

DAFTAR PUSTAKA

- Adi AHB (2011). Pengembangan agroindustri gambir di kabupaten lima puluh kota, sumatera barat. Institut Pertanian Bogor. Disertasi
- Aggarwal R, Chaudhary U, Bala K (2008). Antibiotic combination in *pseudomonas aeruginosa*. Indian J Pathol Microbiol, 51 (2): 222-224
- Amos (2010). Kandungan katekin gambir sentra produksi di indonesia. Jurnal Standardisasi, 12 (3): 149-155.
- Amos H, Henanto S, Royaningsih, Laura F (2005). Kandungan catechin pada gambir. Makalah pada seminar nasional ke xvii & kongres ke x perhimpunan biokimia & biologi molekuler Indonesia di Pekanbaru,Riau.
- Andasuryani, Purwanto YA, Budiastri W, Syamsu K (2014). Prediksi kandungan katekin gambir (*Uncaria gambir Roxb.*) dengan spektroskopi nir. Jurnal Teknologi Industri Pertanian, 24 (1): 43-52.
- Aendekerk S, Diggle S, Song Z, Hoiby N, Cornelis P, Williams M (2005). The MexGHI-OpmD multidrug efflux pump controls growth, antibiotic susceptibility and virulence in *Pseudomonas aeruginosa* via 4-quinolone-dependent cell-to-cell communication. Microbiology, 151(4), 1113-1125.
- Antony A (2011). Study of biofilm forming capacity of pathogen involved in chronic rhinosinusitis. Auckland university of technology. Dissertation
- Archer NK, Mazaitis MJ, Costerton JW, Leid JG, Powers ME, Shirtliff ME (2011). *staphylococcus aureus* biofilms properties, regulation and roles in human disease. Landes Bioscience, 2 (5): 445-459.
- Arciola CR, Campoccia D, Speziale P, Montanaro L, Costerton JW (2012). Biofilm formation in *staphylococcus* implant infections. A review of molecular mechanisms and implications for biofilm-resistant materials. Biomaterials, 33 (26): 5967-5982.
- Badan Standarisasi Nasional Indonesia (2000). Gambir http://sisni.bsn.go.id/index.php/sni_main/sni/detail_sni/3793. - Diakses 15 Desember 2016.
- Bakhtiar A, dan Putra DP (2005). Uji laboratorium penetapan bilangan parameter standarisasi mutu ekstrak daun uncaria gambir (extractum uncaria gambir). Bagian Proyek Peningkatan, Pengendalian dan Pengawasan Obat Tradisionil Direktorat Pengawasan Obat Tradisional Ditjen POM Dep Kes RI.
- Balows A, Hausler Jr WJ, Herrmann KL, Isenberg HD, Shadomy HJ (1991). Manual of clinical microbiology. Edisi ke 5. Washington DC : American Society for Microbiology
- Clinical and Laboratory Standards Institute (2006). Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically: approved standard. CLSI publication M7-A7. Wayne, PA : CLSI.

- Damanik DDP, Surbakti N, Hasibuan R (2014). Ekstraksi katekin dari daun gambir (*Uncaria gambir Roxb*) dengan metode maserasi. Jurnal Teknik Kimia USU, 3 (2): 10-14
- Davey EM, Otoole AG (2000). Microbial biofilm : From ecology to molecular genetics. *Microbiol Mol Biol*, 64 (4): 847-867.
- Dhalimi A (2006). Permasalahan gambir (*uncaria gambir*) di sumatera barat dan alternatif pemecahannya. *Perspektif*, 5 (1): 46-59.
- Donlan RM (2001). Biofilms and device-associated infections. *Emerging Infectious Diseases*, 7 (2): 277-281.
- Donlan RM, Costerton JW (2002). Biofilm : Survival mechanism of clinically relevant microorganism. *Clin Mikrobiol rev*, 15 (2): 167-193
- Ducel G (2002). Prevention of hospital-acquired infections, a practical guide. Edisi ke 2. World Health Organization. Department of Communicable disease, Surveillance and Response
- Febriana NC (2006). Pemanfaatan gambir (*uncaria gambir roxb*) sebagai sediaan obat kumur. Fakultas Teknologi Pertanian Institut Pertanian Bogor.
- Flemming HC, Wingender J (2010). The biofilmmatrix. *Nature Reviews Microbiology*, 8 (9): 623–633.
- Haryanto S (2009). Ensiklopedia tanaman obat indonesia. Yogyakarta : Palmall
- Hosainzadegan H, Delfan B (2007). Evaluation of antibiofilm activity of dentol. lorestan university of medical sciences. Original Report
- Innovotect Inc (2011). Instructions the MBEC high-throughput (HTP) assay for antimicrobial susceptibility testing of biofilms. www.innovotect.ca - Diakses 10 Desember 2016
- Iskandar AR (2013). Pola mikroorganisme pembentuk biofilm pada kateter urin pasien yang terpasang jangka panjang. Universitas Sumatera Utara. Tesis.
- Jagani S, Chelikani R, Kim D (2008). Effect of phenol and natural phenolic compounds on biofilm formation by *pseudomonas aeuginosa*. *Biofouling: The Journal of Bioadhesion and Biofilm Research*, 25 (4) : 321-324.
- Jawet, Melnick, Adelberg (2010). Medical microbiology. Edisi ke 25. USA: Mc Graw Hill Company.
- Kassim MJ, Hussin MH, Achmad A, Dahon NH, Suan TK, Hamdan HS (2011). Determination of total phenol, condensed tannin and flavonoid contents and antioxidant activity of *uncaria gambir* extracts. *Majalah Farmasi Indonesia*, 22 (1): 50-59.
- Lee JH, Park JH, Cho HS, Joo SW, Cho MH, Lee J (2013). Anti-biofilm activities of quercetin and tannic acid against *staphylococcus aureus*. *Biofouling: The Journal of Bioadhesion and Biofilm Research*, 29 (5) : 491-499.

