

DAFTAR PUSTAKA

- Abbaszadegan, A., Dadolahi, S., Gholami, A., Moein, M. R., Hamedani, S., Ghasemi, Y., & Abbott, P. V. (2016). Antimicrobial and cytotoxic activity of cinnamomum zeylanicum, calcium hydroxide, and triple antibiotic paste as root canal dressing materials. *Journal of Contemporary Dental Practice*. <https://doi.org/10.5005/jp-journals-10024-1811>
- Al-Dhubiab, B. E. (2012). Pharmaceutical applications and phytochemical profile of Cinnamomum burmannii. In *Pharmacognosy Reviews*. <https://doi.org/10.4103/0973-7847.99946>
- Albano, M., Crulhas, B. P., Alves, F. C. B., Pereira, A. F. M., Andrade, B. F. M. T., Barbosa, L. N., Furlanetto, A., Lyra, L. P. da S., Rall, V. L. M., & Júnior, A. F. (2019). Antibacterial and anti-biofilm activities of cinnamaldehyde against *S. epidermidis*. *Microbial Pathogenesis*. <https://doi.org/10.1016/j.micpath.2018.11.009>
- Alizadeh Behbahani, B., Falah, F., Lavi Arab, F., Vasiee, M., & Tabatabaee Yazdi, F. (2020). Chemical Composition and Antioxidant, Antimicrobial, and Antiproliferative Activities of Cinnamomum zeylanicum Bark Essential Oil. *Evidence-Based Complementary and Alternative Medicine*. <https://doi.org/10.1155/2020/5190603>
- Atmanto, D. (2019). Influence of the Addition of the Essential Oil of Cinnamon (Cinnamomum burmanii) in Soap Against Skin Care. *KnE Social Sciences*. <https://doi.org/10.18502/kss.v3i12.4129>
- Balijepalli, M. K., Buru, A. S., Sakirolla, R., & Pichika, M. R. (2017). Cinnamomum genus: A review on its biological activities. In *International Journal of Pharmacy and Pharmaceutical Sciences*. <https://doi.org/10.22159/ijpps.2017v9i2.11156>
- Barka, E. A., Vatsa, P., Sanchez, L., Gaveau-Vaillant, N., Jacquard, C., Klenk, H.-P., Clément, C., Ouhdouch, Y., & van Wezel, G. P. (2016). Taxonomy, Physiology, and Natural Products of Actinobacteria. *Microbiology and Molecular Biology Reviews*. <https://doi.org/10.1128/mubr.00019-15>
- Budiastuti, Andini, Y. W., Cahyasari, I. A., Primaharinastiti, R., & Sukardiman. (2020). Standardization Bark of Cinnamomum burmannii Nees Ex Bl. From five areas of Indonesia. *Pharmacognosy Journal*. <https://doi.org/10.5530/pj.2020.12.87>
- Chairunnisa, Tamhid, H. A., & Nugraha, A. T. (2017). Gas chromatography - Mass

- spectrometry analysis and antibacterial activity of Cinnamomum burmanii essential oil to Staphylococcus aureus and Escherichia coli by gaseous contact. *AIP Conference Proceedings*. <https://doi.org/10.1063/1.4978146>
- Chang, C. W., Chang, W. L., Chang, S. T., & Cheng, S. S. (2008). Antibacterial activities of plant essential oils against Legionella pneumophila. *Water Research*, 42(1–2), 278–286. <https://doi.org/10.1016/j.watres.2007.07.008>
- Chang, S. T., Chen, P. F., & Chang, S. C. (2001). Antibacterial activity of leaf essential oils and their constituents from Cinnamomum osmophloeum. *Journal of Ethnopharmacology*. [https://doi.org/10.1016/S0378-8741\(01\)00273-2](https://doi.org/10.1016/S0378-8741(01)00273-2)
- Chen, J., Tang, C., Zhang, R., Ye, S., Zhao, Z., Huang, Y., Xu, X., Lan, W., & Yang, D. (2020). Metabolomics analysis to evaluate the antibacterial activity of the essential oil from the leaves of Cinnamomum camphora (Linn.) Presl. *Journal of Ethnopharmacology*. <https://doi.org/10.1016/j.jep.2020.112652>
- Costa, R., Pizzimenti, F., Marotta, F., Dugo, P., Santi, L., & Mondello, L. (2010). Volatiles from steam-distilled leaves of some plant species from Madagascar and New Zealand and evaluation of their biological activity. *Natural Product Communications*. <https://doi.org/10.1177/1934578x1000501123>
- Darmapatni, K. A. G., Basori, A., & Suaniti, N. M. (2016). Pengembangan Metode Gc-MS Untuk Penetapan Kadar Acetaminophen Pada Spesimen Rambut Manusia. *Jurnal Biosains Pascasarjana*.
- Deng, X., Liao, Q., Xu, X., Yao, M., Zhou, Y., Lin, M., Zhang, P., & Xie, Z. (2014). Analysis of Essential Oils from Cassia Bark and Cassia Twig Samples by GC-MS Combined with Multivariate Data Analysis. *Food Analytical Methods*. <https://doi.org/10.1007/s12161-014-9821-y>
- Doyle, A. A., & Stephens, J. C. (2019). A review of cinnamaldehyde and its derivatives as antibacterial agents. In *Fitoterapia*. <https://doi.org/10.1016/j.fitote.2019.104405>
- Elcocks, E. R., Spencer-Phillips, P. T. N., & Adukwu, E. C. (2020). Rapid bactericidal effect of cinnamon bark essential oil against Pseudomonas aeruginosa. *Journal of Applied Microbiology*. <https://doi.org/10.1111/jam.14538>
- Endarini, L. H. (2016). *Farmakognisi dan Fitokimia* (1st ed.). Pusdik SDM Kesehatan.
- Fancello, F., El Beyrouthy, M., Iriti, M., El Khoury, M., Bou Zeidan, M., & Zara, S. (2019). Chemical composition and antimicrobial activity against food-related microorganisms of different essential oils from Lebanon. *Journal of Food*

