

DAFTAR PUSTAKA

- Abdouchakour, F., Dupont, C., Grau, D., Aujoulat, F., Mournetas, P., Marchandin, H., Parer, S., Gibert, P., Valcarcel, J. dan Jumas-Bilak, E., (2015) *Pseudomonas Aeruginosa* and *Achromobacter sp.* Clonal Selection Leads to Successive Waves of Contamination of Water in Dental Care Units. *Applied And Environmental Microbiology*. 81(21): 7509–7524.
- Al-Hiyasat, A., Maayeh, S., Hindiyyeh, M. dan Khader, Y., (2007) The Presence of *Pseudomonas Aeruginosa* in The Dental Unit Waterline Systems of Teaching Clinics. *International Journal of Dental Hygiene*. 5(1): 36–44.
- Al-Jbouri, A.M.S., Abood, F.M., Hindi, N.K. dan Alkaim, A.F., (2018) Evaluation of Antimicrobial Activity of The Aquatic Extract Against Bacterial Isolates from Periodontitis in Babylon Province, Iraq. *Biochemical and Cellular Archives*. 18(1): 1345-1350.
- Alkhulaifi, M.M., Alshehri, J.H., Alwehaibi, M.A., Awad, M.A., Al-Enazi, N.M., Aldosari, N.S., Hatamleh, A.A. dan Abdel-Raouf, N., (2020) Green Synthesis of Silver Nanoparticles Using Citrus Limon Peels and Evaluation of Their Antibacterial and Cytotoxic Properties. *Saudi Journal of Biological Sciences*. 27(12): 3434–3441.
- Amaliah, R., Larnani, S. dan Wahyudi, I.A., (2012) Inhibition Effect of Cashew Stem Bark Extract (*Anacardium Occidentale L.*) on Biofilm Formation of *Streptococcus Sanguinis*. *Dental Journal (Majalah Kedokteran Gigi)*. 45(4): 212.
- Amly, D.A., Hajardhini, P., Jonarta, A.L., Yulianto, H.D.K. dan Susilowati, H., (2021) Enhancement of Pyocyanin Production by Subinhibitory Concentration of Royal Jelly in *Pseudomonas Aeruginosa*. *F1000Research 2021*, 10:14.
- Arciola, C.R., Campoccia, D. dan Montanaro, L., (2018) Implant Infections: Adhesion, Biofilm Formation and Immune Evasion. *Nature Reviews Microbiology*. 16(7): 397–409.
- Arora, S.K., Ritchings, B.W., Almira, E.C., Lory, S. dan Ramphal, R., 1998, The *Pseudomonas Aeruginosa* Flagellar Cap Protein, Flid, Is Responsible for Mucin Adhesion. *Infection and Immunity*. 66(3): 1000–1007.
- Asjad, H.M.M., Akhtar, M., Bashir, S., Din, B., Gulzar, F., Khalid, R. dan Bin Asad, M.H., (2013) Phenol, Flavonoid Contents and Antioxidant Activity of Six Common Citrus Plants in Pakistan. *Journal of Pharmaceutical and Cosmetic Sciences*. (1)1: 1-5.

- Azam, M.W. dan Khan, A.U., (2019) Updates on The Pathogenicity Status of *Pseudomonas Aeruginosa*. *Drug Discovery Today*. 24(1): 350–359.
- Barbot, V., Robert, A., Rodier, M.-H. dan Imbert, C., (2012) Update on Infectious Risks Associated with Dental Unit Waterlines. *FEMS Immunology and Medical Microbiology*. 65(2): 196–204.
- Beaussart, A., Baker, A.E., Kuchma, S.L., El-Kirat-Chatel, S., Otoole, G.A. dan Dufrêne, Y.F., (2014) Nanoscale Adhesion Forces of *Pseudomonas Aeruginosa* Type IV Pili. *ACS Nano*. 8(10): 10723–10733.
- Belas, R., (2014) Biofilms, Flagella, And Mechanosensing of Surfaces by Bacteria. *Trends in Microbiology*. 22(9): 517–527.
