

DAFTAR PUSTAKA

- Abdel-Aziz, A.M., Aeron, A., 2014, Bacterial Biofilm: Dispersal and Inhibition Strategies, *SAJ Biotech.*, 1(1): 1-10.
- Ahearn, D.G., Grace, D.T., Jennings, M.J., Borazjani, R.N., Boles, K.J., Rose, L.J., Simmons, R.B., dan Ahanotu, E.N., 2000, Effects of Hydrogel/Silver Coating on in vitro Adhesion to Catheters of Bacteria Associated with Urinary Tract Infections, *Curr. Microbiol.*, 4(2): 120-5.
- Aisha, A.F.A., Abu-Salah, K.M., Alrokayan, S.A., Ismail, Z., dan Majid, A.M.S.A., 2012, Evaluation of Antiangiogenic and Antioxidant Properties of *Parkia speciosa* Hassk extract, *J. Pharm. Sci.*, 25(1), 7-14.
- Baenhi, P.C., dan Takeuchi, Y., 2003, Anti-plaque Agents in The Prevention Biofilm Associated Oral Diseases, *Oral Disease*, 9(1): 23-9.
- Banas, J.A., Vickerman, M.M., 2003, Glucan-binding Proteins of the Oral Streptococci. *Crit. Rev. Oral Biol. Med.*, 14(2): 89-99.
- Banas, J.A., 2004, Virulence Properties of *Streptococcus mutans*, *Front Bioosci.*, 9(5): 1267-77.
- Becker, C.A., dan Van De Brick, R.C.B., 1965, *Flora of Java*, Norordhoff-Groningen, Groningen, hal. 101-8.
- Bermudez, L.E., Young, L.S., dan Inderlied, C.B., 1994, Rifabutin and Sparfloxacin but not Azithromycin Inhibit Binding of *Myobacterium avium* Complex to HT-29 Intestinal Mucosal Cells, *Antimicrob. Agents Ch.*, 38(17): 1200-2.
- Borrelli, F., dan Izzo, A.A., 2000, The Plant Kingdom as a Source of Anti-Ulcer Remedies, *Phytother. Res.*, 14(6): 581-91.
- Bosch, J.A., Veerman, E.C., Turkenberg, M., Hartog, K., Bolscher, J.G., dan Nieuw, A.V., 2003, A Rapid Solid-Phase Fluorometric Assay for Measuring Bacterial Adherence using DNA-binding stains, *J. Microbiol. Methods*, 53(2): 51-6.
- Brooks, G.F., Butel, J.S., dan Morse, S.A., 2012, *Jawetz Melnick Adelberg's Medical Microbiology*, Mc Graw Hill, USA, hal. 207-8.
- Burne, R.A., 1998, Oral Streptococci Products of Their Environment. *J. Dent. Res.*, 77(3): 445-52.

