

DAFTAR PUSTAKA

- Agahi, R. H., Hashemipour, M. A., Kalantari, M., Ayatollah-mosavi, A., dan Aghassi, H., (2014) Effect of 0.2% chlorhexidine on microbial and fungal contamination of dental unit waterlines. *Dental Research Journal*. 11(3): 351–356.
- Agarwal, P., Nagesh, L., dan Murlikrishnan., (2010) Evaluation of the antimicrobial activity of various concentrations of Tulsi (*Ocimum sanctum*) extract against *Streptococcus mutans*: An in vitro study. *Indian Journal of Dental Research*. 21(3): 357–359.
- Al-Hiyasat, A. S., Ma'ayeh, S. Y., Hindiye, M. Y., dan Khader, Y. S., (2007) The presence of *Pseudomonas aeruginosa* in the dental unit waterline systems of teaching clinics. *International Journal of Dental Hygiene*. 5(1): 36–44.
- Almatroodi, S. A., Alsahli, M. A., Almatroudi, A., dan Rahmani, A. H., (2020) *Ocimum sanctum*: Role in diseases management through modulating various biological activity. *Pharmacognosy Journal*. 12(5): 1198–1205.
- Amzil, K., Hamadi, F., Mimouni, R., Latrache, H., Azelmad, K., Najih, Y., dan Mabrouki, M., (2019) Evaluation of sodium hypochlorite efficiency on the elimination of *Pseudomonas aeruginosa* biofilm using two methods. *Russian Open Medical Journal*. 8(1): 1-7.
- Angelina, M., Turnip, M., Khotimah, S., Biologi, P. S., dan Tanjungpura, U., (2015) Uji Aktivitas Antibakteri Ekstrak Etanol Daun Kemangi (*Ocimum sanctum* L.) Terhadap Pertumbuhan Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *Jurnal Elektronik Biologi*. 4(1): 184–189.
- Anupama, P., Avinash, K., Digambar, N., dan Asawari, K., (2018) Antimicrobial activity of *Ocimum sanctum* and *Jasmine officinalae* on selected bacteria. *Bioscience Discovery*. 9(4), 485–488.
- Arai, H., (2011) Regulation and function of versatile aerobic and anaerobic respiratory metabolism in *Pseudomonas aeruginosa*. *Frontiers in Microbiology*. 2(103), 1–13.
- Cushnie, T. P. T., dan Lamb, A. J., (2005) Antimicrobial activity of flavonoids. *International Journal of Antimicrobial Agents*. 26(5), 343–356.
- Detami, N., Ballo, S., Indriarini, D., Lidesna, A., dan Amat, S., (2021) Uji Aktivitas Anti Bakteri Ekstrak Etanol Daun Kemangi (*Ocimum Sanctum* L.) Terhadap Pertumbuhan Bakteri *Staphylococcus Aureus* Secara In Vitro. Uji Aktivitas

Anti Bakteri Cendana Medical Journal. 21(1): 85–93.

Diggle, S. P., dan Whiteley, M. (2020), Microbe profile: *Pseudomonas aeruginosa*: Opportunistic pathogen and lab rat. *Microbiology (United Kingdom)* 166(1): 30–33.

Estrela, C., Estrela, C. R. A., Barbin, E. L., Spanó, J. C. E., Marchesan, M. A., dan Pécora, J. D., (2002) Mechanism of action of sodium hypochlorite. *Brazilian Dental Journal*. 13(2): 113–117.

Filloux, A., dan Ramos, J. L. (2014), *Pseudomonas* methods and protocols. London: Humana Press.

Frangipani, E., Slaveykova, V. I., Reimann, C., dan Haas, D., (2008) Adaptation of aerobically growing *Pseudomonas aeruginosa* to copper starvation. *Journal of Bacteriology*. 190(20): 6706–6717.

Ghosh, P., Pogue, C. B., Nan, B., dan Mandadapu, K. K., (2019) Mechanisms for bacterial gliding motility on soft substrates. *PNAS*, 116(50): 25087–25096.

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.

Haque, M., Sartelli, M., McKimm, J., dan Bakar, M. A. (2018) Health care-associated infections – An overview. *Infection and Drug Resistance*. 11: 2321–2333.

