Diverse Therapeutic Benefits: An Updated Retrospection, *Medicinal Aromatic Plants*, 1(1):1-8.
- Pöllänen, M.T., Paino, A., dan Ihalin, R., 2013, Environmental Stimuli Shape Biofilm Formation and the Virulence of Periodontal Pathogens, *IJMS*, 14(8):17221-17237.
- Purbowati, R., 2016, Hubungan Biofilm dengan Infeksi: Implikasi pada Kesehatan Masyarakat dan Strategi Mengontrolnya, *JIK*, 5(1):1-14.
- Putra, I.W.D.P., Dharmayudha, A.A.G.O., dan Sudimartini, L.M., 2016, Identifikasi Senyawa Kimia Ekstrak Etanol Daun Kelor (*Moringa oleifera* L) di Bali, *IMV*, 5(5):464-473.
- Putri, M.H., Herijulianti, E., dan Nurjannah, N., 2012, *Ilmu Pencegahan Penyakit Jaringan Keras dan Jaringan Pendukung Gigi*, EGC, Jakarta, 57.
- Quave, C.L., Plano, L.R.W., Pantuso, T., dan Bennett, B.C., 2008, Effects of Extracts from Italian Medicinal Plants on Planktonic Growth, Biofilm Formation and Adherence of Methicillin-Resistant *Staphylococcus aureus*, *J. Ethnopharmacol.*, 118(3):418-428.
- Ramayanti, S. dan Purnakarya, I., 2013, Peran Makanan terhadap Kejadian Karies Gigi, *JKM*, 7(2):89-93.
- Raner, E., Lindqvist, L., Johansson, S., Hassan, H., Carlen, A., Suksu-art, N., dan Dahlen, G., 2014, pH and Bacterial Profile of Dental Plaque in Children and Adults of a Low Caries Population, *Anaerobe.*, 27:64-70.
- Razak, F.A. dan Rahim, Z.H.A., 2003, The Anti-Adherence Effect of *Pippier betle* and *Psidium guajava* Extracts on The Adhesion of Early Settlers in Dental Plaque to Saliva-Coated Glass Surface, *J. Oral Sci.*, 45(4):201-206.
- Setiabudi, R., 2003, Pengantar Antimikroba dalam Sulistia, G.G (ed.): *Farmakologi dan Terapi*, Gaya Baru, Jakarta, 572-573.
- Stepanovic, S., Vukovic, D., Dakic, I., Savic, B., Svabic-Vlahovic, M., 2000, A Modified Microtiter-plate Test for Quantification of Staphylococcal Biofilm Formation, *J. Microbiol. Methods.*, 40:175-179.
- Susanto, L.R.D., Nuryanti, A., dan Wahyudi, I.A., 2011, Efek Minyak Atsiri Daun Kemangi (*Ocimum basilicum* L.) sebagai Agen Penghambat Pembentukan Biofilm *Streptococcus mutans*, *IDJ*, 2(1):38-44.

- Swoboda, J.G., Campbell, J., Meredith, T.C., Walker, S., 2010, Wall Teichoic Acid Function, Biosynthesis, and Inhibition, *Chembiochem*, 11(1):35-45.
- Tarigan, R., 2014, *Karies Gigi*, 2<sup>nd</sup> ed., EGC, Jakarta, 59.
- Tjahja, I.N. dan Ghani, L., 2010, Status Kesehatan Gigi dan Mulut Ditinjau Dari Faktor Individu Pengunjung Puskesmas DKI Jakarta Tahun 2007, *Buletin Penelitian Kesehatan*, 38(2):52-66.
- Turner, L. S., Kanamoto, T., Unoki, T., Munro, C.L., Wu, H., dan Kitten, T., 2009, Comprehensive Evaluation of *Streptococcus sanguinis* Cell Wall-Anchored Proteins in Early Infective Endocarditis, *Infect. Immun.*, 77(11):4966-4975.
- Ulyah, H., Ulfa, E.U., dan Puspitasari, E., 2015, Uji Aktivitas Antibakteri dan Antibiofilm Minyak Atsiri Rimpang Bengle (*Zingiber purpureum* Roscoe) terhadap Bakteri *Staphylococcus epidermidis*, *e-Jurnal Pustaka Kesehatan*, 3(2):267-271.
- Vinoth, B., Manivasagaperumal, R., dan Balamurugan, S., 2012, Phytochemical Analysis and Antibacteria Activity of *Moringa oleifera* L., *Int. J. Res Biol. Sci.*, 2(3):98-102.
- Warner, R.M., 2013, *Applied Statistic: From Bivariate Through Multivariate Techniques*, 2<sup>nd</sup> ed., SAGE, California, 24.
- Widowati, I., Efiyati, S., dan Wahyuningtyas, S., 2014, Uji Aktivitas Antibakteri Ekstrak Daun Kelor (*Moringa oleifera*) terhadap Bakteri Pembusukan Ikan Segar (*Pseudomonas aeruginosa*), *Pelita*, 9(1):146-157.
- Wiradona, I., Mardiaty, E., dan Sariyem, 2015, The Effect of Leaf Extract Salam (*Eugenia polyantha* Wight) on The Dental Plaque Formation, *Jurnal Riset Kesehatan*, 4(2):768-772.
- Yamaguchi, M., Terao, Y., Ogawa, T., Takahashi, T., Hamada, S., dan Kawabata, S., 2006, Role of *Streptococcus sanguinis* Sortase A in Bacterial Colonization, *Microbes and Infection*, 8:282-289.
- Yeh, C.Y., Chen, J.Y., dan Chia, J.S., 2006, Glucosyltransferase of Viridans Group *Streptococci* Modulate Interleukin-6 and Adhesion Molecule Expression in Endothelial Cells and Augment Monocytic Cell Adherence, *Infect. Immun.*, 72(2):1273-1283.
- Yoshida, Y., Konno, H., Nagono, K., Abiko, Y., Nakamura, Y., Tanaka, Y., dan Yoshimura, F., 2014, The Influence of a Glucosyltransferase, Encoded by *gtfP*, in Biofilm Formation by *Streptococcus sanguinis* in a Dual-Species Model, *APMIS*, 122: 951-960.