- Safety*, 39(6), 1–9. <https://doi.org/10.1111/jfs.12688>
- Fiehn, O., Kopka, J., Dörmann, P., Altmann, T., Trethewey, R. N., & Willmitzer, L. (2000). Metabolite profiling for plant functional genomics. *Nature Biotechnology*. <https://doi.org/10.1038/81137>
- Firmino, D. F., Cavalcante, T. T. A., Gomes, G. A., Firmino, N. C. S., Rosa, L. D., De Carvalho, M. G., & Catunda, F. E. A. (2018). Antibacterial and Antibiofilm Activities of Cinnamomum Sp. Essential Oil and Cinnamaldehyde: Antimicrobial Activities. *Scientific World Journal*. <https://doi.org/10.1155/2018/7405736>
- Fratini, F., Mancini, S., Turchi, B., Sparagni, D., Al-Gwad, A. A., Najjar, B., Pistelli, L., Cerri, D., & Pedonese, F. (2019). Antimicrobial activity of three essential oils (cinnamon, manuka, and winter savory), and their synergic interaction, against *Listeria monocytogenes*. *Flavour and Fragrance Journal*. <https://doi.org/10.1002/ffj.3514>
- Guo, S., Geng, Z., Zhang, W., Liang, J., Wang, C., Deng, Z., & Du, S. (2016). The chemical composition of essential oils from Cinnamomum camphora and their insecticidal activity against the stored product pests. *International Journal of Molecular Sciences*. <https://doi.org/10.3390/ijms17111836>
- Halket, J. M., Waterman, D., Przyborowska, A. M., Patel, R. K. P., Fraser, P. D., & Bramley, P. M. (2005). Chemical derivatization and mass spectral libraries in metabolic profiling by GC/MS and LC/MS/MS. *Journal of Experimental Botany*, 56(410), 219–243. <https://doi.org/10.1093/jxb/eri069>
- Hasanah, A. N., Nazaruddin, F., Febrina, E., & Zuhrotun, A. (2011). Analisis Kandungan Minyak Atsiri dan Uji Aktivitas Antiinflamasi Ekstrak Rimpang Kencur (*Kaempferia galanga* L.). *Jurnal Matematika & Sains*.
- Horváth, G., Jámbo, N., Végh, A., Böszörményi, A., Lemberkovics, É., Héthelyi, É., Kovács, K., & Kocsis, B. (2010). Antimicrobial activity of essential oils: The possibilities of TLC-bioautography. *Flavour and Fragrance Journal*. <https://doi.org/10.1002/ffj.1993>
- Huang, D. F., Xu, J. G., Liu, J. X., Zhang, H., & Hu, Q. P. (2014). Chemical constituents, antibacterial activity and mechanism of action of the essential oil from Cinnamomum cassia bark against four food-related bacteria. *Microbiology (Russian Federation)*. <https://doi.org/10.1134/S0026261714040067>
- ITIS. (2020). *Cinnamomum schaeff.* Integrated Taxonomic Information System. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_va