Huszczynski, S. M., Lam, J. S., dan Khursigara, C. M. (2020) The role of *Pseudomonas aeruginosa* lipopolysaccharide in bacterial pathogenesis and physiology. *Pathogens*. 9(1): 1–22.

Jane Belinda, T., dan Muralidharan, N. P., (2015) An efficacy of sodium hypochlorite in disinfecting the contaminated dental instruments. *Journal of Pharmaceutical Sciences and Research*. 7(8): 563–565.

Jawetz, Melnick, dan A., (2015) *Jawetz, Melnick, dan Adelberg's Medical Microbiology*. 27th ed. New York: McGraw-Hill.

Khan, F., Pham, D. T. N., Oloketuyi, S. F., dan Kim, Y. M. (2020) Regulation and controlling the motility properties of *Pseudomonas aeruginosa*. *Applied Microbiology and Biotechnology*. 104(1): 33–49.

Khan, H. A., Baig, F. K., dan Mehboob, R. (2017) Nosocomial infections: Epidemiology, prevention, control and surveillance. *Asian Pacific Journal of*

Tropical Biomedicine. 7(5): 478–482.

Kumar, S., (2016) *Essentials of Microbiology*. New Delhi: Jaypee Brothers Medical Publisher.

Lahiri, D., Nag, M., Dutta, B., Dey, S., Mukherjee, D., Joshi, S. J., dan Ray, R. R. (2021) Antibiofilm and anti-quorum sensing activities of eugenol and linalool from *Ocimum tenuiflorum* against *Pseudomonas aeruginosa* biofilm. *Journal of Applied Microbiology*. 131(6): 2821–2837.

Larasati, D. A., dan Apriliana, E., (2016) Efek Potensial Daun Kemangi (*Ocimum basilicum* L.) sebagai Pemanfaatan Hand Sanitizer. *Jurnal Majority*. 5(5): 124–129.

Li, Y., Bai, F., Xia, H., Zhuang, L., Xu, H., Jin, Y., Zhang, X., Bai, Y., dan Qiao, M., (2015) A novel regulator PA5022 (*aefA*) is involved in swimming motility, biofilm formation and elastase activity of *Pseudomonas aeruginosa*. *Microbiological Research*. 176: 14–20.

Li, Y., Qu, H. P., Liu, J. L., dan Wan, H. Y. (2014) Correlation between group behavior and quorum sensing in *Pseudomonas aeruginosa* isolated from patients with hospital acquired pneumonia. *Journal of Thoracic Disease*. 6(6): 810–817.

Liao, C., Huang, X., Wang, Q., Yao, D., dan Lu, W. (2022), Virulence Factors of *Pseudomonas aeruginosa* and Antivirulence Strategies to Combat Its Drug Resistance. *Frontiers in Cellular and Infection Microbiology*. 12(7): 1–17.

Lineback, C. B., Nkemngong, C. A., Wu, S. T., Li, X., Teska, P. J., dan Oliver, H. F., (2018) Hydrogen peroxide and sodium hypochlorite disinfectants are more effective against *Staphylococcus aureus* and *Pseudomonas aeruginosa* biofilms than quaternary ammonium compounds. *Antimicrobial Resistance and Infection Control*. 7(1): 1–7.

Tortora, G. J., Funke, B. R., Case, C. L., (2019) *Microbiology: An Introduction*. 13th ed. USA: Pearson Education.

M., S., KR, S., B., S., G., V., S., R., K., S., dan K, M., (2016) *Ocimum sanctum*: a review on the pharmacological properties. *International Journal of Basic and Clinical Pharmacology*. 5(3): 558–565.

Madigan, T., Stahl, D., Bender, K. ., Buckley, D. H., dan Satley, M. (2017) *Brock Biology of Microorganism*. USA: Pearson.

