

DAFTAR PUSTAKA

- Adams MR, Moss MO. 2008. *Food Microbiology*. RSC, London UK; 252-255.
- Adedapo AA, Shabi OO, Adedokun OA. 2005. Antihelminthic efficacy of the aqueous extract of Euphorbia hirta (Linn.) in Nigerian dogs. *Veterinar Archives*; 75(1): 39-47.
- Alvarez MA, Debattista NB, Pappano NB. 2008. Antimicrobial Activity and Synergism of Some Substituted Flavonoids. *Folia Microbiology*; 53(1): 23-28.
- An D, Danhorn T, Fuqua C, Parsek MR. 2006. Quorum sensing and motility mediate interactions between *Pseudomonas aeruginosa* and *Agrobacterium tumefaciens* in biofilm cocultures. *Microbiology*; 103(10): 3828–3833.
- Arrecubieta C, Asai T, Bayern M. 2006. The role of *Staphylococcus aureus* adhesions in the pathogenesis of ventricular assist device-related infections. *Journal of Infectious Diseases*; 193: 1109-1119.
- Asfara. 2013. *Mawar Tak Berduri Berbingkai Bintang dan Berakar Daun*. (<http://fhetyirmaa.wordpress.com/2013/07/02/mawar-tak-berduri-bengbingkai-bintang-dan-berakar-daun>, diakses tanggal 02 Januari 2014).
- Banat IM, et al. 2010. Microbial biosurfactants production, applications and future potential. *Applied Microbiology and Biotechnology*; 87: 427–444.
- Becker P, Hufnagle W, Peters G, Herrmann M. 2001. Detection of Differential Gene Expression in Biofilm-Forming versus Planktonic Populations of *Staphylococcus aureus* Using Micro-Representational-Difference Analysis. *Applied Microbiology and Biotechnology*; 67(7): 2958–2965.
- Boles BR, Thoendel M, Singh PK. 2005. Rhamnolipids mediate detachment of *Pseudomonas aeruginosa* from biofilms. 57: 1210–1223. *Pseudomonas aeruginosa* uses a cyclic-di-GMP-regulated adhesin to reinforce the biofilm extracellular matrix. *Molecular Microbiology*; 75(4): 827.
- Brooks GF, Butel JS, Morse SA. 2007. *Mikrobiologi Kedokteran*. Alih Bahasa. Mudihardi E, Kurniawan, dkk. Jakarta: Salemba Medika.
- Bullitt E, Makowski L. 1995. Structural polymorphism of bacterial adhesion pili. *Nature*; 373(6510): 164.
- Cai YZ, Xing J, Sun M, Zhan ZQ, Corke H. 2005. Phenolic antioxidants (hydrolyzable tannins, flavonols, and anthocyanins) identified by LC-ESI-MS and MALDI-QIT-TOF MS from *Rosa chinensis* flowers. *American Chemical Society*.
- Chelikani P, Fita I, Loewen PC .2004. Diversity of structures and properties among catalases. *Cellular Molecular Life Science*; 61(2): 192–208.