- Corbet, E.F., Tam, J.O., Zee, K.Y., Wong, M.C., Lo, E.C., Mombelli, A.W., 1997, Therapeutic Effects of Supervised Chlorhexidine Mouthrinses on Untreated Gingivitis, *Oral Dis.*, 3(1): 9-18.
- Dalimartha, S., 2007, *Atlas Tumbuhan Obat Indonesia, Jilid 3*, Puspa Swara, Jakarta, hal. 37-41.
- Donlan, R.M., dan Costerton, J.W., 2002, Biofilms: Survival Mechanisms of Clinically Relevant Microorganism, *Clin. Microbiol. Rev.*, 15(2): 167-93.
- Dutt, P., Rathore, P.K., dan Khurana D., 2014, Chlorhexidine-An Antiseptic in Periodontics, *IOSR-JDMS*, 13(9): 85-8.
- Fejerskov, O., dan Kidd, E.A.M., 2003, *Dental Caries*, Blackwell Munksgaard, Oxford, hal. 12.
- Figueiredo, N.L., Aguiar, S.R.M.M., Fale, P.L., Ascensao, L., Serralheiro, M.L.M., dan Lino, A.R.L., 2010, The Inhibitory Effect of *Plectractus barbatus* and *Plectractus ecklonii* Leaves on The Viability, Glucotransferase Activity and Biofilm Formation of *S. sobrinus* and *S. mutans*, *Food Chemistry*, 119(7): 664-8.
- Finlay, B.B., dan Falkow, S., 1997, Common Themes in Microbial Pathogenicity Revisited, *Microbiol. Mol. Biol. Rev.*, 6(3): 136-9.
- Friedman, R.J., dan An, Y.H., 2000, *Handbook of Bacterial Adhesion: Principles, Methods and Applications*, Springer Science, New York, hal. 337.
- Fuller, M.E., Streger, S.H., Rothmel, R.K., Mailloux, B.J., Hall, J.A., Onstott, T.C., Fredrickson, J.K., Balkwill, D.L., dan DeFlaun, M.F., 2000, Development a Vital Fluorescent Staining Method for Monitoring Bacterial Transport in Subsurface Environments, *Appl. Environ. Microbiol.*, 66(24): 4486-96.
- Grenier, D., 1996, Effect of Chlorhexidine on the Adherence Properties of *Porphyromonas gingivalis*, *J. Clin. Periodontol.*, 23(2): 140-2.
- Hamada, S., Koga, T., dan Ooshima, T., 1984, Virulence Factors of *Streptococcus mutans* and Dental Caries Prevention. *J. Dent. Res.*, 63: 407-411.
- Hanum, C., 2008, *Teknik Budidaya Tanaman*, Direktorat Pembinaan Sekolah Menengah Kejuruan Departemen Pendidikan Nasional, Jakarta, hal. 33-40.
- Hargraves, K.M., dan Goodis, H.E., 2002, *Seltzer and Bender's Dental Pulp*, Quintessence Books, Chicago, hal. 281-2.
- Hasan, S., Danishuddin, M., Adli, M., Singh K., Verma, P.K., dan Khan A.U., 2012, Efficacy of *E. officinalis* on the Cariogenic Properties of *Streptococcus mutans*: A Novel and Alternative Approach to Suppress Quorum-Sensing Mechanism, *PLoS ONE*, 7(7): 1-12.

- Hasim, Faridah, D.N., dan Kurniawati, D.A., 2015, Antibacterial Activity of *Parkia speciosa* Peel to *Eschericia coli* and *Staphylococcus aureus* bacteria, *J. of Chem. and Pharm. Res.*, 7(4): 239-243.
- Hennesy, T., 1973, Some Antibacterial Properties of Chlorhexidine, *J. Periodont. Res.*, 85(1): 61-7.
- Huang, R., Li, M., dan Gregory., R.L., 2011, Bacterial Interactions in Dental Biofilm, *Virulence*, 2(5): 435-44.
- Hoyo, K., Nagaoka, S., Ohshima T., dan Maeda, N., 2009, Bacterial Interactions in Dental Biofilm Development, *J. Dent. Res.*, 88(11): 982-90.
- Iio, M., Uyeda, M., Iwanani, T., dan Nakagawa, Y., 1984, Flavonoids as A Possible Preventive of Dental Caries, *Agr. and Biol. Chem.*, 48(19): 2143-5.
- Imelda, F., Faridah, D.N., dan Kusumaningrum, H.D., 2014, Bacterial Inhibition and Cell Leakage by Extract of *Polygonum minus* Huds. Leaves, *Int. Food Resc J.*, 21(2): 553-560.
- Karlina, C.Y., Ibrahim, M., dan Trimulyono, G., 2013, Aktivitas Antibakteri Ekstrak Herba Krokot (*Portulaca oleracea* L.) terhadap *Staphylococcus aureus* dan *Escherichia coli*, *Lentera Bio*, 1(1): 87-93.
- Kleinberg, I., 2002, A Mixed Ecological Approach to Understanding the Role of the Oral Bacteria in Dental Caries Causation: An Alternative to *Streptococcus mutans* and the Specific-Plaque Hypothesis, *Crit. Rev. Oral Biol. Med.*, 13(2): 108-25.
- Kolenbrader P.E., Palmer Jr., R.J., Rickard, A.H., Jakubovics, N.S., Chalmers, N.I., dan Diaz P.I., 2006, Bacterial Interactions and Successions During Plaque Development, *Periodontol.* 2000, 42(1): 47-9.
- Lamont, R.J., Burne R.A., Iantzi, M.S., dan LeBlanc, D.J., 2006, *Oral Microbiology and Immunology*, ASM Press, Washington, hal. 233-7.
- Li, J., Helmerhorst, E.J., Leone, C.W., Troxler, R.F., Yaskell, T., Haffajee, A.D., Sockransky, S.S., dan Oppenheim, F.G., 2002, Identification of Early Microbial Colonizers in Human Dental Biofilm, *J. of App. Microbio.*, 97(6): 1311-18.
- Manton, J.W., 2010, *Streptococcus mutans and You: Home Sweet Home in Your Mouth*, Microbiology Fall: New York, <http://www.freewebs.com/naguiar/> (08/10/2015).
- Marsh, P., dan Martin M.V., 1999, *Oral Microbiology*, 4th ed., Wright, Oxford, hal. 17-22, 44-50.
- Mathur, S., Mathur, T., Srivastava, R., Khatri, R., 2011, Chlorhexidine: The Gold Standard in Chemical Plaque Control, *Natio. J. Physio. Pharm. Pharmacol.*, 1(2): 45-50.