Madukoma, C. S., Liang, P., Dimkovikj, A., Chen, J., Lee, S. W., Chen, D. Z., dan

- Shrout, J. D., (2019) Single Cells Exhibit Differing Behavioral Phases during Early Stages of *Pseudomonas aeruginosa* Swarming. *Journal of Bacteriology*. 201(19): 1-11.
- Marshall, M. V., Cancro, L. P., dan Fischman, S. L., (1995) Hydrogen Peroxide: A Review of Its Use in Dentistry, *The Journal of Periodontology*. 66(9): 789-769.
- Mishra, P., dan Mishra, S., (2011) Study of antibacterial activity of *Ocimum sanctum* extract against gram positive and gram negative bacteria. In *American Journal of Food Technology*. 6(4): 336–341.
- Mittal, R., Kumar, R., dan Hs, C., (2018) Antimicrobial activity of *Ocimum sanctum* leaves extracts and oil. *Journal of Drug Delivery and Therapeutics*. 8(6): 201–204.
- Murray, T. S., dan Kazmierczak, B. I., (2008) *Pseudomonas aeruginosa* exhibits sliding motility in the absence of type IV pili and flagella. *Journal of Bacteriology*. 190(8):2700–2708.
- Palma, V., Vargas, O., Parthasarathy, R., dan Navarrete, P., (2022) Methods to Evaluate Bacterial Motility and Its Role in Bacterial – Host Interactions. *Microorganism*. 10(563): 1–14.
- Pawar, A., Garg, S., Mehta, S., dan Dang, R., (2016) Breaking the Chain of Infection: Dental Unit Water Qualify Control, *Journal of Clinical and Diagnostic Research*. 10(7): 80-84.
- Putu, N., dan Citra, E., (2022) Aktivitas Antibakteri Ekstrak Daun Kemangi sebagai Hand Sanitizer Ramah Lingkungan. *Prosiding Workshop dan Seminar Nasional Farmasi*. 1(1): 579–589.
- Qin, S., Xiao, W., Zhou, C., Pu, Q., Deng, X., Lan, L., Liang, H., Song, X., dan Wu, M., (2022) *Pseudomonas aeruginosa*: pathogenesis, virulence factors, antibiotic resistance, interaction with host, technology advances and emerging therapeutics. *Signal Transduction and Targeted Therapy*. 7(1): 1–27.
- Rahmah, S., Lipoeto, N. I., dan Nismal, H., (2017) Identifikasi Bakteri Pada Air Di Waterline (Saluran Air) Dental Unit Rumah Sakit Gigi Dan Mulut (Rsgm) Fakultas Kedokteran Gigi Universitas Andalas. *Andalas Dental Journal*. 5(1): 40–48.
- Rios-Castillo, A. G., Gonzales-Rivas, F., dan Rodriguez-Jerez, J. J., (2017) Bactericidal Efficacy of Hydrogen Peroxide-Based Disinfectant Against Gram-Positive and Gram-Negative Bacteria on Stainless Steel Surfaces,

Journal of Food Sciences. 82(10): 2351-2356.

