

## DAFTAR PUSTAKA

- Abdul Aziz, N. A., Ahmad, A., Setapar, S. H. M., Karakucuk, A., Azim, M. M., Lokhat, D., Rafatullah, M., Ganash, M., Kamal, M. A., & Ashraf, G. M. (2023). Essential oils: Extraction techniques, pharmaceutical and therapeutic potential—A review. *Current Drug Metabolism*, 24(2), 1–15.
- Alexa, E., Sumalan, R. M., Danciu, C., Obistioiu, D., Negrea, M., Poiana, M. A., Rus, C., Radulov, I., Pop, G., & Dehelean, C. A. (2020). Synergistic antifungal, antioxidant and antibacterial activity of essential oils from selected medicinal plants. *Molecules*, 25(19), 1–15.
- Alexandra, M., Diaconu, M., Popescu, A., & Matei, F. (2020). Chemical composition and antimicrobial activity of clove essential oil (*Syzygium aromaticum*). *Food Control*, 109, 106923.
- Al-Hashimi, A. G., Ammar, A. B., Mohammed, A. A., & Altemimi, A. B. (2020). Antioxidant and antimicrobial activity of clove essential oil. *Journal of Food Science and Technology*, 57(6), 1–10.
- Ali, S., Ikram-ul-Haq, & Qadeer, M. A. (2002). Production of citric acid by *Aspergillus niger*. *Applied Microbiology and Biotechnology*, 58(4), 451–455.
- Andrews, J. M. (2001). Determination of minimum inhibitory concentrations. *Journal of Antimicrobial Chemotherapy*, 48(Suppl 1), 5–16.
- Andriani, D., Widyastuti, Y., & Wahyuni, S. (2019). Karakteristik morfologi tanaman cengkeh (*Syzygium aromaticum*). *Jurnal Agronomi Indonesia*, 47(2), 145–152.
- Ansel, H. C. (2017). *Pharmaceutical dosage forms and drug delivery systems* (10th ed.). Lippincott Williams & Wilkins.
- Aulton, M. E., & Taylor, K. M. G. (2022). *Aulton's pharmaceuticals: The design and manufacture of medicines* (6th ed.). Elsevier.

- Balouiri, M., Sadiki, M., & Ibsouda, S. K. (2016). Methods for in vitro evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*, 6(2), 71–79. <https://doi.org/10.1016/j.jpha.2015.11.005>
- Balouiri, M., Sadiki, M., & Ibsouda, S. K. (2016). Methods for in vitro evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*, 6(2), 71–79. <https://doi.org/10.1016/j.jpha.2015.11.005>
- Bennett, J. W. (2015). Aspergillus: A primer for the novice. *Medical Mycology*, 53(1), 1–12.
- Bertani, B., Ruiz, N., & Silhavy, T. J. (2021). The lipopolysaccharide barrier of Gram-negative bacteria. *Microbiology Spectrum*, 9(2), 1–20.
- Betageri, G. V., & Prabhu, S. (2002). *Handbook of pharmaceutical excipients and formulation*. CRC Press.
- Beutin, L., Montenegro, M. A., Orskov, I., Orskov, F., Prada, J., Zimmermann, S., & Stephan, R. (1989). Close association of verotoxin (Shiga-like toxin) production with enterohemolysin production in strains of *Escherichia coli*. *Journal of Clinical Microbiology*, 27(11), 2559–2564.
- Bhalani, K. V., Shah, N. N., Patel, M. N., & Patel, R. P. (2024). Evaluation of antimicrobial activity of herbal formulations using agar diffusion method. *Journal of Applied Pharmaceutical Sciences*, 14(1), 45–52.
- Biernasiuk, A., Kowalska, G., & Wójcik-Stopczyńska, B. (2022). Antifungal activity of essential oils against *Candida albicans*. *Molecules*, 27(12), 1–12.
- Biernasiuk, A., Kowalska, G., & Wójcik-Stopczyńska, B. (2022). Antifungal activity of essential oils against *Candida albicans*. *Molecules*, 27(12), 1–12. <https://doi.org/10.3390/molecules27123863>
- Bonaccorso, A., Gigliarelli, G., & D'Angelo, V. (2021). Essential oils as antimicrobial agents. *Phytochemistry Reviews*, 20(2), 1–20.

- Bongomin, F., Gago, S., Oladele, R. O., & Denning, D. W. (2022). Global and emerging trends in aspergillosis. *The Lancet Microbe*, 3(4), e245–e256.
- Braun, S. D., Monecke, S., Thürmer, A., Ruppelt-Lorz, A., Makarewicz, O., Pletz, M. W., & Ehrlich, R. (2016). Rapid identification of antibiotic resistance genes in *Escherichia coli*. *Veterinary Microbiology*, 188, 20–28.
- Brooks, G. F., Carroll, K. C., Butel, J. S., Morse, S. A., & Mietzner, T. A. (2013). *Jawetz, Melnick & Adelberg's medical microbiology* (26th ed.). McGraw-Hill.
- Burt, S. (2004). Essential oils: Their antibacterial properties and potential applications in foods—A review.
- Cheung, G. Y. C., Bae, J. S., & Otto, M. (2021). Pathogenicity and virulence of *Staphylococcus aureus*. *Microbiology Spectrum*, 9(3), 1–20.
- Clinical and Laboratory Standards Institute. (2018). *Methods for dilution antimicrobial susceptibility tests for bacteria that grow aerobically*. CLSI.
- Croxen, M. A., Law, R. J., Scholz, R., Keeney, K. M., Wlodarska, M., & Finlay, B. B. (2021). Recent advances in understanding enteric pathogenic *Escherichia coli*. *Clinical Microbiology Reviews*, 34(2), 1–38.
- Departemen Kesehatan Republik Indonesia. (1979). *Farmakope Indonesia* (Edisi III). Depkes RI.
- Dewi, R. (2021). Potensi tanaman cengkeh sebagai bahan obat herbal. *Jurnal Farmasi Indonesia*, 18(2), 120–128.
- Dismukes, W. E., Pappas, P. G., & Sobel, J. D. (2003). *Clinical mycology*. Oxford University Press.
- Frisvad, J. C., Hubka, V., Ezekiel, C. N., Hong, S. B., Novakova, A., Chen, A. J., & Houbraken, J. (2018). Taxonomy of *Aspergillus* section Nigri. *Studies in Mycology*, 90, 1–86.

