

DAFTAR PUSTAKA

- Agusta, W. T. (2016). *Optimasi formula sabun cair antibakteri ekstrak etanol daun sirih merah (Piper crocatum Ruiz & Pav) dengan variasi konsentrasi virgin coconut oil (VCO) dan kalium hidroksida*. Politeknik Kesehatan.
- Aisyah, Y., Haryani, S., Safriani, N., & Husna, N. E. (2018). Optimization of emulsification process parameters of cinnamon oil nanoemulsion. *International Journal on Advance Science Engineering Information Technology*, 8(5), 2092–2098.
- Alam, A., Ansari, M. J., Alqarni, M. H., Salkini, M. A., & Raish, M. (2023). Antioxidant, antibacterial, and anticancer activity of ultrasonic nanoemulsion of *Cinnamomum cassia* L. essential oil. *Plants*, 12(4), 834.
- Al-Dhubiab, B. (2012). Pharmaceutical applications and phytochemical profile of *Cinnamomum burmannii*. *Pharmacognosy Reviews*, 6(12), 125.
- Alexander, H., Paller, A. S., Traidl-Hoffmann, C., Beck, L. A., De Benedetto, A., Dhar, S., Girolomoni, G., Irvine, A. D., Spuls, P., Su, J., Thyssen, J. P., Vestergaard, C., Werfel, T., Wollenberg, A., Deleuran, M., & Flohr, C. (2020). The role of bacterial skin infections in atopic dermatitis: Expert statement and review from the International Eczema Council Skin Infection Group. *British Journal of Dermatology*, 182(6), 1331–1342.
- Alum, B. N. (2024). Saponification process and soap chemistry. *INOSR Appl. Sci*, 12, 51-56.
- Arifin, R., Puspitasari, I., & Nur, T. (2022). *Effect of essential oil and surfactant on the physical and antimicrobial properties of corn and wheat starch films*. *International Journal of Biological Macromolecules*, 208, 712–721.
- Ayuningtyas, N. A. P. Profile of Pediatric Patients with Acute Bacterial Skin Infections at a Tertiary Hospital in Surabaya, Indonesia. *Children*, 15(30), 6.
- Balouiri, M., Sadiki, M., & Ibnsouda, S. K. (2016). Methods for *in vitro* evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*, 6(2), 71–79.
- Becerril, R., Nerín, C., & Gómez-Lus, R. (2012). Evaluation of bacterial resistance to essential oils and antibiotics after exposure to oregano and cinnamon essential oils. *Foodborne Pathogens and Disease*, 9(8), 699–705.
- Budiastuti, B., Nurcholida, R. D., Primaharinastiti, R., & Sukardiman, S. (2021). Anti-inflammatory activity of cinnamon bark oil (*Cinnamomum burmannii* (Nees & T. Nees) Blume) from Lombok Timur Indonesia. *Pharmacognosy Journal*, 13(4), 1005–1013.
- Budiastuti, B., Nurcholida, R. D., Primaharinastiti, R., & Sukardiman, S. (2021). Anti-inflammatory activity of cinnamon bark oil (*Cinnamomum burmannii* (Nees & T. Nees) Blume) from Lombok Timur Indonesia. *Pharmacognosy Journal*, 13(4), 1005–1013.
- Byrd AL, Belkaid Y and Segre JA, 2018. The Human Skin Microbiome. *Nature Reviews Microbiology* Vol 16 (3): 143–155.
- Casalino, G., Dinardo, F. R., D'Amico, F., Bozzo, G., Bove, A., Camarda, A., & Circella, E. (2023). Antimicrobial efficacy of cinnamon essential oil against avian pathogenic *Escherichia coli* from poultry. *Animals*, 13(16), 2639.
- Demi, R. R., Novianti, S. O., Luthfi Kurnia Dewi, S., & Ir Chandrawati Cahyani, M. S. (2021). Variasi Pemakaian KOH Pada Saponifikasi Berbagai Jenis Minyak Nabati (Doctoral dissertation, Universitas Brawijaya).
- Fauziyah S, Radji M, dan Nurgani A, 2011. Hubungan Penggunaan Antibiotika pada Terapi Empiris dengan Kepekaan Bakteri di ICU RSUP Fatmawati Jakarta. *Jurnal Farmasi Indonesia* Vol 5 (3): 150–158.
- Haddi, K., Faroni, L. R. A., Oliveira, E. E., Nollet, L. M. L., & Rathore, H. S. (2017). Cinnamon oil. In *Green Pesticides Handbook: Essential Oils for Pest Control* (1st ed., pp. 117–138). CRC Press/Taylor & Francis.
- Handayani, F., Sundu, R., & Sari, R. M. (2018). Formulasi dan uji aktivitas antibakteri *Streptococcus mutans* dari sediaan mouthwash ekstrak daun jambu biji (*Psidium guajava* L.). *Jurnal Sains dan Kesehatan*, 1(8), 422–433.

