

DAFTAR PUSTAKA

- Abraham, S., Raj, J. D., & Venugopal, M. (2015). Endodontic irrigants: A comprehensive review. *Journal of Pharmaceutical Sciences and Research*, 7(1), 5–9.
- Adnina, A. S. (2020). *Efek Rebusan Daun Kemangi (*Ocimum basilicum L.*) terhadap Hidrofobisitas Bakteri *Streptococcus mutans* ATCC 25175 (IN VITRO)* (Doctoral dissertation, Universitas Gadjah Mada).
- Almatroodi, S. A., Alsahli, M. A., Almatroudi, A., & Rahmani, A. H. (2020). *Ocimum sanctum*: Role in Diseases Management through Modulating Various Biological Activity. *Pharmacognosy Journal*, 12(5), 1198–1205.
- Angelina, M., Turnip, M., & Khotimah, S. (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.
- Arifianti, L., Oktarina, R. D., & Kusumawati, I. (2014). Pengaruh jenis pelarut pengestraksi terhadap kadar sinensetin dalam ekstrak daun *Orthosiphon stamineus Benth.* *E-Journal Planta Husada*, 2(1), 1-4.
- Azimi, S., Thomas, J., Cleland, S. E., Curtis, J. E., Goldberg, J. B., & Diggle, S. P. (2021). O-specific Antigen-dependent Surface Hydrophobicity Mediates Aggregate Assembly Type in *Pseudomonas aeruginosa*. *MBio*, 12(4).
- Barbot, V., Robert, A., Rodier, M. H., & Imbert, C. (2012). Update on Infectious Risks Associated with Dental Unit Waterlines. *FEMS Immunology and Medical Microbiology*, 65(2), 196–204.
- Bayani, M., Raisolvaezin, K., Almasi-Hashiani, A., & Mirhoseini, S. H. (2023). Bacterial Biofilm Prevalence in Dental Unit Waterlines: a Systematic Review and Meta-analysis. *BMC Oral Health*, 23(1), 158.
- Berniyanti, T., & Mahmiyah, E. (2015). Microbiological Studies on the Production of Antimicrobial Agent by Saponin *aloe vera linn* against *Streptococcus sanguinis*. *Research Journal of Microbiology*, 10(10), 486-493.
- Bruinsma, G. M., Van Der Mei, H. C., Busscher, H. J. (2001). Bacterial Adhesion to Surface Hydrophilic and Hydrophobic Contact Lenses. *Biomaterials*, 22(24): 3217–3224.
- Burke, R., Upton, M., & McLoughlin, A. (1990). Influence of Pigment Production on Resistance to Ultraviolet Irradiation in *Pseudomonas aeruginosa* ATCC 10145. *Irish Journal of Food Science and Technology*, 14(1), 51–60.