- Christensen, Gordon D., Simpson W., Anglen, Jeffrey O., Gainor, Barry J., 2000. *Handbook of Bacterial Adhesion*. New Jersey: Humana Press Inc.
- Chromagar™. 2009. *Instruction for Use: Chromagar Staphylococcus aureus*. www.chromagar.com. Diakses tanggal 02 Januari 2013.
- Chung KT, Wong TY, Wei CI, Huang YW, Lin Y. 1998. Tannins and human health: a review. *Critical Review of Food Science and Nutrition*; 38(6).
- Costerton JW, Montanaro L, Aciola CR. 2005. Biofilm in implant infections: its production and regulation. *International Journal of Artificial Organ*; 28(11).
- Costerton W, Veeh R, Shirtliff M, Pasmore M, Post C, Ehrlich G. 2003. The application of biofilm science to the study and control of chronic bacterial infections. *Journal of Clinical Investigation*; 112: 1466–1477.
- Cowan MM. 1999. Plant products as antimicrobial agents. *Microbiology*; 12.
- Crespo I., García-Mediavilla M. V., Gutiérrez B., Sánchez-Campos S., Tuñon M. J., González-Gallego J. 2008. A comparison of the effects of kaempferol and quercetin on cytokine-induced pro inflammatory status of cultured human endothelial cells. *British Journal of Nutrition*; 100: 968-976.
- Dalleau S, Cateau E, Berges T, Berjeaud J, Imbert C. 2008. In vitro activity of terpenes against *Candida* biofilms. *International Journal of Antimicrobial Agents*; 31(6): 572–576.
- Damayanti A, Fitriana EA. 2012. Pemungutan Minyak Atsiri Mawar (Rose Oil) dengan Metode Maserasi. *Jurnal Bahan Alam Terbarukan*; 1(2): 1-7.
- David MZ., Daum R. S. 2010. Community-Associated Methicillin Resistant *Staphylococcus aureus*: Epidemiology and Clinical Consequences of an Emerging Endemics. *Clinical Microbiology Review*; 23(3): 616-687.
- Davis SC, Martinez L, Kirsner R. 2006. The diabetic foot: the importance of biofilms and wound bed preparation. *Current Diabetic Reports*; 6(6):439-45.
- Davis SC, Ricotti C, Cazzaniga A, Welsh E, Eaglstein WH, Mertz PM. 2008. Microscopic and physiologic evidence for biofilm-associated wound colonization in vivo. *Wound Repair Regeneration*; 16(1): 23–9.
- de Carvalho CCR. 2007. *Biofilms: Recent Developments on an Old Battle*. Bentham Science Publishers Ltd; 1: 49-57.
- de Vos P, Garrity G, Jones D, Krieg NR, Ludwig W, Rainey FA, Schleifer KH, Whitman WB. 2009. *Bergey's Manual of Systemic Bacteriology*; 3(1450): 393.
- Dethlefsen LM, McFall-Ngai, Relman DA. 2007. An ecological and evolutionary perspective on human-microbe mutualism and disease. *Nature*; 449: 811-18.

- Donlan MR. 2002. Biofilms: Microbial life on surfaces. *Emerging Infectious Diseases*; (9): 881-90.
- Donlan MR, Costerton JW. 2002. Biofilms: Survival Mechanisms of Clinically Relevant Microorganisms. *Clinical Microbiology Review*; 15(2): 167-193.
- Equistar. 2003. Ethyl Alcohol Handbook. *Lyondell Chemical Company*; 6: 98-104.
- Flemming HC, Wingender J. 2010. The biofilm matrix. *Nature Reviews Microbiology*; 8(9), 623.
- Food and Drug Administration. 2013. Direct Food Substances Affirmed as Generally Recognized as Safe. *U. S. Department of Health and Human Services*; 21(3).
- Forbes BA, Sahm DF, Weissfeld AS. 2007. Bacterial identification flow charts & schemes: A Guide to Part III. *Bailey & Scott's Diagnostic Microbiology 12th Edition*. USA: Mosby.
- Furuya EY, Lowy FD. 2006. Antimicrobial-resistant bacteria in the community setting. *Nature Reviews Microbiology*; 1: 36-45.
- Gad GF, El-Feky MA, El-Rehewy MS, Hassan MA, Abolella H, El-Baky RM. 2009. Detection of icaA, icaD genes and biofilm production by *Staphylococcus aureus* and *Staphylococcus epidermidis* isolated from urinary tract catheterized patients. *Journal of Infection in Developing Country*; 3(5).
- Gardam MA. 2000. Is Methicillin-Resistant Staphylococcus aureus an emerging community pathogen? A review of literature. *Canadian Journal of Infectious Disease*; 11(4): 201-211.
- Geyid A, Abebe D, Debella A, Makonnen Z, Aberra F, Teka F, Kebede T, Urga K, Yersaw K and Biza T. 2005. Screening of some medicinal plants of Ethiopia for their anti-microbial properties and chemical profiles. *Journal of Ethnopharmacology*; 97: 421-427.
- Gordon RJ, Lowy FD. 2008. Pathogenesis of Methicillin-Resistant Staphylococcus aureus Infection. *Clinical Infectious Disease*; 46: 350-9.
- Gotz F. 2002. Staphylococcus and biofilms. *Molecular Microbiology*; 43.
- Greenwood D. 2008. *Antimicrobial drugs: chronicle of a twentieth century medical triumph*. Oxford University Press US.
- Gupta R, Mallavarapu GR, Ramesh S, Kumar S. 2000. Composition of flower essential oils of Rosa damascena and Rosa indica grown in Lucknow. *Journal of Medicinal and Aromatic Plant Science*; 22(4a)-23(1a).
- Hall-Stoodley L, Costerton JW, Stoodley P. 2004. Bacterial biofilms: from the natural environment to infectious diseases. *Nat. Rev. Microbiology*; 2(2).
- Harborne JB, Baxter H. 1999. *The handbook of natural flavonoids*. 1,2.