- Berne, C., Ellison, C.K., Ducret, A. dan Brun, Y.V., (2018) Bacterial Adhesion at The Single-Cell Level. *Nature Reviews Microbiology*. 16(10): 616–627.
- Borlee, B.R., Goldman, A.D., Murakami, K., Samudrala, R., Wozniak, D.J. dan Parsek, M.R., (2010) *Pseudomonas Aeruginosa* Uses a Cyclic-Di-GMP-Regulated Adhesin to Reinforce the Biofilm Extracellular Matrix. *Molecular Microbiology*. 75(4): 827–842.
- Cai, C., Chen, X., Li, Y. dan Jiang, Q. (2023) Advances in the Role of Sodium Hypochlorite Irrigant in Chemical Preparation of Root Canal Treatment. *BioMed Research International*, 2023: 1–17.
- Castillo, S., Heredia, N., Arechiga-Carvajal, E. dan García, S., (2014) Citrus Extracts as Inhibitors of Quorum Sensing, Biofilm Formation and Motility of *Campylobacter Jejuni*. *Food Biotechnology*. 28(2): 106–122.
- Chaturvedi, D. dan Shrivastava Suhane, R.R.N., (2016) Basketful Benefit of *Citrus Limon*. *International Research Journal of Pharmacy*. 7(6): 1–4.
- Chegini, Z., Khoshbayan, A., Taati Moghadam, M., Farahani, I., Jazireian, P. dan Shariati, A., (2020) Bacteriophage Therapy Against *Pseudomonas Aeruginosa* Biofilms: A Review. *Annals of Clinical Microbiology and Antimicrobials*. 19(1): 45.
- Colombo, A.P.V., Magalhães, C.B., Hartenbach, F.A.R.R., Martins Do Souto, R. dan Maciel Da Silva-Boghossian, C., (2016) Periodontal-Disease-Associated Biofilm: A Reservoir for Pathogens of Medical Importance. *Microbial Pathogenesis*. 94, 27–34.
- Craig, L., Forest, K.T. dan Maier, B., (2019) Type IV Pili: Dynamics, Biophysics and Functional Consequences. *Nature Reviews Microbiology*. 17(7): 429–440.

- Cushnie, T.P.T. dan Lamb, A.J. (2011). Recent advances in understanding the antibacterial properties of flavonoids. *International Journal of Antimicrobial Agents*, 38(2): pp.99–107.
- Czech, A., Malik, A., Sosnowska, B. dan Domaradzki, P., (2021) Bioactive Substances, Heavy Metals, and Antioxidant Activity in Whole Fruit, Peel, and Pulp of Citrus Fruits. *International Journal of Food Science*. 2021, 1–14.
- Das, T., Kutty, S.K., Kumar, N. dan Manefield, M., (2013) Pyocyanin Facilitates Extracellular DNA Binding to *Pseudomonas Aeruginosa* Influencing Cell Surface Properties and Aggregation. *Plos ONE*. 8(3): E58299.
- Diggle, S.P. dan Whiteley, M., (2020) Microbe Profile: *Pseudomonas Aeruginosa*: Opportunistic Pathogen and Lab Rat. *Microbiology*. 166(1): 30–33.
- Dosoky, N. dan Setzer, W., (2018) Biological Activities and Safety of Citrus Spp. Essential Oils. *International Journal of Molecular Sciences*. 19(7): 1966.
- Fukuzaki, S., (2006) Mechanisms of Actions of Sodium Hypochlorite in Cleaning and Disinfection Processes. *Biocontrol Science*. 11(4): 147-157.
- Goetz, P., (2014) *Citrus Limon* (L.) Burm. F. (Rutacées) Citronnier. *Phytothérapie*. 12(2): 116–121.
- Gosal, L., Hutomo, S. dan Sooai, C.M., (2021) Garlic (*Allium Sativum* L.) Ethanollic Extract Capability to Inhibit *Pseudomonas Aeruginosa* Biofilm Formation. *Journal of Medicine and Health*. 3(1): 1–8.
