DAFTAR PUSTAKA

Acker, H. V. dan Coenye, T., 2016, The role of efflux and physiological adaptation in biofilm tolerance and resistance, *Journal of Biological Chemistry*, 1-16.

Ahmad, I. dan Husain, F. M., 2017, *Biofilms in plant and soil health*, Hoboken: Wiley Blackwell.

Alav, I., Sutton, J. M., Rahman, K. M., 2018, Role of bacterial efflux pumps in biofilm formation, *Journal of Antimicrobial Chemotherapy*, 73(8): 2003-2020.

Alhazmi, A., 2015, *Pseudomonas aeruginosa*-pathogenesis and pathogenic mechanisms, *International Journal of Biology*, 7(2): 44-67.

Anonim, 2007, Dimethyl sulfoxide (DMSO) health and safety information, *Gaylord Chemical Company*, 1-16.

Anonim, 2015, *Corning microplate selection guide: for assays and drug discovery*, New York: Corning incorporated.

Anonim, 2016, Biofilm protocol optimization for *Pseudomonas aeruginosa* , *ImQuest Biosciences*, 1-6.

Brito, R. C., 2017, Standardization of the safety level of the use of DMSO in viability assays in bacterial cells, *MOL2NET*, 3:1-6.

Brooks, G. F., Carroll, K. C., Butel, J. S., Morse, S. A., Mietzner,T. A., 2013, *Medical microbiology26th ed.*, New York: Mc Graw Hill Medical.

Caldas, R. R., Gall, F. L., Revert, K., Rault, G., Virmaux, M., Gouriou S., Hery-Arnaud, G., Barbier, G., Boisrame, S., 2015, *Pseudomonas aeruginosa* and periodontal pathogens in the oral cavity and lungs of cystic fibrosis patients: a case- control study, *Journal of Clinical Microbiology*, 53(6): 1898- 1907.

Campa, M., Bendinelli, M., Friedman, H., 2012, *Pseudomonas aeruginosa as an opportunistic pathogen*, New York: Springer Science& Business Media.

Colvin, K. M., Irie, Y., Tart, C. S., Urbano, R., Whitney, J. C., Ryder C., Howell, P. L., Wozniak, D. J., Parsek, M. R., 2012, The Pel and Psl polysaccharides provide *Pseudomonas aeruginosa* structural redundancy within the biofilm matrix, *Environmental Microbiology*, 14(8): 1-26.

Das, S. dan Dash, H. R., 2015, *Microbial biotechnology: A laboratory manual for bacterial systems*, New Delhi: Springer.

Deziel, E., Comeau, Y., Villemur, R., 2001, Initiation of biofilm formation by *Pseudomonas aeruginosa* 57rp correlates with emergence of hyperpiliated

and highly adherent phenotypic variants deficient in swimming, swarming, and twitching motilities, *Journal of Bacteriology,* 183(4): 1195- 1204.

El- Khier, N. T. A., El- Kazzaz, S. S., Elganainy, A. E. A., 2017, Quorum sensing-dependent virulence factors and biofilm formation of *Pseudomonas aeruginosa* isolates from retrieved orthopedic implants, *Egyptian journal of medical microbiology,* 26(3): 137- 143.

Farhadi, F., Khameneh, B., Iranshahi, M., Iranshahy, M., 2018, Antibacterial activity of flavonoids and their structure- activity relationship: An update review, *Phytotheraphy Research,* 33: 13- 40.

Geetha, R. V., Roy, A., Lakshmi, T., 2011, Evaluation of anti bacterial activity of fruit rind extract of *Garcinia mangostana linn* on enteric pathogens in vitro study, *Asian Journal of Pharmaceutical and Clinical Research,* 4(2): 115-118.

Gellatly, S. L. dan Hancock, R. E. W., 2013, *Pseudomonas aeruginosa*: new insights into pathogenesis and host defenses, *Pathogens and Disease,* 67, 159- 173.