- Harborne JB, Williams CA. 2000. Advances in flavonoid research since 1992. *Phytochemistry*; 55:481–504.
- Harmsen M, Yang L, Pamp SJ, Tolker-Nielsen T. 2010. An update on *Pseudomonas aeruginosa* biofilm formation, tolerance, and dispersal. *FEMS Immunology Medical Microbiology*; 59(3): 253.
- Health Protection Agency. 2011. *Catalase Test. National Standard Method BSOP TP 8 Issue 2.2.* (http://www.hpa.org.uk/webc/HPAwebFile/HPAweb_C/1309970019332, diakses tanggal 05 Januari 2013).
- Higashi JM, Sullam PM. 2006. *Staphylococcus aureus biofilms. Biofilms, Infection, and Antimicrobial Therapy.* CRC Press.
- Horan T, Culver D, Jarvis W, Emori G, Benarjee S, Martone W, Thornsberry C. 1988. Pathogens causing nosocomial infections preliminary data from the national nosocomial infections surveillance system. *Antimicrobial Newsletter*; 5(9): 65-67.
- Horn WA, 1992. Micropropagation of rose (*Rosa L*). In: Bajaj YPS, editor. *Biotechnology in agriculture and forestry*; 20(7): 320–42.
- Hoyle BD, Williams LJ, Costerton JW. 1992. Disparate efficacy of tobramycin on Ca^{2+} , Mg^{2+} , and HEPES-treated *Pseudomonas aeruginosa* biofilms. *Canadian Journal of Microbiology*; 38: 1214-1218.
- ITIS. 2011. *Integrated Taxonomic Information System.* (<http://www.itis.gov>, diakses tanggal 30 Desember 2012).
- Jaj MJ, Loessner MJ, Golden DA. 2005. *Modern Food Microbiology.* Springer USA.
- James GA, Swogger E, Wolcott R, et al. 2008. Biofilms in chronic wounds. *Wound Repair Regeneration*; 16(1):37-44.
- Jawetz E, Levinson EW. 1996. *Medical Microbiology and Immunology.* New York: Lange Medical Book.
- Karatan E, Watnick P. 2009. Signals, Regulatory Networks, and Materials That Build and Break Bacterial Biofilms. *Microbiology Molecular*; 73(2).
- Katzung B. 2011. *Basic and Clinical Pharmacology.* McGraw-Hill Medical; 12
- Kayser F. H., Bienz K. A., Eckert J., Zinkernagel R. M. 2005. *Medical Microbiology.* Thieme Stuttgart, New York. 229-233.
- Koday NK, Rangaiah GS, Bobbarala V, Churukuri S. 2010. Bactericidal Activities of different medicinal plant extracts against ocular pathogens viz. *Corynebacterium macginleyi*. *Drug Invention Today*; 2(1): 5-7.



