

DAFTAR PUSTAKA

- Abbas, R.K., Elsharbasy, F.S., dan Fadlelmula, A.A., (2018) Nutritional values of *moringa oleifera*, total protein, amino acid, vitamins, minerals, carbohydrates, total fat and crude fiber, under the semi-arid conditions of sudan. *J Microb Biochem Technol.* 10(2): 56-58.
- Abriaman, L.O., Sari I.K., Dwipriastuti, dan D., Khoiriyah, N., (2013) Perancangan dental chair portable untuk menunjang aktivitas dokter gigi dilapangan yang berbasis ergonomis. *ReTII.* 00: 902-907.
- Amelia, R., dan Burhanuddin, N., (2018) Identifikasi bakteri *Staphylococcus aureus* dengan infeksi nosokomial pada spre di ruang perawatan pascabedah RSUD Labuang Baji Kota Makassar. *SMIPT.* 1: 272-278.
- Azman, M., Abdul, R., Jailani, S., Mashitah, M.Y., Ibrahim, A. B., dan Mohd, R.M.D., (2010) Effect of Temperature and Time to the Antioxidant Activity in Air *Plecranthus amboinicus* Lour. *Journal American Sci*, 7(9): 1195-1199.
- Barben J., dan Schmid J., (2007) Dental units as infection sources of *Pseudomonas aeruginosa*. *Eur Respiratory Soc.* 32(4): 2-3.
- Barton, L.L., (2005) *Structural and functional relationships in prokaryotes*. New York: Springer Science. pp. 238.
- Bonez, P.C., Alves, C.F.S., Dalmolin, T.V., Agertt, V.A., Mizdal, C.R., Flores, V.C., Marques, J.B., Santos, R.C.V., Campos, M.M.A., (2013) Chlorhexidine activity against bacterial biofilms. *AJIC.* e1-e4
- Caldas, R.R., Gall, F.L., Revert, K., Rault, G., Virmaux, M., Gouriou, S., Arnaud, G.H., Barbier, G., dan Boisramea, S., (2015). *P. aeruginosa* and periodontal pathogens in the oral cavity and lungs of cystic fibrosis patients: a case-control study. *Am Soc Microbiol.* 53(6): 1898-1907.
- Campbell, N.A., Reece, J.B., Urry, L.A., Cain, M.L., Wasserman, S.A., Minorsky, P.V., dan Jackson, R.B., (2008) *Biologi* (terj.), Jakarta: Penerbit Erlangga. pp. 160.
- Carroll, K.C., Hobden, J.A., Miller, S., Morse, S.A., Mietzner, T.A., Detrick, B., Mitchell, T.G., McKerrow, J.H., dan Sakanari, J.A., (2016) *Jawetz, melnick, & adelberg's medical microbiology.* 27thed. New York: McGraw-Hill Education. pp. 245, 246, 247.
- Conrad, J.C., Gibiansky, M.L., Jin, F., Gordon, V.D., Motto, D.A., Mathewson, M.A., Stopka, W.G., Zelasko, D.C., Shrout, J.D., dan Wong, G.C.L., (2011) Flagella and pili-mediated near-surface single-cell motility mechanisms in *P. aeruginosa*. *BPJ.* 100(7): 1608-1616.
- Deplano, A., Denis, O., Poirel, L., Hocquet, D., Nonhoff, C., Byl, B., Nordmann, P., Vincent, J.L., dan Struelens, M.J., (2005) Molecular characterization of an epidemic clone of panantibiotic-resistant *Pseudomonas aeruginosa*. *Am Soc Microbiol.* 43(3): 1198-1204.
- 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. *Am Soc Microbiol.* 183(4): 1195-1204.

- Engleberg, C.N., DiRita V., dan Dermody T., (2006) *Schaecter's Mechanisme of Microbial Disease*. 5thed. Philadelphia: Lippincot William & Wilkins. pp. 218.
- Engelkirk P.G., dan Engelkirk J.D., (2008) *Laboratory Diagnosis of Infectious Diseases*. Philadelphia: Lippincott Williams and Wilkins. pp. 21.
- Gopalakrishnan, L., Doriyaa, K., dan Kumara, D.S., (2016) *Moringa oleifera*: a review on nutritive importance and its medicinal application. *FSHW*. 5: 49-56.
- Hanarisetya, N., (2019) Pengaruh cara pengeringan dan perebusan terhadap aktivitas antioksidan dan mutu organoleptik daun kelor (*Moringa Oleifera*). Jakarta: Skripsi Fakultas Teknologi Pangan Dan Kesehatan. pp 2, 23, 46, 47, 48.