- Gunardi, W.D., (2017) Mekanisme Biomolekuler *Pseudomonas Aeruginosa* dalam Pembentukan Biofilm dan Sifat Resistensi terhadap Antibiotika. *Jurnal Kedokteran Meditek*. 22(59): 1-7.
- Haida, Z., Ab Ghani, S., Juju Nakasha, J. dan Hakiman, M., (2022) Determination of Experimental Domain Factors of Polyphenols, Phenolic Acids and Flavonoids of Lemon (*Citrus Limon*) Peel Using Two-Level Factorial Design. *Saudi Journal of Biological Sciences*. 29(1): 574–582.
- Hajardhini, P., Susilowati, H. dan Yulianto, H.D.K., (2020) Rongga Mulut sebagai Reservoir Potensial untuk Infeksi *Pseudomonas Aeruginosa*. *ODONTO: Dental Journal*. 7(2): 125-133.
- Henderson, A.H., Fachrial, E. dan Lister, I.N.E., (2018) Antimicrobial Activity of Lemon (*Citrus Limon*) Peel Extract Against *Escherichia Coli*. *ASRJETS*. 39(1): 268-273.

- Hidayat, M.Z.S., Roestijawati, N., Satrio, R. dan Prihastuti, C., (2018) Bakteri Penyebab Infeksi Nosokomial di Rumah Sakit Gigi dan Mulut Universitas Jenderal Soedirman. 8(1): 187-193.
- Janati, S.S.F., Beheshti, H.R., Feizy, J. dan Fahim, N.K., (2012) Chemical Composition of Lemon (*Citrus Limon*) and Peels its Considerations as Animal Food. *GIDA-Journal of Food*. 37(5): 267-271.
- Katsikogianni, M. dan Missirlis, Y., (2004) Concise Review of Mechanisms of Bacterial Adhesion to Biomaterials and of Techniques Used in Estimating Bacteria-Material Interactions. *European Cells and Materials*. 8: 37–57.
- Khasanah, I., (2014) Ekstrak Etanol Daun Kersen (*Muntingia Calabura L.*) Sebagai Antibakteri Terhadap *Streptococcus Agalactiae* Penyebab Mastitis Subklinis pada Sapi Perah. *Universitas Brawijaya*
- Krasowska, A. dan Sigler, K., (2014) How Microorganisms Use Hydrophobicity and What Does this Mean For Human Needs?. *Frontiers in Cellular and Infection Microbiology*. 4(112): 1-7.
- Kumar, S. dan Pandey, A.K., (2013) Chemistry and Biological Activities of Flavonoids: An Overview. *The Scientific World Journal*. 2013, 1–16.
- Kurniwati, I.E., Handajani, J. dan Tandelilin, R.TC., (2007) Streptococcus Alpha Growth in Gingivitis Patients Dental Plaque After Rinsing with Green Tea Extract (*Camellia Sinensis*). *Padjadjaran Journal of Dentistry*. 18(1): 13-19.
- Larian, N., Ensor, M., Thatcher, S.E., English, V., Morris, A.J., Stromberg, A. dan Cassis, L.A., (2019) *Pseudomonas Aeruginosa*-Derived Pyocyanin Reduces Adipocyte Differentiation, Body Weight, And Fat Mass as Mechanisms Contributing to Septic Cachexia. *Food And Chemical Toxicology*. 130, 219–230.
- Laverty, G., Gorman, S. dan Gilmore, B., (2014) Biomolecular Mechanisms of *Pseudomonas Aeruginosa* and *Escherichia Coli* Biofilm Formation. *Pathogens*. 3(3): 596–632.
- Maharani, K.H., (2023) MOTILITAS TWITCHING BAKTERI *Pseudomonas aeruginosa* ATCC 10145 AKIBAT PAPARAN EKSTRAK KULIT LEMON (*Citrus Limon*) In Vitro. *Universitas Gadjah Mada*. Yogyakarta.