- McCourtie, J., MacFarlane, W., dan Samaranayake, L.P., 1985, Effect of Chlorhexidine Gluconate on the Adherence of *Candida* Species to Denture Acrylic, *J. Med. Microbiol.*, 20(1): 97-104.
- Merrit, J., Qi, F., Goodman, S.D., Anderson, M.H., Shi, W., 2003, Mutation of LuxS Affect Biofilm Formation in *Streptococcus mutans* UA159, *Infect. Immun.*, 71(4): 1972-79.
- Michaellek, S.M., dan Mc Ghee, J.R., 1982, *Dental Microbiology*, 4th ed., Harper & Raw Publisher, Philadelphia, hal. 680-7.
- 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, *Lett. Appl. Microbiol.*, 38(2): 423-7.
- Nurjanah, 2011, Uji Daya Antibakteri Ekstrak Etanol Daun Rambutan (*Nephelium lappaceum* L.) terhadap bakteri *Escherichia coli* dan *Staphylococcus aureus*, *Skripsi*, STIKES NWU, Ungaran, hal. 1.
- O'Toole, G., dan Kolter, R., 1998, Initiation of Biofilm Formation in *Pseudomonas fluorescens* WCS365 Proceeds via Multiple, Convergent Signaling Pathways: A Genetic Analysis, *Mol. Microbiol.*, 28(3): 449-61.
- Ofek, I., Hasty, D.L., Sharon, N., 2003, Anti-adhesion Therapy of Bacterial Disease: Prospect and Problems, *FEMS Immunol. Med. Microbiol.*, 38(2): 181-91.
- Ooshima, T., Matsumura, M., Hoshino, T., Kawabata, S., Sobue, S., Fujiwara, T., 2001, Contributions of Three Glucosyltransferases to Sucrose-Dependent Adherence of *Streptococcus mutans*, *J. Dent. Res.*, 80(7): 1672-7.
- Pagano, R.R., 2013, *Understanding Statistic in Behavioral Sciences*, 10th edition, Wadsworth Cengage Learning, California, hal. 514.
- Prabu, G.R., Gnanamani, A., dan Sadulla, S., 2006, Guaijaverin – A Plant Flavonoid as Potential Antiplatelet Agent Against *Streptococcus mutans*, *J. App. Microbio.*, 101(4): 487-95.
- Prihatman, K., 2000, *Rambutan*, Menegristek: Jakarta, <http://www.warintek.ristek.go.id/pertanian/rambutan.pdf>, (05/08/2015).
- Quave, C.L., Plano, L.R.W., Pantuso, T., dan Bennett, B.C., 2008, Effects of Extract from Italian Medicinal Plants on Planktonic Growth, Biofilm Formation and Adherence of Methicilin-Resistant *Staphylococcus aureus*, *J. Ethnophar.*, 118(3): 418-28.
- Quirynen, M., Avontroodt, P., Peeters, W., Pauwels, M., Coucke, W., van Steenberghe, D., 2001, Effect of Different Chlorhexidine for Formulations