- Hashemi, M.M., Holden, B.S., Coburn, J., Taylor, M.F., Weber, S., Hilton, H., Zaugg, A.L., McEwan, C., Carson, R., Andersen, J.L., Price, J.C., Deng, S., dan Savage, P.B., (2019) Proteomic Analysis of Resistance of Gram-Negative Bacteria to Chlorhexidine and Impacts on Susceptibility to Colistin, Antimicrobial Peptides, and Ceragenins. *Frontiers in Microbiology*. 10: 1-13.
- Hermawati, R., dan Dewi, H.A.C., (2014) *Berkat herbal penyakit jantung koroner kandas*, Jakarta: F Media. pp. 62-64.
- Hutagaol, A.C., Lestari, H., Umboh, J.M.L., (2017) Faktor-faktor penguat perilaku yang berhubungan dengan kepatuhan perawat gigi dalam penerapan standart precaution di poliklinik gigi dan mulut di rumah sakit kota manado, *JML Umboh*. 47-63.
- Jimenez, M.V., Almatrafi, M.M., dan Fernandez, M.L., (2017) Bioactive components in *Moringa oleifera* leaves protect against chronic disease. *MDPI*. 91(6): 1-13.
- Kaiser, D., (2007) Bacterial swarming a re-examination of cell movement patterns. *Curr Biol*. 17(1): 561-570.
- Kearns, D.B., (2010) A field guide to bacterial swarming motility. *Nat Rev Microbiol*. 8(9): 634-644.
- Kohler, T., Curty, L.K., Barja, F., Delden, C.V., dan Pechere, J.C., (2000) Swarming of *Pseudomonas aeruginosa* is dependent on cell-to-cell signaling and requires flagella and pili. *J Bacteriol*. 182(21): 5990-5996.
- Lugito, M.D.H., (2013) Kontrol infeksi dan keselamatan kerja dalam praktek kedokteran gigi. *Jurnal PDGI*. 62(1): 24-30.
- Lumunon, N.P., Wowor, V.N.S., dan Pangemanan, D.H.C., (2019) Pencegahan dan pengendalian infeksi silang pada tindakan ekstraksi gigi di poli gigi Puskesmas Kakaskasen Tomohon. *Jurnal e-Gigi*. 7(1): 34-43.
- Madigan, M., Martinko, J., Stahl, D., dan Clark, D., (2012) *Biology of microorganism*. San Francisco : Pearson Education. pp. 866-871.
- Madigan, M.T., Martinko, J.M., Bender, K.S., Buckley, D.H., dan Stahl, D.A., (2015) *Brock biology of microorganisms*. 14thed. USA: Pearson Education. pp. 4, 49, 56, 57, 58, 489.
- Makiyah, A., Husin, U.H., dan Sadeli, R., (2016) Efek imunostimulasi ekstrak etanol umni ileles terhadap aktivitas fagositosis sel makrofag pada tikus

- putih strain wistar yang diinokulasi *Staphylococcus aureus*. *MKB*. 48(2): 68-77.
- Manalu, A.I., (2019) Potensi Ekstrak Buah Andaliman (*Zanthoxylum acanthopodium* DC) Sebagai Anti Quorum Sensing terhadap *Enterobacter cloacae* dan *Aeromonas hydrophila*. Medan: Tesis Departemen Biologi. pp. 30.
- Meidany, W.M.E., Tayel1, D.I., dan El-Nawawy, A.A., (2018) Effect of *Moringa oleifera* water extract on pyrexia: a case study. *Can J Clin Nutr*. 6(2): 57-61.
- Miller, C.H., (2018) *Infection Control and Management of Hazardous Materials for the Dental Team*. Missouri: Elsevier. Pp. 8.
- Mittal, A., Sharma, M., David, A., Vishwakarma, P., Saini, M., Goel, M., dan Saxena, K.K., (2017) An experimental study to evaluate the anti-inflammatory effect of *Moringa oleifera* leaves in animal models. *IJBSP*. 6(2): 452-457.
- Momuat, L., Fatimah, F., Wehantouw, F., dan Mamondol, O., (2010) Efek pemanasan terhadap total antioksidan dari beberapa jenis sayuran tinutuan. *Chem Prog*. 3(2): 85-90.
- Nurisyah, H., (2017) Perbandingan rebusan dan tanpa rebusan daun kelor (*Moringa Oleifera*) terhadap aktivitas antioksidan dengan metode DPPH. *Media Farmasi*. 13(1): 40-45.
- Omay, C., dan Tufenkji, N., (2011) The swarming motility of *Pseudomonas aeruginosa* is blocked by cranberry proanthocyanidins and other tannin-containing materials. *mBio*. 77(9): 3061-3067.