- Lewis K (2001). Riddle of biofilm resistance. *Antimicrobial Agents and Chemotherapy*, 45 (4): 999-1007.
- Madigan MT, Martinko JM, dan Parker J (2003). Brock biology of microorganisms. Edisi ke 10. Upper Sanddle River : Southern Illinois University Carbonilde, Pearson Education, Inc.
- Magdalena NV, Kusnadi J (2015). Antibakteri dari ekstrak kasar daun gambir (uncaria gambir var cubadak) metode microwave-assisted extraction terhadap bakteri patogen. *Jurnal pangan dan agroindustri*, 3 (1): 124-135
- Mah TFC, O'Toole GA (2001). Mechanism of biofilm resistance to antimicrobiology agent. *Trends In Microbiology*, 9 (1): 34-39
- Melchior MB, Vaarkamp H, Gremmels JM (2006). Biofilm: A role in recurrent mastitis infection ? *The Vet*, 171 (3): 398-407.
- Miquel S, Lagraveille R, Souweine B, Forestier C (2016). Anti-biofilm activity as a health issue. *Frontiers in Microbiology*, 7 (592): 1-14.
- Muchtar H, Yusmeiarti, Yeni G (2008). The effect of type of absorbance in the isolation process of gambier catechin. *J Riset Ind*, 2: 14-23.
- Okada A, Sato E, Kouchi T, Kimizuka R, Kato T, Okuda K (2008). Inhibitory effect of cranberry polyphenol on cariogenic bacteria. *Bull Tokyo Dent Coll*, 49 (3): 107-112.
- Oliveira M, Bexiga R, Nunes SF, Carneiro C and Cavaco LM (2006). Biofilm-forming ability profiling of staphylococcus aureus and staphylococcus epidermidis mastitis isolate. *Vet Mic*, 118 (1): 133-140.
- Olmsted RN (1996). APIC Infection Control and Applied Epidemiology: Principles and Practice. St Louis : Mosby.
- Palmer J. Bacterial biofilms in chronic rhinosinusitis (2006). *Annals of Otology, Rhinology & Laryngology*, 115 (9): 35-39.
- Prabuseenivasan S, Jayakumar M, Ignachimutu S (2006). In vitro antibacterial activity of some plant essential oils. *BMC Complement Altern Med*, 6 (1): 39-46.
- Prakash BM, Veeragowda and Krishnappa G (2003). Biofilms: A survival strategy of bacteria. *Current Sci*, 85 (9): 1299-1307.
- Psaltis AJ (2008). The role of bacterial biofilms in chronic rhinosinusitis. Department of surgery, Faculty of Health Sciences, The Queen Elizabeth Hospital/University of Adelaide, South Australia. Disertasi
- Radji M (2011). Buku ajar mikrobiologi panduan mahasiswa farmasi dan kedokteran. Jakarta : Buku kedokteran EGC
- Rahmadianti MA, Santosaningsih D, Noorhamdani AS (2015). Perbandingan efek ekstrak daun kayu putih (melaleuca leucadendra l.) sebagai antibiofilm