in Mouth Rinses on de novo Plaque Formation, *J. Clin. Periodontol.*, 28(3): 1127-36.

- Raharjo, B., Retno, S.K., dan Valensia, K.M.A., 2012, Efektivitas Formulasi Sediaan Gel Antiseptik Tangan Ekstrak Daun Rambutan (*Nephelium lappaceum* L.) terhadap Bakteri *Escherichia coli* dan *Staphylococcus aureus*, *Skripsi*, Institut Pertanian Bogor, Bogor, hal. 2-3.
- Roberson, T.M., Heymann, H.O., dan Swift, E.D., 2002, *Sturdevant's Art & Science Operative Dentistry*, 4th edition, St. Louis, Mosby, hal 65–69.
- Rosan, B., Lamont, R.J., 2000, Dental Plaque Formation, *Microbes Infect.*, 2(13): 1599-607.
- Rowe, P., 2007, *Essential Statistic for Pharmaceutical Sciences*, John Willey and Sons, West Sussex, hal. 237-8.
- Ryan, K.J., dan Ray, C.G., 2010, *Sherris Medical Microbiology*, 5th ed., Mc Graw Hill Medical, New York, hal. 416.
- Samaranayake, L.P., dan Jones B.M., 2002, *Essential Microbiology for Dentistry*, 2nd ed, Churchill Livingstone, London, hal. 217-8.
- Sanchez, R., Kanarek, L., Koninkx, J., Hendriks, H., Lintermans, P., Bertels, A., Charlier, G., dan Van Driessche, E., 1993, Inhibition of Adhesion of Enterotoxigenic *Escherichia coli* Cells Expressing F17 Fimbriae to Small Intestinal Mucus and Brush-borders Membranes of Young Calves, *Microbiol. Pathog.*, 15(3): 207-19.
- Sendalamangalam, V., Antibiofouling Effect of Polyphenols on *Streptococcus* Biofilms, *Thesis*, Faculty of Engineering the University of Toledo, hal. 21.
- Sheehan, E., McKenna, J., Mulhall, K.J., Marks, P., dan McCormack, D., 2004, Adhesion of *Staphylococcus* to Orthopaedic Metals an in vivo Study, *J. Orthop. Res.*, 22(1): 39-43.
- Smith, D.J., 2002, Dental Vaccines: Prospects and Concerns, *CROBM*, 13(4): 335-9.
- Styriak, I., Demeckova, V., dan Nemcova, R., 1999, Collagen (Cn-1) Binding by Gut *Lactobacilli*, *BMTW*, 112(3): 301-4.
- Socransky, S.S., dan Haffajee, A.D., 2005, Periodontal Microbial Ecology, *Perio. 2000*, 38(1): 135-87.
- Sztajer, H., Lemme, A., Vilchez, R., Schulz, S., Geffers, R., Yip, C.Y.Y., Levesque, M., Cvitkovitch, D.G., Wagner-Dobler, I., 2008, Autoinducer-2-Regulated Genes in *Streptococcus mutans* UA159 and Global Metabolic Effect of the *luxS* Mutation, *J Bacteriol.*, 190(1): 401-15.