- Ouellet, M.M., Leduc, A., Nadeau, C., Barbeau, J., dan Charette, S.J., (2015) *P. aeruginosa* isolates from dental unit waterlines can be divided in two distinct groups, including one displaying phenotypes similar to isolates from cystic fibrosis patients. *Front Microbiol*. 5: 1-11.
- Pandey, A., Pandey, R.D., Tripathi1, P., Gupta, P.P., Haider, J., Bhatt, S., dan Singh, A. V., (2012) *Moringa oleifera* a plant with a plethora of diverse therapeutic benefits: an updated retrospection. *J Med Aromat Plants*. 1(1): 1-8.
- Parker, S., (2010) *Kingdom classification cocci, spirilla & other bacteria*. London: David West Children's Book. pp. 44.
- Pattuju, S.M., Fatimawali, dan Manampiring, A., (2014) Identifikasi bakteri resisten merkuri pada urine, feses dan kalkulus gigi pada individu di kecamatan malalayang, Manado, Sulawesi utara. *eBM*. 2(2): 532-540.
- Putri, A.A., Rasyid, R., dan Rahmatini, (2014) Perbedaan sensitivitas kuman *P. aeruginosa* penyebab infeksi nosokomial terhadap beberapa antibiotika generik dan paten. *JKA*. 3(3): 327-331.
- Pollitt, E.J.G., dan Diggle, S.P., (2017) Defning motility in the *Staphylococci*. *Cell Mol Life Sci*. 74: 2943-2958.
- Quecan, B.X.V., Santos, J.T.C., Rivera1, M.L.C., Hassimotto, N.M.A., Almeida, F.A., dan Pinto, U.M., (2019) Effect of quercetin rich onion extracts on bacterial quorum sensing. *Front Microbiol*. 10: 1-16.
- Rahim, K., Saleha, S., Basit, A., Zhu, X., Ahmed, I., Huo, L., Zhang, P., Usman, B., Munir, S., dan Franco, O.L., (2017) *Pseudomonas aeruginosa* as a

- powerful biofilm producer and positive action of amikacin against isolates from chronic wounds. *Jundishapur J Microbiol.* 10(10): 1-6.
- Rauprich, O., Matsushita, M., Weijer, C.J., Siegert, F., Esipov, S.E., dan Shapiro, J. A., (1996) Periodic phenomena in *Proteus mirabilis* swarm colony development. *J Bacteriol.* 178(22): 6525-6538.
- Razis, A.F.A., Ibrahim, M.D., dan Kntayya, S.B., (2014) Health benefits of *Moringa oleifera*. *APJCP.* 15: 8571-8576.
- Retschlin, S., dan Bottcher, T., (2020) Inhibitors of Bacterial Swarming Behavior. *Chem Eur J.* 26: 964-979.
- Rieuwpassa, I.E., Yunus, M., dan Arsana, W.S., (2011) Identifikasi *Pseudomonas aeruginosa* dan tes sensitivitas siprofloksasin pada abses periodontal. *Dentofasial.* 10(3): 151-155.
- Roslizawaty, Ramadani, N.Y., Fakhurrazi, Herrialfian, (2013) Aktivitas Antibakterial Ekstrak Etanol dan Rebusan Sarang Semut (*Mymercodia* sp.) Terhadap Bakteri *Eschericia coli*. *J. Med. Vet.* 7(2):9111-914.
- Sabir, A., (2005) Aktivitas antibakteri flavonoid propolis *Trigona* sp terhadap bakteri *Streptococcus mutans* (in vitro). *Dental Journal.* 38(3): 135-141.
- Sachwiver, B., Surya, L.S., dan Elianora, D., (2018) Identifikasi bakteri pada 3 permukaan dental unit (bowl rinse, dental chair, instrument table) di RSGM Universitas Baiturrahmah tahun 2018. *Jurnal B-Dent.* 5(1): 65-71.
- Salehi, P., dan Sh, M.D., (2006) Comparison of The Antibacterial Effects of Persica Mouthwashes with Chlorhexidine on *Streptococcus Mutans* in Orthodontic Patients, *DARU journal*, 14(4): 178-182.
- Saraswati, D.K., Mukaromah, A.H., dan Wilson, W., (2019) Pigmen pyocyanine dari isolat *Pseudomonas aeruginosa* sebagai agen antibakteri terhadap Methicillin Resistant *Staphylococcus aureus* (MRSA). *Prosiding: Seminar Nasional Mahasiswa Unimus.* 2: 40-45.
- Sewel, A., Dunmire, J., Wehmann, M., Rowe, T., dan Bouhennis, R., (2014) Proteomic analysis of keratitis-associated *Pseudomonas aeruginosa*. *Mol Vis.* 20: 1182-1191.