Ghasemzadeh, A. dan Ghasemzadeh N., 2011, Flavonoids and phenolic acids: role and biochemical activity in plants and human, *Journal of Medicinal Plants Research,* 5(31): 6697-6703.

Gleim, D., 1980, Prokaryotic nomenclature up-to-date, *International Journal of Systematic and Evolutionary Microbiology,* German: Leibniz- Institut DSMZ- Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH.

Greenberg, M. S., Glick, M., Ship, J. A,. 2008, *Burket's oral medicine 11th ed.*, Hamilton: BC Decker Inc.

Gutierrez-Orozco dan Failla, M., 2013, Biological activities and bioavailability of mangosteen xanthones: a critical review of the current evidence, *Nutrients,* 5: 3163- 3183.

Harmita dan Radji, M., 2008, *Buku ajar analisis hayati*, Jakarta: Penerbit Buku Kedokteran EGC.

Harti, A. S., 2015, *Mikrobiologi kesehatan*, Yogyakarta: Penerbit ANDI.

Hasan, A. E. Z., Nashrianto, H., Juhaeni, R. N., Artika, I. M., 2016, Optimization of conditions for flavonoids extraction from mangosteen (*Garcinia mangostana L.*), *Der Pharmacia Lettre,* 8(18): 114- 120.

Hilton, A. dan Armstrong, R., 2006, Post hoc ANOVA test, *Microbiologist*.

Ireland, R., 2010, *A dictionary of dentistry,* New York: Oxford University Press.

ITIS, 2011, *Garcinia mangostana L.*, Reston, https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&sear

ch_value=21484&print_version=SCR&source=from_print#null (03/11/2018).

Karagoz, D. dan Saracbasi, T., 2016, Robust brown-forsythe and robust modified brown-forsythe ANOVA test under heteroscedasticity for contaminated weibull distribution, *Revista Colombiana de Estadistica,* 39(1):17-32.

Kumar, S. dan Pandey, A. K., 2013, Chemistry and biological activities of flavonoids: an overview, *The Scientific World Journal*, 1-16.

Kwasny, S. M. dan Opperman, T. J., 2010, Static biofilm culture of Gram positive pathogens grown in a microtiter format used for anti-biofilm drug discovery, *Current Protocols in Pharmacology,* 1-27.

Laverty, G., Gorman, S. P., dan Gilmore, B. F., 2014, Biomolecular mechanisms of *Pseudomonas aeruginosa* and *Escherichia coli* biofilm formation, *Pathogens,* 3, 596- 632.

Lee, C. S., Wetzei, K., Buckley, T., Wozniak, D., Lee, J., 2011, Rapid and sensitive detection of *Pseudomonas aeruginosa* in chlorinated water and aerosols targeting *gyrB* gene using real- time PCR, *Journal of Applied Microbiology*, 111(4): 893- 903.

Li, X., Qiu, W., Morrow, J., DeMeo, D.L., Weiss, S.T., Fu, Y., Wang, X., 2015, A comparative study of tests for homogenity of variances with apllication to DNA methylation data, *PLoSONE*, 10(12): 1-12.

Lim, T. K., 2012, *Edible medicinal and non medicinal plants*, New York: Springer Science.

Lopes, L. A. A., Rodrigues, J. B. S., Magnani, M., Souza, E. L., Siqueira- Junior, J. P., 2017, Inhibitory effects of flavonoids on biofilm formation by *Staphylococcus aureus* that overexpresses efflux protein genes, *Microbial Pathogenesis,* 107: 193- 197.

Makiyah, A., Husin, U. H., Sadeli, R., 2016, Efek imunostimulasi ekstrak etanol umbi iles- iles terhadap aktivitas fagositosis sel makrofag pada tikus putih *strain* wistar yang diinokulasi *Staphylococcus aureus, Majalah Kedokteran Bandung,* 48(2): 68- 77.