- Tahmourespour, A., Kermanshahi, R.K., Salehi R., dan Pero, N.G., 2010, Biofilm Formation Potential of Oral Streptococci in Related to Some Carbohydrate Substrate, *Afr. J. Microbiol. Res.*, 4(1), 1051-1056.
- Talaro, K.P., dan Chess, B., 2008, *Foundation in Microbiology*, McGraw-Hill Company, New York, hal. 206.
- Tanzer, J.M., Livingstone, J., dan Thompson A.M., 2001, The Microbiology of Primary Dental Caries in Humans, *J. Dent. Edu.*, 65(10), 1028-37.
- Tille P.M., 2014, *Bailey and Scott's Diagnostic Microbiology*, Elsevier Mosby, Missouri, hal. 247-50.
- Tjahja, I., Sintawati, F.X., dan Yovita, T.A., 2006, Gambaran Karies Gigi Permanen di Beberapa Puskesmas Kota dan Kabupaten Bandung, Sukabumi serta Bogor 2002, *Media Litbang Kesehatan XVI*, 4 (1), 26-31.
- Tunsaringkarn, T., Soogarun, S., Rungsiyothin, A., dan Palasuwan A., 2012, Inhibitory Activity of Heinz Body Induction *in vitro* Antioxidant Model and Tannin Concentration of Thai Mimosaceous Extracts, *J. Med. Plants Res.*, 6(24), 4096-101.
- Tuomola, E.M., Ouwehand, A.C., dan Salmien, S.J., 1999, The Effect of Probiotic Bacteria on The Adhesion of Pathogens to Human Intestinal Mucus, *FEMS Immunol. Med. Microbiol.*, 26(2): 137-42.
- Vesterlund, S., Palta, J., Karp, M., dan Ouwehand A.C., 2005, Measurement of Bacterial Adhesion *in vitro* Evaluation of Different Methods, *J. Microbiol. Met.*, 2(3): 110-6.
- Wadhwani, T., Desai, K., Lawani, D., Bahaley, P., Joshi, P., dan Kothari, V., 2008, Effect of Various Solvents on Bacterial Growth in Context of Determining MIC of Various Antimicrobials, *Int. J. Microbio.*, 7(1): 1-6.
- Wen, Z.T., Baker, H.V., Burne, B.A., 2006, Influence of BrpA on Critical Virulence Attributes of *Streptococcus mutans*, *J. Bacteriol.*, 188(8): 2983-92.
- Wen, Z.T., Burne, B.A., 2002, Functional Genomics Approach to Identifying Genes Required for Biofilm Development by *Streptococcus mutans*, 68(3): 1196-1203.
- Wen, Z.T., Burne, B.A., 2004, LuxS-mediated Signaling in *Streptococcus mutans* is Involved in Regulation of Acid and Oxidative Stress Tolerance and Biofilm Formation, *J. Bacteriol.*, 186(9): 2682-91.
- Wu, J., dan Xie, H., 2010, Role of Arginine Deiminase of *Streptococcus cristatus* in *Porphyromonas gingivalis* Colonization, *Antimicrob. Agents Ch.*, 54(12): 4694-98.

- Yosephine, A.D., Wulanjati, M.P., Saifullah, T.N., Astuti, P., 2013, Mouthwash Formulation of Basil Oil (*Ocimum basilicum L.*) and in vitro Antibacterial and Antibiofilm Activities Againts *Streptococcus mutans*, *Trad. Med. J.*, 18(2): 95-102.
- Yoshida, A., Ansai, T., Takehara, T., Kuramitsu, H.K., 2005, LuxS-based Signaling Affects *Streptococcus mutans* Biofilm Formation, *Appl. Environ. Microbiol.*, 71(5): 2372-80.
- Zanatta, F.B., Antoniazzi, R.P., dan Rosing, C.K., 2010, Staining and Calculus Formation After 0.12% Chlorhexidine Rinses in Plaque-free Covered Surface: A Randomized Trial, *J. Appl. Oral Sci.*, 18(3): 515-21.