- Huang, Y., Liu, H., Liu, S., & Li, S. (2020). *Cinnamon cassia* oil emulsions stabilized by chitin nanofibrils: Physicochemical properties and antibacterial activities. *Journal of Agricultural and Food Chemistry*, 68(49), 14620–14631.
- Hussain, M. S., Al-Alaq, F. T., Al-Khafaji, N. S., & Al-Dahmoshi, H. O. (2020). Antibacterial effect of virgin and refined coconut oils on pathogenic bacteria: A review. *Indian J. Forensic Med. Toxicol*, 14, 6042–6048.
- Ibi, A., & Kyuka, C. (2022). Sources, extraction, and biological activities of cinnamaldehyde. *Trends in Pharmaceutical Sciences*, 8(4), 263–282.
- Irmayanti, P. Y., Wijayanti, N. P. A. D., & Arisanti, C. I. S. (2014). Optimasi formula sediaan sabun mandi cair dari ekstrak kulit manggis (*Garcinia mangostana* Linn.). *Jurnal Kimia*, 8(2), 237–242.
- Jubaidah, S., Syamsul, E. S., Supomo, S., Wijaya, H., & Poddar, S. (2023). Formulation of cream from extract of red pidada leaves (*Sonneratia caseolaris* L.) as a sunscreen and analysis of active compounds with liquid chromatography-high resolution mass spectrometry (LC-HRMS) method. *Research Journal of Pharmacy and Technology*, 16(2), 781–785.
- Kačániová, M., Galovičová, L., Borotová, P., Valková, V., Ďuranová, H., Kowalczewski, P. L., ... & Vukovic, N. L. (2021). Chemical composition, in vitro and in situ antimicrobial and antibiofilm activities of *Syzygium aromaticum* (Clove) essential oil. *Plants*, 10(10), 2185.
- Kuosa, H., Ferreira, M., & Leivo, M. (2013). Freeze-thaw testing – Literature
- Kupikowska-Stobba, B., Domagała, J., & Kasprzak, M. M. (2024). Critical review of techniques for food emulsion characterization. *Applied Sciences*, 14(3), 1069.
- Landemaine, L., Da Costa, G., Fissier, E., Francis, C., Morand, S., Verbeke, J., & Richard, M. L. (2023). *Staphylococcus epidermidis* isolates from atopic or healthy skin have opposite effect on skin cells: potential implication of the AHR pathway modulation. *Frontiers in Immunology*, 14, 1098160.
- Lertsatitthanakorn, P., Manwiwattanakun, K., Paengnakorn, N., & Khunkitti, W. (2014). Antibacterial activity of an effective essential oil formulated in liquid soap against skin bacteria. *Chiang Mai Journal of Science*, 41(1), 71–83.
- Liang, D., Feng, B., Li, N., Su, L., Wang, Z., Kong, F., & Bi, Y. (2022). Preparation, characterization, and biological activity of *Cinnamomum cassia* essential oil nano-emulsion. *Ultrasonics Sonochemistry*, 86, 106009.
- Mahayuni, M. G. D., Wartana, I. G. N. A. W., & Wintariani, N. P. (2023). Formulasi Menggunakan Metode Naïve Bayes. Universitas Brawijaya Press, Malang
- Mayorga, A. H., Kuncahyo, I., & Saptarini, O. (2025). Optimization of gel formula from active fraction of mangosteen fruit (*Garcinia mangostana* L.) and antibacterial activity test against *Staphylococcus epidermidis*. *International Journal of Health Sciences*, 9(S1), 120–160. <https://doi.org/10.53730/ijhs.v9nS1.15577>)
- Muhammad, D. R. A., Lemarcq, V., Alderweireldt, E., Vanoverberghe, P., Praseptianga, D., Juvinal, J. G., & Dewettinck, K. (2020). Antioxidant activity and quality attributes of white chocolate incorporated with *Cinnamomum burmannii* Blume essential oil. *Journal of Food Science and Technology*, 57(5), 1731–1739.
- Nugrahaeni, F., Srifiana, Y., & Fauzi, F. (2023). Formulasi Sabun Mandi Cair Ekstrak Etanol 70% Daun Sirsak (*Annona Muricata* L). *Indonesia Natural Research Pharmaceutical Journal*, 8(1), 33–43.
- Nurani, D. H. D., Purwati, E., & Safitri, C. I. N. H. (2021, April). Formulasi dan Uji Mutu Fisik Sabun Herbal Padat Ekstrak Kulit Batang Kayu Manis (*Cinnamomum burmannii*): Formulation and Physical Quality Test of Solid Herbal Soap Cinnamon (*Cinnamomum burmannii*) Bark Extract. In *Proceeding of Mulawarman Pharmaceuticals Conferences* (Vol. 13, pp. 68–73).
- Nuryastuti, T., van der Mei, H. C., Busscher, H. J., Irvati, S., Aman, A. T., & Krom, B. P. (2009). Effect of cinnamon oil on *icaA* expression and biofilm formation by *Staphylococcus epidermidis*. *Applied and Environmental Microbiology*, 75(21), 6850–6855.