Mardiana, L., 2012, *Ramuan & khasiat kulit manggis*, Jakarta: Penebar Swadaya Grup.

Nugraheni, R., Suhartono, Winarni, S., 2012, Infeksi nosokomial di RSUD Setjonegoro Kabupaten Wonosobo, *Media Kesehatan Masyarakat Indonesia,* 11(1): 94-100.

Nuraniputri, U. Daryanto, H. K. S., Kuntjoro, 2016, Produksi manggis pada beberapa kelompok umur tanaman dan faktor- faktor yang mempengaruhi produksi manggis di Kabupaten Sukabumi, Jawa Barat, *Jurnal Agribisnis Indonesia,* 4(1): 67- 78.

Ouellet, M. M., Leduc, A., Nadeau, C., Barbeau, J., Charette, S. J., 2015, *Pseudomonas aeruginosa* isolates from dental unit waterlines can be divided in two distint groups, including one displaying phenotypes similar to isolates from cystic fibrosis patients, *Frontiers in Microbiology*, 5(802): 1-11.

Oliveira, A. C., Maluta, R. P., Stella, A. E., Rigobelo, E. C., Marin, J. M., Avilla, F. A., 2008, Isolation of *Pseudomonas aeruginosa* strains from dental office environments and units in Barretos, State of Sao Paulo, Brazil, and analysis of their susceptibility to antimicrobial drugs, *Brazilian Journal of Microbiology*, 39: 579- 584.

Ongole, R. dan Praveen, B. N., 2013, *Textbook of oral medicine, oral diagnosis and oral radiology 2nd ed.*, New Delhi: Elsevier.

Onsare, J. G. dan Arora, D. S., 2014, Antibiofilm potential of flavonoids extracted form Moringa oleifera seed coat against *Staphylococcus aureus, Pseudomonas aeruginosa* and *Candida albicans, Journal of Applied Microbiology*, 118: 313- 325.

O' Toole, G. A., 2011, Microtier dish biofilm formation assay, *Journal of Visualized Experiments*, 47: 1-2.

Ozer, B., Tatman- Otkun, M., Memis, D., Otkun, M, 2009, Characteristics of *Pseudomonas aeruginosa* isolates from intensive care unit, *Central European Journal of Medicine*, 4(2): 156- 163.

Paczkowski, J. E., Mukherjee, S., McCready, A. R., Cong, J. P., Aquino, C. J., Kim, H, Henke, B. R., Smith, C. D., Bassler, B. L., 2017, Flavonoids suppress *Pseudomonas aeruginosa* virulence through allosteric inhibition of quorum-sensing receptors, *The Journal of Biological Chemistry*, 292(10): 4064-4076.

Paramawati, R., 2010, *Dahsyatnya manggis untuk menumpas penyakit*, Jakarta Selatan: PT AgroMedia Pustaka.

Phuong, N. T. M., Quang, N. V., Mai, T. T., Anh, N. V., Kuhakarn, C., Reutrakul, V., Bolhuis, 2017, Antibiofilm activity of α- mangostin extracted from *Garcinia mangostana L.* against *Staphylococcus aureus, Asian Pacific Journal of Tropical Medicine*, 10(12): 1154- 1160.

Purwaningsih, E. H., 2013, Jamu, obat tradisional asli Indonesia pasang surut pemanfaatannya di Indonesia,*eJournal Kedokteran Indonesia*, 1(2): 85- 89.

Quave, C. L., Plano, L. R. W., Pantuso, T., Bennett, B. C., 2008, Effects of extracts from Italian medicinal plants on planktonic growth, biofilm formation and adherence of methicillin- resistant *Staphylococcus aureus, Journal Ethnopharmacology*, 118(3): 418-428.