- Rocha, A. J., De Oliveira Barsottini, M. R., Rocha, R. R., Laurindo, M. V., De Moraes, F. L. L., dan Da Rocha, S. L., (2019) *Pseudomonas aeruginosa*: Virulence factors and antibiotic resistance Genes. *Brazilian Archives of Biology and Technology*. 62: 1–15.
- Romadhani, D. F., Fahmy, A. H., Alam, I. P., dan Salim, H. M., (2020) Bactericidal Effects of Extract Basil Leaves in In-vitro Study of *Pseudomonas aeruginosa*. *Biomolecular and Health Science Journal*. 3(2) 105.
- Romana, F., Supadmi, S., Jenderal, U., Yani, A., Brawijaya, J., Barat, R. R., Jenderal, U., Yani, A., Brawijaya, J., dan Barat, R. R., (2020) Uji Aktivitas Antibakteri Ekstrak Daun Kemangi (*Ocimum sanctum* L.) Terhadap Bakteri *Staphylococcus epidermidis* ATCC 12228. *Media Ilmu Kesehatan*. 9(3): 225–230.
- Saeki, E. K., Yamada, A. Y., de Araujo, L. A., Anversa, L., Garcia, D. de O., de Souza, R. L. B., Martins, H. M., Kobayashi, R. K. T., dan Nakazato, G., (2021) Subinhibitory Concentrations of Biogenic Silver Nanoparticles Affect Motility and Biofilm Formation in *Pseudomonas aeruginosa*. *Frontiers in Cellular and Infection Microbiology*. 11(656984): 1–10.
- Sekhi, R. J. (2022) *Pseudomonas aeruginosa*: a Review Article. *European Scholar Journal (ESJ)* 3(3): 78–84.
- Semmler, A. B. T., Whitchurch, C. B., dan Mattick, J. S., (1999) A re-examination of twitching motility in *Pseudomonas aeruginosa*. *Microbiology*. 145(10): 2863–2873.
- Silva, V. A., Da Sousa, J. P., De Luna Freire Pessôa, H., De Freitas, A. F. R., Coutinho, H. D. M., Alves, L. B. N., dan Lima, E. O., (2016) *Ocimum basilicum*: Antibacterial activity and association study with antibiotics against bacteria of clinical importance. *Pharmaceutical Biology*. 54(5): 863–867.
- Souto, R., Silva-Boghossian, C. M., dan Colombo, A. P. V., (2014) Prevalence of *Pseudomonas aeruginosa* and *Acinetobacter spp.* in subgingival biofilm and saliva of subjects with chronic periodontal infection. *Brazilian Journal of Microbiology*. 45(2): 495–501.
- Srinivas Naik, L., Shyam, P., Paul Marx, K., Baskari, S., dan Devi, C. V. R., (2015) Antimicrobial activity and phytochemical analysis of *Ocimum tenuiflorum* leaf extract. *International Journal of PharmTech Research*. 8(1): 88–95.
- Stickland, H. G., Davenport, P. W., Lilley, K. S., Griffin, J. L., dan Welch, M.,

(2010) Mutation of *nfxB* causes global changes in the physiology and metabolism of *Pseudomonas aeruginosa*. *Journal of Proteome Research*. 9(6): 2957–2967.

Tuon, F. F., Dantas, L. R., Suss, P. H., dan Tasca Ribeiro, V. S., (2022) Pathogenesis of the *Pseudomonas aeruginosa* Biofilm: A Review. *Pathogens*. 11(3): 1-19.

Sulistiani, S., Nurwanti, W., Nurrochman, A., dan Mardiyanti, R. D., (2022) Lysol 50% And 70% Ingredients Against Bacteria In Dental Mumm Contains Unit After Dental Care Action. *Journal of Applied Health Management and Technology*. 4(1), 33–35.

Utami, P. W., Syaflida, R., dan Siregar, I. B., (2021) Laporan penelitian Pengaruh ekstrak daun kemangi (*Ocimum basilicum* L) terhadap *Staphylococcus aureus* di rongga mulut. *Jurnal Kedokteran Gigi Padjadjaran*. 33(1): 38-43.

Vater, S. M., Weiße, S., Maleschlijski, S., Lotz, C., Koschitzki, F., Schwartz, T., Obst, U., dan Rosenhahn, A., (2014) Swimming behavior of *Pseudomonas aeruginosa* studied by holographic 3D tracking. *PLoS ONE*. 9(1): 1-11.

Yadav, R. N., Kayesth, S., Arora, J., Bhalla, M., Gupta, K. K., Shazad, M., Dey, A., Nissapatorn, V., Verma, A. K., dan Dewan, R. K., (2022) Potential of *Ocimum sanctum* to Inhibit the Growth of *Pseudomonas aeruginosa*, a Disease-causing micro-organism. *Indian Journal of Pharmaceutical Education and Research*. 56(3): 816–821.

Zanetti, F., Luca, G. D., Tarlazzi, P., dan Stampi, S., (2003) Decontamination of Dental Unit Water Systems with Hydrogen Peroxide, *Letters in Applied Microbiology*. 37: 201-206.

Zegadło, K., Gieroń, M., Żarnowiec, P., Durlík-Popińska, K., Kręcisz, B., Kaca, W., dan Czerwonka, G., (2023) Bacterial Motility and Its Role in Skin and Wound Infections. *International Journal of Molecular Sciences*. 24(2): 1–12.