- Chandini, R., Saranya, R., Mohideen, K., Nandagopal, P., Jayamani, L., & Jeyakumaran, S. (2022). Anti-candidal Effect of *Ocimum sanctum*: A Systematic Review on Microbial Studies. *Cureus*, *14*(5).
- Chanthaboury, M., Choonharuangdej, S., Shrestha, B., & Srithavaj, T. (2022). Antimicrobial Properties of *Ocimum* species: An in vitro study. *Journal of International Society of Preventive & Community Dentistry*, *12*(6), 596.
- Cohen, M. M. (2014). Tulsi - *Ocimum sanctum*: A Herb for All Reasons. *Journal of Ayurveda and Integrative Medicine*, *5*(4), 251–259.
- Colombo, A. P. V., Magalhães, C. B., Hartenbach, F. A. R. R., do Souto, R. M., & da Silva-Boghossian, C. M. (2016). Periodontal-disease-associated Biofilm: A Reservoir for Pathogens of Medical Importance. *Microbial Pathogenesis*, *94*, 27–34.
- Dharsono, H. D. A., Putri, S. A., Kurnia, D., Dudi, D., & Satari, M. H. (2022). *Ocimum* Species: A Review on Chemical Constituents and Antibacterial Activity. *Molecules*, *27*(19), 1–23.
- Diggle, S. P., & Whiteley, M. (2020). Microbe Profile: *Pseudomonas aeruginosa*: Opportunistic Pathogen and Lab Rat. *Microbiology (United Kingdom)*, *166*(1), 30–33.
- DwicaHyani, T., Sumardianto, S., & Rianingsih, L. (2018). Uji Bioaktivitas Ekstrak Teripang Keling *Holothuria atra* sebagai Antibakteri *Staphylococcus aureus* dan *Escherichia coli*. *Jurnal Pengolahan dan Bioteknologi Hasil Perikanan*, *7*(1), 15–24.
- Finlay, B. B., dan Falkow, S. (1997). Common Themes in Microbial Pathogenicity Revisited. *Microbiology and Molecular Biology Reviews*, *61*(2): 136–169.
- George, S., & Kishen, A. (2007). Effect of Tissue Fluids on Hydrophobicity and Adherence of *Enterococcus faecalis* to Dentin. *Journal of Endodontics*, *33*(12), 1421–1425.
- Gunardi, W. D. (2017). Mekanisme Biomolekuler *Pseudomonas aeruginosa* dalam Pembentukan Biofilm dan Sifat Resistensi terhadap Antibiotika. *Jurnal Kedokteran Meditek*, *22*(59), 1–7.
- Hamijaya, L., & Widiastuti, M. G. (2014). Perbedaan Daya Anti Bakteri Tetrachlorodecaoxide, Povidon Iodine, dan Hidrogen Peroksida (H₂O₂) terhadap Bakteri *Pseudomonas aeruginosa* secara In vitro. *Jurnal Kedokteran Gigi*, *5*(4), 329–335.
- Jawetz., Melnick., Aldeberg. (2004). *Mikrobiologi Kedokteran*. 23rd ed. Buku Kedokteran EGC. pp. 251–257.

- Ji, X. Y., Fei, C. N., Zhang, Y., Zhang, W., Liu, J., & Dong, J. (2016). Evaluation of Bacterial Contamination of Dental Unit Waterlines and Use of A Newly Designed Measurement Device to Assess Retraction of A Dental Chair Unit. *International Dental Journal*, 66(4), 208–214.
- Jurado-Martín, I., Sainz-Mejías, M., & McClean, S. (2021). *Pseudomonas aeruginosa*: An Audacious Pathogen with An Adaptable Arsenal of Virulence Factors. *International Journal of Molecular Sciences*, 22(6), 1–37.
- Khan, H. A., Baig, F. K., & Mehboob, R. (2017). Nosocomial Infections: Epidemiology, Prevention, Control and Surveillance. *Asian Pacific Journal of Tropical Biomedicine*, 7(5), 478–482.
- LaBauve, A. E., & Wargo, M. J. (2012). Growth and Laboratory Maintenance of *Pseudomonas aeruginosa*. *Current Protocols in Microbiology*, 25(1), 6E-1.
- Larasati, D. A., & Apriliana, E. (2016). Efek Potensial Daun Kemangi (*Ocimum basilicum* L.) sebagai Pemanfaatan *Hand Sanitizer*. *Jurnal Majority*, 5(5), 124-128.
- Laverty, G., Gorman, S. P., & Gilmore, B. F. (2014). Biomolecular Mechanisms of *Pseudomonas aeruginosa* and *Escherichia coli* Biofilm Formation. *Pathogens*, 3(3), 596-632.
- Mahajan, N., Rawal, S., Verma, M., Poddar, M., & Alok, S. (2013). A Phytopharmacological Overview on *Ocimum* Species with Special Emphasis on *Ocimum sanctum*. *Biomedicine and Preventive Nutrition*, 3(2), 185–192.
- Mandell G, Bennett J, Dolin R. (2009). *Principles and Practice of Infectious Diseases 7th Edition*. Elsevier/Churchill Livingstone, New York.
- Melinda, N. A., Safitri, P. G. A., Laili, F. N., & Himmah, S. R. Y. (2022). Study of Formulation and Evaluation of the Potential Inhibitory Power of Basil Leaf Extract *Hand Sanitizer* Gel (*Ocimum Sanctum* L.) Against *Staphylococcus Aureus*: Literature Review. *Surya*, 14(2), 85-93.
- Merritt, K. dan An, YH., (2000). Factors Influencing Bacterial Adhesion. Dalam: An, YH. dan Friedman, RJ., ed. *Handbook of Bacterial Adhesion: Principals, Methods and Applications*. New York: Springer Science+Bussiness Media LLC. pp. 53-72.
- Mirani, Z. A., Fatima, A., Urooj, S., Aziz, M., Khan, M. N., Abbas, T. (2018). Relationship of Cell Surface Hydrophobicity with Biofilm Formation and Growth Rate: A Study on *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Escherichia coli*. *Iranian Journal of Basic Medical Sciences*, 2(7): 760-769.
- Mohan, L., Amberkar, M. V., & Kumari, M. (2011). *Ocimum sanctum* linn (TULSI) - an overview. *International Journal of Pharmaceutical Sciences Review and*