- staphylococcus aureus isolat darah dan urin. Majalah Kesehatan FKUB, 2 (2): 70-78
- Rahmawati N, Bakhtiar A, Putra D.P (2012). Isolasi katekin dari gambir (*uncaria gambir* (hunter).roxb) untuk sediaan farmasi dan kosmetik. Jurnal Penelitian Farmasi Indonesia, 1 (1): 6-10.
- Ridawati, Alsuhendra, Sastanovia (2008). Ekstrasi senyawa berpotensi antimikroba dari gambir (*Uncaria gambir roxb*) dan pemanfaatannya dalam pembuatan permen jelly. Jurusan Ilmu Kesejahteraan Keluarga FT Universitas Negeri Jakarta.
- Rohde H, Frankenberger S, Zahringer U, Mack D (2010). Structure, function and contribution of polysacharide intercellular adhesin (PIA) to staphylococcus epidermidis biofilm formation and pathogenesis of biomaterial-associated infections. European Journal of Cell Biology, 89 (1) : 103-111.
- Rukmono P, Zuraida R (2013). Uji kepekaan antibiotik terhadap pseudomonas aeruginosa penyebab sepsis neonatorum. Biostatistik Fakultas Kedokteran Universitas Lampung, 14 (5) : 332-336.
- Sannomiya M (2005). Flavonoids and antiulcerogenic activity from byrsonima crassa leaves extracts. Journal of Ethnopharmacology. 97 (1): 1-6
- Sharma G, Rao S, Bansal A, Dang S, Gupta S, Gabrani R (2014). Pseudomonas aeruginosa biofilm: Potential therapeutic targets. Biologicals, 42 (1):1-7
- Simoes M, Simoes LC, Vieira MJ (2008). A review of current and emergent biofilm control strategies. LWT-Food Science and Technology, 43 (4): 573-583.
- Strateva T, Yordanov D (2009). Pseudomonas aeruginosa – a phenomenon of bacterial resistance. Journal Of Med Microbiol, 58(Pt 9): 1133-1148.
- Stoodley P, Dodds I, Boyle JD, Scotch HML (1998). Influence of hydrodynamics and nutrients on biofilm structure. J Appl Microbiol, 85: 19S-28S.
- Susanti DY (2008). Efek suhu pengeringan terhadap kandungan fenolik dan kandungan katekin ekstrak daun kering gambir. Prosiding Seminar Nasional Teknik Pertanian.
- Taganna JC, Quanico JP, Perono RM, Amor EC, Rivera WL (2011). Tannin-rich fraction from terminalia catappa inhibits quorum sensing (QS) in chromobacterium violaceum and the QS-controlled biofilm maturation and LasA staphylolytic activity in pseudomonas aeruginosa. Journal Ethnopharmacol, 134 (3): 865-871.
- Tamashiro E, Antunes MB, Palmer JN, Cohen NA, Anselmo-Lima WT (2009). Implication of bacterial biofilms in chronic rhinosinusitis. BJID, 13 (3): 232-235.
- Tarver T (2009). Biofilms a thread to food safety. <http://www.ift.org>. - Diakses 29 Desember 2016.

- Todar K (2008). Todar's online textbook of bacteriology. <http://www.textbookofbacteriology.net>. - Diakses 19 Desember 2016.
- Tortora GJ, Funke BR, Christine LC (2004). Microbiology an introduction, Edisi ke 8. San Fransisco : Pearson Education, Inc.
- Utami P, Novi W, Nina W, Dewi D, Agung S, Tinton DP, dkk (2008). Buku pintar tanaman obat 431 jenis tanaman penggempur aneka penyakit. Jakarta : PT. Agromedia Pustaka
- Varhimo E, Varmanen P, Fallarero A, Skogman M, Pyorala S, Livanainen A, dkk (2011). Alpha- and β -casein Component of Host Milk Induce Biofilm Formation in The Mastitis Bacterium *Streptococcus uberis*. Vet Mic,149 (3): 381-389.
- 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 Appl Microbiol. 2010 Aug;109(2):515-27.
- Wahyudi D (2014). Uji efektivitas ekstrak seledri (*apium graveolens* l) sebagai penghambat produksi biofilm pada salmonella typhi. Biomedika, 7 (2): 1-10.
- Watnick P, Kolter R (2000). Biofilm, city of microbes. Journal of Bacteriology 182 : 2675-2679.
- Winarto (2009). Prevalensi kuman esbl (*extended spectrum beta lactamase*) dari material darah di rsup dr. kariadi tahun 2004-2005. Media Medika Indonesiana.
- Yarwood JM, Bartels DJ, Volper EM, Greenberg EP (2004). Quorum sensing in *staphylococcus aureus* biofilms. Journal Bacteriol, 186 (6): 1838-1850.
- Yuliandari R (2015). Uji aktivitas antibiofilm sari buah belimbing wuluh (*averrhoa bilimbi* l) terhadap biofilm *pseudomonas aeruginosa* secara in vitro.UIN Syarif Hidayatullah. Skripsi