- Koleckar V, Kubikova K, Rehakova Z, Kuca K, Jun D, Jahodar L, Opletal L. 2008. Condensed and hydrolysable tannins as antioxidants influencing the health. *Mini Reviews in Medical Chemistry*; 8(5): 436-47.
- Lewis. 2005. *Biochemistry (Moscow)*. 70(2): 267-274.
- Liu Y, Black MA, Caron L, Camesano TA. 2006. Role of cranberry juice on molecular-scale surface characteristics and adhesion behavior of *Escherichia coli*. *Biotechnology and Bioengineering*; 93: 297-305.
- Lowy FD. 2003. Science in Medicine Antimicrobial resistance: the example of *Staphylococcus aureus*. *Journal of Clinical Investigation*; 111(9).
- Lutolf MP, Hubbell JA. 2005. Synthetic biomaterials as instructive extracellular microenvironments for morphogenesis in tissue engineering. *National Biotechnology*; 23(1): 47.
- Madigan MT, Martinko JM, Brock TD. 2006. *Staphylococcus aureus* infections. *Brock Biology of Microorganisms*; 34(1): 432-435.
- Mathur T, Singhal S, Khan S, Upadhyay DJ, Fatma T, Rattan A. 2006. Detection of biofilm formation among the clinical isolates of staphylococci: an evaluation of three different screening method. *Indian Journal Microbiology*; 24.
- McClaine JW, Ford RM. 2002. Reversal of flagellar rotation is important in initial attachment of *Escherichia coli* to glass in a dynamic system with high- and low-ionic-strength buffers. *Applied Environment Microbiology*; 68(3):1280.
- Melnick A. 1996. Medical Microbiology. *Lange Medical Book*.
- Menzies BE, 2003. The role of fibronectin binding proteins in the pathogenesis of *Staphylococcus aureus* infections. *Infectious Disease*; 16(3): 225-229.
- Midlandstech. 2011. *Functional Anatomy of Prokaryotic and Eukaryotic Cells: The Cell Wall*. (<http://classes.midlandstech.edu/carterp/Courses/bio225/chap04/ss4.htm>, diakses tanggal 04 Januari 2013).
- Mishra RP, Arshad M, Sami A. 2011. Antibacterial Properties of Rosa indica (L.) Stem, Leaves and Flowers. *Pharmaceutical and Biomedical Science*; 12.
- Mitchell G, Lafrance M, Boulanger S, Séguin DL, Guay I, Gattuso M, et al. 2012. Tomatidine acts in synergy with aminoglycoside antibiotics against multiresistant *Staphylococcus aureus* and prevents virulence gene expression. *Future Microbiology*; 67(3): 559-68.
- Nakagami G, Morohoshi T, Ikeda T, Ohta Y, Sagara H, Huang L, Nagase T, Sugama J, Sanada H. 2011. Contribution of quorum sensing to the virulence of *Pseudomonas aeruginosa* in pressure ulcer infection in rats. *Wound Repair Regeneration*; 19(2): 214-22.
- Nickell NL. 1999. *Nature's Aphrodisiacs*. Crossing Press.

- Notobroto BH. 2005. Penelitian Eksperimental dalam Materi Praktikum Teknik Sampling dan Penghitungan Besar Sampel Angkatan III. *Lembaga Penelitian Universitas Airlangga*.
- O'Toole GA, Kolter R. 1998. Initiation of biofilm formation in *Pseudomonas fluorescens* WCS365 proceeds via multiple, convergent signalling pathways: a genetic analysis. *Molecular Microbiology*; 28: 449-461.
- Okuda T. 2005. Systematics and health effects of chemically distinct tannins in medical plants. *Phytochemistry*; 66: 2012-2031.
- Oliveira DC, Tomasz A, de Lencastre H. 2002. Secrets of success of a human pathogen: molecular evolution of pandemic clones of methicillin-resistant *Staphylococcus aureus*. *Lancet Infectious Disease*; 2.
- Pace JL, Rupp ME, Finch RG. 2006. Biofilms, Infection, and Antimicrobial Therapy. *CRC Press Taylor and Francis Group*.
- Parvathi A, Rekha S, Sundari UT. 2012. Phytochemical Analysis of Some Therapeutic Medicinal Flowers. *International Journal of Pharmacy*; 2(3): 583-585
- Patel R. 2005. Biofilms and antimicrobial resistance. *Clinical Orthopedics Related Research*; 437: 41-47.
- Quinn PJ, Markey BK, Carter ME, Donnelly WJ, Leonard FC. 2002. Veterinary Microbiology and Microbial Disease. *Canadian Veterinary Journal*; 1-251.
- Rasmussen TB, Givskov M. 2006. Quorum sensing inhibitors: a bargain of effects. *Microbiology*; 152(4): 895-904.
- Roeselers G, van Loosdrecht M. C. M, Muyzer G. 2007. Heterotrophic Pioneers Facilitate Phototrophic Biofilm Development. *Microbiology*; 54(3): 578-85.
- Sahoo AM, Chakraborti CK, Nayak S, Kayal S. 2011. In vitro Antibacterial Activity Study of Rosa indica Linn. Leaves Extracts. *International Research Journal of Pharmacy*; 2(7): 180-182.
- Satari, H. 2005. Pattern of neonatal nosocomial infection in department of child health faculty of medicine university of Indonesia Cipto Mangunkusumo Hospital 2004. *Paediatrica Indonesiana*; 51.
- Schinabeck MK, Ghannoum MA. 2006. *Biofilm-related indwelling medical device infections*. In: Pace JL, Rupp ME, Finch RG, eds. Biofilms, infection, and antimicrobial therapy.
- Shymala GS, Vasantha K. 2010. Phytochemical screening and antibacterial activity of Syzygium cumini (L) (Myrtaceae) Leaves extracts. *International Journal of Pharmacology Technique Research*; 2(2): 1569-1573.