- Moosavy, M.H., Hassanzadeh, P., Mohammadzadeh, E., Mahmoudi, R., Khatibi, S.A. dan Mardani, K., (2017) Antioxidant and Antimicrobial Activities of Essential Oil of Lemon (*Citrus Limon*) Peel in Vitro and in a Food Model. *Journal of Food Quality and Hazards Control*. 4: 42-48.

- Mohammadi, Z., (2008) Sodium hypochlorite in endodontics: an update review. *International Dental Journal*. (2008)58: 329-341.
- Noor Mutsaqof, A.A., Wiharto dan Suryani, E., (2016) Sistem Pakar untuk Mendiagnosis Penyakit Infeksi Menggunakan Forward Chaining. *Jurnal Teknologi dan Informasi Itsmart*. 4(1): 43-47.
- Oliveira, A.C. De, Maluta, R.P., Stella, A.E., Rigobelo, E.C., Marin, J.M. dan Ávila, F.A. De, (2008) Isolation of *Pseudomonas Aeruginosa* Strains from Dental Office Environments and Units in Barretos, State of São Paulo, Brazil, and Analysis of Their Susceptibility to Antimicrobial Drugs. *Brazilian Journal of Microbiology*. 39(3): 579–584.
- Otang, W.M. dan Afolayan, A.J., (2016) Antimicrobial and Antioxidant Efficacy of *Citrus Limon L.* Peel Extracts Used for Skin Diseases by Xhosa Tribe of Amathole District, Eastern Cape, South Africa. *South African Journal of Botany*. 102: 46–49.
- Palleroni, N.J., (2010) The *Pseudomonas* Story. *Environmental Microbiology*, 12(6): 1377–1383.
- Periasamy, S., Nair, H.A.S., Lee, K.W.K., Ong, J., Goh, J.Q.J., Kjelleberg, S. dan Rice, S.A., (2015) *Pseudomonas Aeruginosa* PAO1 Exopolysaccharides are Important for Mixed Species Biofilm Community Development and Stress Tolerance. *Frontiers in Microbiology*. 6(851): 1-10.
- Pires, D.P., Sillankorva, S. dan Azeredo, J., (2011) Use of newly isolated phages for control of *Pseudomonas aeruginosa* PAO1 and ATCC 10145 biofilms. *Research in Microbiology*. 162(8): 798-806.
- Postel, S., Deredge, D., Bonsor, D.A., Yu, X., Diederichs, K., Helmsing, S., Vromen, A., Friedler, A., Hust, M., Egelman, E.H., Beckett, D., Wintrode, P.L. dan Sundberg, E.J., (2016) Bacterial Flagellar Capping Proteins Adopt Diverse Oligomeric States. *Elife*. 5, E18857.
- Prabajati, R., Hernawan, I. dan Hendarti, H.T., (2017) Effects of Citrus Limon Essential Oil (*Citrus Limon L.*) on Cytomorphometric Changes of *Candida Albicans*. *Dental Journal (Majalah Kedokteran Gigi)*. 50(1): 43.
- Prihanti, G.S., (2016) *Pengantar Biostatistik*, Malang: UMM Press, 12-14.
- Purwaningsih, S.E., Indriastuti, D., Syahwal, M. dan Asrul, M., (2019) Hubungan Pengetahuan dengan Penerapan Lima Waktu Cuci Tangan Pada Perawat di Unit Rawat Inap Blud RS Konawe Selatan. *Jurnal Keperawatan STIKES Karya Kesehatan*. 3(2): 48-53.
- Putra, A.H., Corvianindya, Y., dan Wahyukundari, M.A., (2017) Uji Aktivitas Antibakteri Ekstrak Etanol Daun Kamboja Putih (*Plumeria acuminata*)

- Terhadap Pertumbuhan *Streptococcus mutans*, *e-Jurnal Pustaka Kesehatan*, 5(3): 449-453.
- Rabin, N., Zheng, Y., Opoku-Temeng, C., Du, Y., Bonsu, E. dan Sintim, H.O., (2015) Biofilm Formation Mechanisms and Targets for Developing Antibiofilm Agents. *Future Medicinal Chemistry*. 7(4): 493–512.