- Shi, W., dan Sun, H., (2002) Type IV pilus-dependent motility and its possible role in bacterial pathogenesis. *Infect Immun.* 70(1): 1-4.
- Shrout, J.D., David, L.C., Collin, L.J., Morten, H., Michael, G., dan Matthew, R.P., (2006) The Impact of Quorum Sensing and swarming motility *Pseudomonas aeruginosa* biofilm formation is nutritionally conditional. *Mol Microbiol.* 62(5): 1264-1277.
- Soleha, T.U., (2015) Uji kepekaan terhadap antibiotic. *JK Unila.* 5(9): 119-123.
- Strateva, T., dan Yordanov, D., (2009) *P. aeruginosa* a phenomenon of bacterial resistance. *J Med Microbiol.* 58: 1133-1148.
- Suhartono, S., Ismail, Y.S., dan Muhayya, S.R., (2019) The interference of *Moringa oleifera* leaf extracts to modulate quorum sensing-facilitated virulence factors, *Biodiversitas.* 20(10): 3000-3004.
- Taher, M.A., Nyeem, M.A.B., Ahammed, M.M., Hossain, M.M., dan Islam, M.N., (2017) *Moringa oleifera* (shajna): the wonderful indigenous medicinal plant. *Asian J Med Biol Res.* 3(1): 20-30.

- Tambekar D.H., Gulhane P.B., Goyal K.S., dan Gulhane S.R., (2007) Prevalence of *Pseudomonas aeruginosa* in dental unit water lines. *Res J Microbiol.* 2(12): 983-987.
- Tortora, G.J., Funke, B.R., dan Case, C.L., (2013) *Microbiology an introduction*. 11thed. USA: Pearson. pp. 56, 82, 83, 84.
- Ugurlu, A., Yagci1, A.K., Ulusoy, S., Aksu, B., dan Tinaz, G.B., (2016) Phenolic compounds affect production of pyocyanin, swarming motility and biofilm formation of *Pseudomonas aeruginosa*. *Asian Pac J trop Biomed.* 6(8): 698-701.
- Vilas, A.M., (2013) *Worldwide research efforts in the fighting against microbial pathogens: from basic research to technological developments*. Florida: Brown Walker Press. pp. 8-10.
- Vipin, C., Mujeeburahaman, M., Ashwini1, P., Arun, A.B., dan Rekha, P.D., (2019) Anti-biofilm and Cytoprotective Activities of Quercetin Against *Pseudomonas aeruginosa* Isolates. *Lett Appl Microbiol.* 68: 464-471.
- Waggie, K.S., Kagiya, N., Allen, A.M., dan Nomura, T., (1994) *Manual of microbiologic monitoring of laboratory animals*. USA: U.S Department of Health and Human Services. pp. 151.
- Wargender, J., Neu, T.R., dan Flemming, H.C., (1999) *Microbial extracellular polymeric substances characterization structure and function*. Germany: Springer-Verlag Berlin Heidelberg. pp. 158.
- Willey, J.M., Sherwood, L.M., dan Woolverton, C.J., (2008) *Prescott, harley, and klein's microbiology*. 7thed. New York: McGraw-Hill Higher Education. pp. 67, 822.
- Winarno, F.G., (2002) *Kimia pangan dan gizi*. Jakarta: Gramedia pustaka Utama
- Wolska, K., Zabielska, K., Jakubczak, A., (2006) Effect of neuraminidase on adherence of *Pseudomonas aeruginosa* to human buccal epithelial cells inhibition of adhesion by monosaccharides. *Pol J Microbiol.* 55(1): 43-48.
- Wu, H., Lee, B., Yang, L., Wang, H., Givskov, M., Molin, S., Hoiby, N., dan Song, Z., Effects of ginseng on *P. aeruginosa* motility and biofilm formation, *FEMS Immunol Med Microbiol.* 62: 49-56.
- Wulansari, A., Aqlinia, M., Wijanarka, dan Raharjo, B., (2019) Isolasi bakteri endofit dari tanaman bangle (*Zingiber cassumunar roxb.*) dan uji aktivitas antibakterinya terhadap bakteri penyebab penyakit kulit *Staphylococcus epidermidis* dan *Pseudomonas aeruginosa*. *Berkala Bioteknologi.* 2(2): 25-36.
- Xu, L.Q., Zeng, J.W., Jiang, C.H., Wang, H., Li, Y.Z., Wen, W.H., Li, J.H., Wang, F., Ting, W.J., Sun, Z.Y., dan Huang, C.Y., (2017) Isolation and determination of four potential antimicrobial components from *Pseudomonas aeruginosa* extracts. *Int J Med Sci.* 14(13): 1368-1374.