- Siegrist J. 2011. *Staphylococcus aureus* in the Focus. *Microbiology Focus*; 3(4): 2-7.
- Sutherland I. 2001. The *biofilm* matrix—an immobilized but dynamic microbial environment. *Trends Microbiology*; 9(5): 222-227.
- Thomas WE, Nilsson LM, Forero M, Sokurenko EV, Vogel V. 2004. Shear-dependent 'stick-and-roll' adhesion of type 1 fimbriated *Escherichia coli*. *Molecular Microbiology*; 53(5): 1545.
- Thomson CH. 2011. Biofilms:do they affect wound healing? *International Wound Journal*; 1: 63-7.
- Todar K. 2008. *Todar's Online Textbook of Bacteriology*. "Staphylococcus aureus and Staphylococcal Disease".
- Todar K. 2009. *Todar's Online Textbook of Bacteriology*. "Staphylococcus aureus and Staphylococcal Disease".
- Tolan R. 2012. *Staphylococcus aureus Infection*. (<http://www.emedicine.medscape.com/article/971358-overview>, diakses tanggal 19 Desember 2012).
- Trentin DS et al. 2013. Tannins Possessing Bacteriostatic Effect Impair *Pseudomonas aeruginosa* Adhesion and Biofilm Formation. *PLoS One*; 8(6): e66257.
- Tsuchiya H, Sato M, Miyazaki T, et al. 1996. Comparative study on the antibacterial activity of phytochemical flavanones against Methicillin-resistant *Staphylococcus aureus*. *Journal of Ethnopharmacology*; 50: 27-34.
- Unnanuntana A, Bonsignore L, Shirtliff ME, Greenfield EM. 2009. The Effects of Farnesol on *Staphylococcus aureus* Biofilms and Osteoblasts. *The Journal of Bone and Joint Surgery Inc*.
- Vigeant MA, Ford RM, Wagner M, Tamm LK. 2002. Reversible and irreversible adhesion of motile *Escherichia coli* cells analyzed by total internal reflection aqueous fluorescence microscopy. *Applied and Environmental Microbiology*; 68(6): 2794.
- Vikram A, Jayaprakasha GK, Jesudhasan PR, Pillai SD, Patil BS. 2010. Suppression of bacterial cell-cell signalling, biofilm formation and type III secretion system by citrus flavonoids. *Journal of Applied Microbiology*.
- Walencka E, Sadowska B, Rozalska S, Hryniwicz W, Ozalska B. 2006. *Staphylococcus aureus* biofilm as a target for single or repeated doses of oxacillin, vancomycin, linezolid and/or lysostaphin. *Folia Microbiology*; 51(5): 381-386.
- Wallace D. 2012. *The Benefits of Rose Water*. (<http://www.qaiahealthblog.com/2012/09/13/the-benefits-of-rose-water>, diakses tanggal 2 Januari 2014).



- Wertheim HF, Vos MC, Ott A. 2004. Risk and outcome of nosocomial *Staphylococcus aureus* bacteraemia in nasal carriers versus non-carriers. *Lancet*; 364: 703–5.
- Wertheim HF, Melles DC, Vos MC, van Leeuwen W, van Belkum A, Verbrugh HA, Nouwen JL. 2005. The role of nasal carriage in *Staphylococcus aureus* infections. *Lancet Infectious Disease*; 5: 751–62.
- Wiersma JG. 1999. Decontamination process. *Nouveau Technologies US* 5882916.
- Wood SM, Shah SS., Bafana M, Ratner AJ., Meaney PA., Malefho KS., Stenhoff AP. 2009. Epidemiology of Methicillin-Resistant *Staphylococcus aureus* Bacteremia in Gaborone, Botswana. *Infection Control Hospital Epidemiology*; 30(8): 782-785.
- Wu JA, Kusuma C, Mond JJ. 2003. Lysostaphin Disrupts *Staphylococcus aureus* and *Staphylococcus epidermidis* Biofilms on Artificial Surfaces. *Kokai-Kun*; 47(11): 3407–3414.
- Zhanel GG, Homenuik K, Nichol K, Noreddin A, Vercaigne L, Embil J, Gin A, Karlowsky JA, Hoban DJ. 2004. The glycyclines: a comparative review with the tetracyclines. *Drugs*; 64: 63-88.