Research, 7(1), 51–53

- Noopan, S., Unchui, P., Techotinnakorn, S., & Ampornaramveth, R. S. (2019). Plasma Sterilization Effectively Reduces Bacterial Contamination in Dental Unit Waterlines. *International Journal of Dentistry*, 2019.
- Odonnell, M. J., Boyle, M. A., Russell, R. J., & Coleman, D. C. (2011). Management of Dental Unit Waterline Biofilms in the 21st century. *Future Microbiology*, 6(10), 1209–1226.
- Okubo, K., Ito, T., Okamoto, K., Yamamoto, I., Mizutani, H., Kawata, Y., Shiota, Y., Ito, M., Nakamura, S., Tai, M., Yamamoto, T., & Takashiba, S. (2020). Evaluation of The Simulator with Automatic Irrigation Control System Designed for Countermeasures of Internal Contamination in Dental Unit Waterlines. *Heliyon*, 6(6), e04132.
- Oliveira, R., Azeredo, J., Teixeira, P., & Fonseca, A. (2001). The Role of Hydrophobicity in Bacterial Adhesion. *Bioline*, 11–22.
- Pier GB, Ramphal R. (2005). *Pseudomonas aeruginosa*. In G. L. Mandell & J. E. Bennett (Ed.), Mandell.
- Pratiwi, E. W., Praharani, D., & Arina, Y. M. D. A. (2015). Daya Hambat Ekstrak Daun Pepaya (*Carica papaya* L.) terhadap Adhesi Bakteri *Porphyromonas gingivalis* pada Neutrofil (Inhibition of Papaya (*Carica papaya* L.) Leaves Extract on Adhesion of *Porphyromonas gingivalis* Bacteria to Neutrophils). *Pustaka Kesehatan*, 3(2), 193-198.
- Purbowati, R. (2018). Hubungan Biofilm dengan Infeksi: Implikasi pada Kesehatan Masyarakat dan Strategi Mengontrolnya. *Jurnal Ilmiah Kedokteran Wijaya Kusuma*, 5(1), 1-14.
- Qun, C. H. E. N., Zhang, X., & Jie, W. A. N. G. (2018). Research Progress on Chemical Composition and Clinical Effect of *Ocinum basilicum*. *Asian Agricultural Research*, 10(7).
- Qureshi, S., Milić, L., Petrović, B., Vejin, M., Kojić, S., Jarić, S., & Stojanović, G. (2022). The Measurement of Contact Angle, pH, and Conductivity of Artificial Saliva and Mouthwashes on Enamel, Glass-Ionomer, and Composite Dental Materials. *Materials (Basel, Switzerland)*, 15(13), 4533.
- Rachmawaty, F. J. (2010). Efek Pemaparan Ekstrak Etanol dan Ekstrak Air Sirih Merah (*Piper crocatum*) terhadap Hidrofobisitas Permukaan Sel *Staphylococcus aureus*. *Jurnal Kedokteran Dan Kesehatan Indonesia*, 2(5), 1–10.
- Rahmawatiani, A., Mayasari, D., & Narsa, A. C. (2020, December). Kajian literatur: aktivitas antibakteri ekstrak herba suruhan (*peperomia pellucida* l.).

In *Proceeding of Mulawarman Pharmaceuticals Conferences* (Vol. 12, pp. 117-124).

R, C., R, S., Mohideen, K., Nandagopal, P., Jayamani, L., & Jeyakumaran, S. (2022). Anti-candidal Effect of *Ocimum sanctum*: A Systematic Review on Microbial Studies. *Cureus*, 14(5).

Rijayanti, R. P. (2014). In vitro Antibacterial Activity test Of Ethanol Extracts Bacang mango (*Mangifera foetida* L.) Leaves Against *Staphylococcus aureus*. *Naskah Publikasi Universitas Tanjungpura*, 1(1), 10–12.