- Ramschie, L., Suling, P.L. dan Siagian, K.V., (2017) Uji Konsentrasi Hambat Minimum (KHM) Ekstrak Daun Mengkudu (*Morinda Citrifolia* L.) Terhadap *Candida Albicans* Secara *In Vitro*. *E-GIGI*. 5(2): 184-189.
- Rasamiravaka, T., Labtani, Q., Duez, P. dan El Jaziri, M., (2015) The Formation of Biofilms by *Pseudomonas Aeruginosa*: A Review of The Natural and Synthetic Compounds Interfering With Control Mechanisms. *BioMed Research International*. 2015: 1–17.
- Remington, T., Jahnke, N. dan Harkensee, C., (2016) Oral Anti-Pseudomonal Antibiotics for Cystic Fibrosis. *Cochrane Database of Systematic Reviews*. 2016(7).
- Remold, S.K., Brown, C.K., Farris, J.E., Hundley, T.C., Perpich, J.A. dan Purdy, M.E., (2011) Differential Habitat Use and Niche Partitioning by *Pseudomonas* Species in Human Homes. *Microbial Ecology*. 62(3): 505–517.
- Renner, L.D. dan Weibel, D.B., (2011) Physicochemical Regulation of Biofilm Formation. *MRS Bulletin*. 36(5): 347–355.
- Rieuwpassa, I.E., Yunus, M. dan Arsana, I.W.S., (2011) Identifikasi *Pseudomonas Aeruginosa* dan Tes Sensitivitas Siprofloksasin pada Abses Periodontal. *Journal of Dentomaxillofacial Science*. 10(3): 151-155.
- Sebastiani, F.R., Dym, H. dan Kirpalani, T., (2017) Infection Control in the Dental Office. *Dental Clinics of North America*. 61(2): 435–457.
- Soedarto, (2015) *Mikrobiologi Kedokteran*, CV Sagung Seto, Jakarta. pp. 335-340.
- Sun, Y., Chen, S., Zhang, C., Liu, Y., Ma, L. dan Zhang, X., (2018) Effects of Sub-Minimum Inhibitory Concentrations of Lemon Essential Oil on the Acid Tolerance and Biofilm Formation of *Streptococcus Mutans*. *Archives of Oral Biology*. 87: 235–241.
- Suryafly, F.D., dan Aziz, I.R., (2019) Enkapsulasi Minyak Atsiri Lemon (*Citrus Limon*) Menggunakan Penyalut B-Siklodekstrin Terasetilasi (Sebuah Review). *Prosiding Seminar Nasional Biodiversitas Indonesia*. 5(1): 25–27.
- Tandelilin, R.T., (2017) Maturation Index Assessment of Sodium Tripolyphosphate and Tetra Potassium Pyrophosphate Based Calculus Dissolution

- Mouthrinse (Periogen®) in Moderate Gingivitis Patients: A Histopathological Study. *Journal of Dental Health, Oral Disorders & Therapy*. 6(6).
- Tashiro, Y., Yawata, Y., Toyofuku, M., Uchiyama, H. dan Nomura, N., (2013) Interspecies Interaction Between *Pseudomonas Aeruginosa* and Other Microorganisms. *Microbes and Environments*. 28(1): 13–24.
- Teanpaisan, R., Kawsud, P., Pahumunto, N. dan Puripattanavong, J., (2017) Screening for Antibacterial and Antibiofilm Activity in Thai Medicinal Plant Extracts Against Oral Microorganisms, *Journal of Traditional and Complementary Medicine*. 7(2): 172–177.
- Thi, M.T.T., Wibowo, D. dan Rehm, B.H.A., (2020) *Pseudomonas Aeruginosa* Biofilms. *International Journal of Molecular Sciences*. 21(22): 8671.
- Tortora, G.J., Funke, B.R. dan Case, C.L., (2019) *Microbiology: An Introduction*, 13th ed. Pearson. Boston. p. 590.