- Nurzyńska-Wierdak, R., Pietrasik, D., & Walasek-Janusz, M. (2022). *Essential oils*

- in the treatment of various types of acne—A review. *Plants*, 12(1), 90. review. VTT Technical Research Centre of Finland, 40.
- Pratiwi, I. A., & Indriani, A. (2022). Pengaruh minyak atsiri serai wangi (*Cymbopogon nardus*) terhadap stabilitas formulasi sediaan emulgel. *Jurnal Multidisiplin Sains*, 1(2), 12–20.
- Rosdiyawati, R. (2014). Uji efektivitas antibakteri sediaan sabun mandi cair minyak atsiri kulit buah jeruk pontianak (*Citrus nobilis* Lour. var. *microcarpa*) terhadap *Staphylococcus aureus* dan *Escherichia coli*. *Teknologisains*, 12(1).
- Sakti, A. S., Saputri, F. C., & Mun'im, A. (2019). Optimization of choline chloride-glycerol-based natural deep eutectic solvent for extraction of bioactive substances from *Cinnamomum burmannii* barks and *Caesalpinia sappan* heartwoods. *Heliyon*, 5(12), e02915.
- Sanam, M. U., Detha, A. I., & Rohi, N. K. (2022). Detection of antibacterial activity of lactic acid bacteria, isolated from Sumba mare's milk, against *Bacillus cereus*, *Staphylococcus aureus*, and *Escherichia coli*. *Journal of Advanced Veterinary and Animal Research*, 9(1), 53.
- Sediaan Sabun Cair Ekstrak Lidah Buaya (*Aloe vera* L.). *Jurnal Riset Kefarmasian Indonesia*, 5(1), 1-11.
- Shah, M. A., Natarajan, S. B., & Gousuddin, M. (2014). Formulation, evaluation, and antibacterial efficiency of herbal hand wash Gel. *Int. J. Pharm. Sci. Rev. Res*, 25(2), 120-124.
- SNI. (1996). Standar Sabun Mandi Cair (06-4085th–19th ed.). Badan Standarisasi Nasional.
- Soetrisno. 1972. *Ichtsar Farmakognosi*. Edisi III. Tunas Harapan Djakarta.
- Song, X., Zuo, G., & Chen, F. (2017). Effect of essential oil and surfactant on the physical and antimicrobial properties of corn and wheat starch films. *International Journal of Biological Macromolecules*, 107, 1302-1309.
- Tungadi, R., Sy. Pakaya, M., & D.As'ali, P. W. (2023). Formulasi Dan Evaluasi Stabilitas Fisik Sediaan Krim Senyawa Astaxanthin. *Indonesian Journal Of Pharmaceutical Education*, 3(1).
- Veerasophon, J., Sripalakit, P., & Saraphanchotiwitthaya, A. (2020). Formulation of anti-acne concealer containing cinnamon oil with antimicrobial activity against *Propionibacterium acnes*. *Journal of Advanced Pharmaceutical Technology & Research*, 11(2), 53–58.
- Veerasophon, J., Sripalakit, P., & Saraphanchotiwitthaya, A. (2020). Formulation of anti-acne concealer containing cinnamon oil with antimicrobial activity against *Propionibacterium acnes*. *Journal of Advanced Pharmaceutical Technology & Research*, 11(2), 53–58.
- Venus, M., Waterman, J., & McNab, I. (2010). Basic physiology of the skin. *Surgery (Oxford)*, 28(10), 469–472.
- Vidhate, K., Raut, A., Kale, A., Kopnar, A. B., & Kolhe, S. D. (2023). Formulation and evaluation of antibacterial soap of cinnamon oil. *International Research Journal of Modernization in Engineering Technology and Science*, 5(4), 1567.
- Wahyuni LS, 2014. Uji aktivitas antibakteri ekstrak kubis (*Brassica oleracea* L. var. *Capitata* L.) terhadap Bakteri *Escherichia coli*. UIN Syarif Hidayatullah Press, Jakarta.
- Wardani, T. S. (2021). *Kosmetologi*. Pustaka Baru Press.
- Xu, Z., Wang, X., Liang, H., Li, X., Li, D., Mu, C., ... & Li, D. (2025). Development of cinnamon essential oil-loaded Pickering emulsions stabilized by chitosan/gelatin nanoparticles with enhanced antibacterial and antibiofilm actives. *Collagen and Leather*, 7(1), 2.
- Yanakiev, S. (2020). Effects of cinnamon (*Cinnamomum* spp.) in dentistry: A review. *Molecules*, 25(18), 4184.
- Yani, E., et al. (2020). Optimization of manufacturing liquid soap based on Virgin Coconut Oil with a combination potassium hydroxide and ammonium hydroxide. *Journal of Physics: Conference Series*, 1469(1), 012142.