- Garg, A., Aggarwal, D., Garg, S., & Singla, A. K. (2012). Spreading of semisolid formulations. *Pharmaceutical Technology*, 26(9), 84–105.
- Gow, N. A. R., & Hube, B. (2012). Importance of the *Candida* cell wall. *Current Opinion in Microbiology*, 15(4), 406–412.
- Haro-González, J. N., Castillo-Herrera, G. A., Martínez-Velázquez, M., & Espinosa-Andrews, H. (2021). Clove essential oil (*Syzygium aromaticum* L.): Extraction, chemical composition and biological activities. *Molecules*, 26(21), 6387.
- Hartini, S. (2017). Identifikasi *Candida albicans*. *Jurnal Mikrobiologi Indonesia*, 11(2), 45–52.
- Hasanuddin, H., Suryanto, E., & Lumingkewas, M. (2020). Komposisi kimia minyak cengkeh. *Jurnal Kimia Terapan Indonesia*, 14(1), 1–10.
- Indrayati, A., & Sari, R. (2018). Identifikasi jamur *Candida albicans*. *Jurnal Biologi Tropis*, 18(2), 210–216.
- Intan, N., Wahyuni, S., & Hidayat, T. (2020). Aktivitas antibakteri minyak cengkeh. *Journal of Applied Pharmaceutical Science*, 10(3), 1–7.
- Kaunang, W., Tumbel, M., & Pandaleke, T. (2022). Struktur dinding sel *Staphylococcus aureus*. *Jurnal Mikrobiologi Klinik*, 5(1), 25–32.
- Kementerian Kesehatan Republik Indonesia. (2020). *Farmakope Indonesia* (Edisi VI). Kemenkes RI.
- Kullberg, B. J., & Arendrup, M. C. (2021). Invasive candidiasis. *New England Journal of Medicine*, 385, 123–133.
- Latgé, J. P., & Chamilos, G. (2020). *Aspergillus fumigatus* and aspergillosis. *Clinical Microbiology Reviews*, 33(1), 1–75.
- Liñán-Atero, R., Pérez-López, A. J., López-Nicolás, J. M., & Núñez-Delicado, E. (2024). Clove essential oil: Chemical profile and biological activity. *Pathogens*, 13, 1–22.

- Marston, A., & Kiss, L. (2008). Bioautographic methods in natural product research. *Phytochemical Analysis*, 19, 1–10.
- Padmalochanan, T., Karthikeyan, K., & Mohanraj, J. (2014). Antifungal activity testing methods. *International Journal of Pharmaceutical Sciences Review and Research*, 26(2), 1–5.
- Pitout, J. D. (2022). Extraintestinal pathogenic *Escherichia coli*. *Clinical Microbiology Reviews*, 35(1), 1–30.
- Prianto, E. (2013). Komposisi kimia minyak cengkeh. *Jurnal Teknologi Hasil Pertanian*, 6(1), 1–7.
- Rowe, R. C., Sheskey, P. J., & Quinn, M. (2009). *Handbook of pharmaceutical excipients* (6th ed.). Pharmaceutical Press.
- Samson, R. A., Visagie, C. M., Houbraeken, J., Hong, S. B., Hubka, V., Klaassen, C. H. W., Perrone, G., Seifert, K. A., Susca, A., Tanney, J. B., Varga, J., Kocsubé, S., Szigeti, G., Yaguchi, T., & Frisvad, J. C. (2014). Phylogeny and identification of the genus *Aspergillus*. *Studies in Mycology*, 78, 141–173.
- Segal, E. (2010). *Candida albicans: Biology and pathogenesis*. Springer.
- Sweetman, S. (2009). *Martindale: The complete drug reference* (36th ed.). Pharmaceutical Press.
- Tong, S. Y. C., Davis, J. S., Eichenberger, E., Holland, T. L., & Fowler, V. G. (2015). *Staphylococcus aureus* infections. *Clinical Microbiology Reviews*, 28(3), 603–661.
- Turner, N. A., Sharma-Kuinkel, B. K., Maskarinec, S. A., Eichenberger, E. M., Shah, P. P., Carugati, M., Holland, T. L., & Fowler, V. G. (2019). Methicillin-resistant *Staphylococcus aureus*: An overview. *Nature Reviews Microbiology*, 17(4), 203–218.

Voigt, R. (2016). *Buku pelajaran teknologi farmasi*. Gadjah Mada University Press.

World Health Organization. (2023). *Antimicrobial resistance: Global report*. WHO.

Zhang, Y., Liu, X., Wang, Y., Jiang, P., & Quek, S. Y. (2022). Antimicrobial mechanisms of eugenol. *Frontiers in Microbiology*, 13, 1–12.