- Toyofuku, M., Inaba, T., Kiyokawa, T., Obana, N., Yawata, Y. dan Nomura, N., (2016) Environmental Factors that Shape Biofilm Formation. *Bioscience, Biotechnology, and Biochemistry*. 80(1): 7–12.
- Trentin, D.S., Silva, D.B., Amaral, M.W., Zimmer, K.R., Silva, M.V., Lopes, N.P., Giordani, R.B. dan Macedo, A.J., (2013) Tannins Possessing Bacteriostatic Effect Impair *Pseudomonas Aeruginosa* Adhesion and Biofilm Formation. *Plos ONE*. 8(6): 1-13.
- Tuson, H.H. dan Weibel, D.B., (2013) Bacteria–Surface Interactions. *Soft Matter*. 9(17): 4368-4380.
- Verdiana, M., Widarta, I.W.R. dan Permana, I.D.G.M., (2018) Pengaruh Jenis Pelarut pada Ekstraksi Menggunakan Gelombang Ultrasonik terhadap Aktivitas Antioksidan Ekstrak Kulit Buah Lemon (*Citrus Limon* (Linn.) *Burm F.*). *Jurnal Ilmu dan Teknologi Pangan (ITEPA)*. 7(4): 213-222.
- Viedma, E., Juan, C., Villa, J., Barrado, L., Orellana, M.Á., Sanz, F., Otero, J.R., Oliver, A. dan Chaves, F., (2012) VIM-2–Producing Multidrug-Resistant *Pseudomonas Aeruginosa* ST175 Clone, Spain. *Emerging Infectious Diseases*. 18(8): 1235-1241.
- Vimal, M., Vijaya, P.P., Mumtaj, P. dan Farhath, M.S.S., (2013) Antibacterial Activity of Selected Compounds of Essential Oils from Indigenous Plants. *Journal of Chemical and Pharmaceutical Research*. 5(1):248-253.
- Wang, Y., Lee, S.M. dan Dykes, G.A., (2013) Potential Mechanisms for the Effects of Tea Extracts on the Attachment, Biofilm Formation and Cell Size of *Streptococcus Mutans*. *Biofouling*. 29(3): 307–318.

- Werneburg, G.T. dan Thanassi, D.G., (2018) Pili Assembled by the Chaperone/Usher Pathway in *Escherichia Coli* and *Salmonella. Ecosal Plus*. 8(1): 1-56.
- Winkelhoff, A.J. Van, Rurenga, P., Wekema-Mulder, G.J., Singadji, Z.M. dan Rams, T.E., (2016) Non-Oral Gram-Negative Facultative Rods in Chronic Periodontitis Microbiota. *Microbial Pathogenesis*. 94, 117–122.
- Wu, T., Zang, X., He, M., Pan, S. dan Xu, X., (2013) Structure–Activity Relationship of Flavonoids on Their Anti-*Escherichia Coli* Activity and Inhibition of DNA Gyrase. *Journal of Agricultural and Food Chemistry*. 61(34): 8185–8190.
- Wulansari, A., Aqlinia, M., Wijanarka, W. dan Raharja, 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*, 0(0).
- Xie, Y., Yang, W., Tang, F., Chen, X. dan Ren, L., (2014) Antibacterial Activities of Flavonoids: Structure-Activity Relationship and Mechanism. *Current Medicinal Chemistry*. 22(1): 132–149.
- Yoon, H.Y. and Lee, S.Y. (2018) Susceptibility of bacteria isolated from dental unit waterlines to disinfecting chemical agents. *The Journal of General and Applied Microbiology*, 64(6): 269–275.
- Zakaria, A.A. dan Sofiana, L., (2018) Correlation Between Nurse Knowledge and Attitude with Hand Hygiene Compliance. *Jurnal Kedokteran dan Kesehatan Indonesia*. 9(2): 74–81.
- Zhao, F., Wang, Q., Zhang, Y. dan Lei, L., (2021) Anaerobic Biosynthesis of Rhamnolipids by *Pseudomonas Aeruginosa*: Performance, Mechanism and Its Application Potential for Enhanced Oil Recovery. *Microbial Cell Factories*. 20(1): 1-12.