Rocha, A. J., De Oliveira Barsottini, M. R., Rocha, R. R., Laurindo, M. V., De Moraes, F. L. L., & Da Rocha, S. L. (2019). *Pseudomonas aeruginosa*: Virulence factors and antibiotic resistance Genes. *Brazilian Archives of Biology and Technology*, 62, 1–15.

Rohmah, R. dan Zainuri, M., (2016) Pengaruh Variasi Temperatur Kalsinasi SiO₂ terhadap Sifat Kebasahan pada Permukaan Hidrofobik. *Jurnal Sains dan Seni ITS*. 5(2): 2337-3520.

Shafira, L. M., Ethica, N. S., & Ernanto, R. A. (2022). Deteksi *Pseudomonas Aeruginosa* Isolat Pus Luka Berbasis *Polymerase Chain Reaction* menggunakan Gen *AlgD*. *Prosiding Seminar Nasional unimus*, 5, 795–806.

Siva, M., Shanmugam, K. R., Shanmugam, B., Venkata, S. G., Ravi, S., Sathyavelu, R. K., & Mallikarjuna, K. (2016). *Ocimum sanctum*: a review on the pharmacological properties. *International Journal Basic Clinical Pharmacology*, 5, 558-565.

Souza, L. C. D., Lopes, F. F., Bastos, E. G., & Alves, C. M. C. (2018). Oral infection by *Pseudomonas aeruginosa* in patient with chronic kidney disease - a case report. *Jornal Brasileiro de Nefrologia: 'orgao Oficial de Sociedades Brasileira e Latino-Americana de Nefrologia*, 40(1), 82–85.

Sungkar, S., Agustina, D., Supartinah, A., & Haniastuti, T. (2018). The Effect of Jamblang (*Syzygium Cumini* (L) Skeels) Leaves Ethanolic Extract on the Adhesion of *Streptococcus Mutans* to Hydroxyapatite. In *International Dental Conference of Sumatera Utara 2017 (IDCSU 2017)* (pp. 294-297). Atlantis Press.

Tahmourespour, A., Kermanshahi, R. K., Salehi, R., & Nabinejad, A. (2008). The relationship between cell surface hydrophobicity and antibiotic resistance of streptococcal strains isolated from dental plaque and caries. *Iranian Journal of Basic Medical Sciences*, 10(4), 251–255.

Turahman, T., Nurfiana, G., & Sari, F. (2019). Antibacterial Activity of Basil (*Ocimum sanctum* L) Herb Extracts and Fractions Against *Staphylococcus aureus* ATCC 25923 and *Pseudomonas aeruginosa* ATCC 27853. *Jurnal Farmasi Indonesia*,

16(2), 90–97.

- Tortora, G. J., Funke, B. R., & Case, C. L. (2019). *Microbiology an Introduction*. 13rd edition. Pearson: Boston. pp. 138, 408.
- Wardani, A. H., & Zainuri, M. (2019). Pengaruh Variasi Massa SiO₂ Terhadap Sudut Kontak dan Transparansi Pada Lapisan Hydrophobic. *Jurnal Sains dan Seni ITS*, 7(2), 59-65.
- Wu, W., Jin, Y., Bai, F., & Jin, S. (2014). *Pseudomonas aeruginosa*. In *Molecular Medical Microbiology*. Elsevier Ltd.
- Yadav, R. N., Kayesth, S., Arora, J., Bhalla, M., Gupta, K. K., Shazad, M., Dey, A., Nissapatorn, V., Verma, A. K., & 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.
- Yuan, Y., dan Lee, T. R. (2013). Surface science techniques. *Springer Series in Surface Sciences*, 51(1): 3-34.
- Yuhana SA, Kusdarwati R, Meles K. (2013). Daya Antibakteri Ekstrak Daun Kemangi (*Ocimum sanctum* L.). Surabaya: *Skripsi Fakultas Perikanan dan Kelautan Universitas Airlangga*.
- Yulianto, H. D. K., dan Morita. (2014). Potensi herbal buah mahkota dewa (*Phaleria macrocarpa* (scheff.) boerl) yang dimanfaatkan sebagai modifikator permukaan dan anti-adhesi bakteri *S.mutans* pada permukaan material restorasi resin komposit. *Dentika Dental Journal*, 18(2): 190–193.