Rachmawati, H. D., Aprillia, Parisihni, K., 2015, Efektivitas antibakteri ekstrak daun mangrove *Acanthus ilicifolius* terhadap biofilm *Enterococcus faecalis.*

Rasamiravaka, T., Pottier, L., Vandeputte, O. M., Rabemanantosa, C., 2015, *Pseudomonas aeruginosa* biofilm formation and persistence, along with the production of quorum sensing- dependent virulence factors, are disrupted by a triterpenoid coumarate ester isolated from *Dalberga trichocarpa*, a tropical legume, *PLOSONE*, 1-32.

Redha, A., 2010, Flavonoid: Struktur, Sifat antioksidatif dan peranannya dalam sistem biologis, *Jurnal Belian*, 9(2): 196-202.

Rodrigues, A. C., Oliveira, B. D., Silva, E. R., Sacramento, N. T. B., Bertoldi, M. C., Pinto, U. M., 2016, Anti-quorum sensing activity of phenolic extract from *Euginia brasiliensis* (Brazilian cherry), *Food Science and Technology*, 36(2): 337-343.

Ryan, K. J. dan Ray, C. G., 2004, *Sherris medical microbiology 4th ed.*, New York: McGraw- Hill Medical Publishing Division.

Samaranayake, L., 2006, *Essential microbiology for dentistry*, New Delhi: Churchill Livingstone Elsevier.

Sanusi, A. M., Rahayu, W. S., Utami, P. I., 2010, Identifikasi cemaran logam timbal dalam mainan gigitan bayi yang beredar di Purwokerto dengan metode spektrofotometeri serapan atom, *Pharmacy*, 7(3): 123-134.

Saxena, M., Saxena, J., Pradhan, A., 2012, Flavonoids and phenolic acids as antioxidants in plants and human health, *International Journal of Pharmaceutical Sciences Review and Research*, 16(2): 130-134.

Shukla, S. K. dan Rao, T. S, 2017, An improved crystal violet assay for biofilm quantification in 96- well microtiter plate, *bioRxiv*, 1-10.

Shunmugaperumal, T., 2010, *Biofilm eradication and prevention*, Kuala Lumpur: John Wiley & Sons, Inc.

Slobodnikova, L., Fialova, S., Rendekova, K., Kovac, J., Mucaji, P., 2016, Antibiofilm activity of plant polyphenols, *Molecules*, 21: 1-15.

Soedarto, 2016, *Infeksi nosokomial di rumah sakit*, Jakarta: CV. Sagung Seto.

Strateva, T. dan Yordanov, D., 2009, *Pseudomonas aeruginosa*- a phenomenon of bacterial resistance, *Journal of Medical Microbiology*, 58, 1133- 1148.

Streeter, K. dan Katouli, M., 2016, *Pseudomonas aeruginosa:* A review of their pathogenesis and prevalence in clinical settings and the environment, *Infection Epidemiology and Medicine*,2(1): 25-32.

Tandelilin, R. dan Saini, R., 2018, *Dental plaque: A biofilm*, Yogyakarta: Kanisius.

Tassew, D. D., Mechesso, A. F., Park, N. H., Song, J. B., Shur, J. W., Park, S. C., 2017, Biofilm formation and determination of minimum biofilm erdication concentration of antibiotics in *Mycoplasma hyopneumoniae*, *The Journal of Veterinary Medical Science*, 79(10): 1716- 1720.

Teanpaisan, R., Kawsud, P., Pahumunto, N., 2016, Screening for antibacterial and antibiofilm activity in Thai medicinal plant extracts against oral microorganisms, *Journal of Traditional and Complementary Medicine,* 1-6.

Ugurlu, A., Yagei, A. K., Ulusoy, S., Aksu, B., Bosgelmez- Tinaz, G., 2016, Phenolic compounds affect production of pyocyanin, swarming motility and biofilm formation of *Pseudomonas aeruginosa*, *Asian Pacific Journal Tropical Biomed,* 6(8): 698- 701.

Yatman, E., 2012, Kulit buah manggis mengandung xanthone yang berkhasiat tinggi, *Widya,* 324: 1-9.