lue=18174#null

- Jeyaratnam, N., Nour, A. H., Kanthasamy, R., Nour, A. H., Yuvaraj, A. R., & Akindoyo, J. O. (2016). Essential oil from *Cinnamomum cassia* bark through hydrodistillation and advanced microwave assisted hydrodistillation. *Industrial Crops and Products*. <https://doi.org/10.1016/j.indcrop.2016.07.049>
- Jiang, H., Wang, J., Song, L., Cao, X., Yao, X., Tang, F., & Yue, Y. (2016). GC×GC-tofms analysis of essential oils composition from leaves, twigs and seeds of *cinnamomum camphora* l. presl and their insecticidal and repellent activities. *Molecules*. <https://doi.org/10.3390/molecules21040423>
- Jugreet, B. S., & Mahomoodally, M. F. (2020). Essential oils from 9 exotic and endemic medicinal plants from Mauritius shows in vitro antibacterial and antibiotic potentiating activities. *South African Journal of Botany*. <https://doi.org/10.1016/j.sajb.2020.05.001>
- Julianti, E., Rajah, K. K., & Fidrianny, I. (2017). Antibacterial activity of ethanolic extract of Cinnamon bark, honey, and their combination effects against acne-causing bacteria. *Scientia Pharmaceutica*. <https://doi.org/10.3390/scipharm85020019>
- Khorsandi, A., Ziaee, E., Shad, E., Razmjooei, M., Eskandari, M. H., & Aminlari, M. (2018). Antibacterial effect of essential oils against spoilage bacteria from vacuum-Packed cooked cured sausages. *Journal of Food Protection*. <https://doi.org/10.4315/0362-028X.JFP-17-474>
- Mahmoudvand, H., Mahmoudvand, H., Oliae, R. T., Kareshk, A. T., Mirbadie, S. R., & Aflatoonian, M. R. (2017). In vitro protoscolicidal effects of *Cinnamomum zeylanicum* essential oil and its toxicity in mice. *Pharmacognosy Magazine*. https://doi.org/10.4103/pm.pm_280_16
- Mbaveng, A. T., & Kuete, V. (2017). Cinnamon Species. In *Medicinal Spices and Vegetables from Africa: Therapeutic Potential Against Metabolic, Inflammatory, Infectious and Systemic Diseases*. <https://doi.org/10.1016/B978-0-12-809286-6.00017-0>
- Moarefian, M., Barzegar, M., & Sattari, M. (2013). *Cinnamomum Zeylanicum* Essential Oil As A Natural Antioxidant And Antibacterial In Cooked Sausage. *Journal of Food Biochemistry*. <https://doi.org/10.1111/j.1745-4514.2011.00600.x>
- Mortazavi, N., & Aliakbarlu, J. (2019). Antibacterial Effects of Ultrasound, Cinnamon Essential Oil, and Their Combination Against *Listeria*

- monocytogenes and Salmonella Typhimurium in Milk. *Journal of Food Science*.
<https://doi.org/10.1111/1750-3841.14914>
- Nabavi, S. F., Di Lorenzo, A., Izadi, M., Sobarzo-Sánchez, E., Daglia, M., & Nabavi, S. M. (2015). Antibacterial effects of cinnamon: From farm to food, cosmetic and pharmaceutical industries. In *Nutrients*. <https://doi.org/10.3390/nu7095359>
- Namvar, A. E., Bastarahang, S., Abbasi, N., Ghehi, G. S., Farhadbakhtiarian, S., Arezi, P., Hosseini, M., Baravati, S. Z., Jokar, Z., & Chermahin, S. G. (2014). Clinical characteristics of Staphylococcus epidermidis: a systematic review. *GMS Hygiene and Infection Control*. <https://doi.org/10.3205/dgkh000243>
- Nasri, H., Bahmani, M., Shahinfard, N., Nafchi, A. M., Saberianpour, S., & Kopaei, M. R. (2015). Medicinal plants for the treatment of acne vulgaris: A review of recent evidences. In *Jundishapur Journal of Microbiology*. <https://doi.org/10.5812/jjm.25580>
- Nenov, N., Gochev, V., Girova, T., Stoilova, I., Atanasova, T., Stanchev, V., & Stoyanova, A. (2011). Low temperature extraction of essential oil bearing plants by liquefied gases. 6. barks from cinnamon (cinnamomum zeylanicum nees). *Journal of Essential Oil-Bearing Plants*. <https://doi.org/10.1080/0972060X.2011.10643902>
- Netopilova, M., Houdkova, M., Urbanova, K., Rondevaldova, J., van Damme, P., & Kokoska, L. (2020). In vitro antimicrobial combinatory effect of Cinnamomum cassia essential oil with 8-hydroxyquinoline against Staphylococcus aureus in liquid and vapour phase. *Journal of Applied Microbiology*. <https://doi.org/10.1111/jam.14683>
- Omer, H., McDowell, A., & Alexeyev, O. A. (2017). Understanding the role of Propionibacterium acnes in acne vulgaris: The critical importance of skin sampling methodologies. *Clinics in Dermatology*. <https://doi.org/10.1016/j.clindermatol.2016.10.003>
- Orchard, A., van Vuuren, S. F., Viljoen, A. M., & Kamatou, G. (2018). The in vitro antimicrobial evaluation of commercial essential oils and their combinations against acne. *International Journal of Cosmetic Science*. <https://doi.org/10.1111/ics.12456>
- Orchard, Ané, Sandasi, M., Kamatou, G., Viljoen, A., & van Vuuren, S. (2017). The in vitro Antimicrobial Activity and Chemometric Modelling of 59 Commercial Essential Oils against Pathogens of Dermatological Relevance. *Chemistry and Biodiversity*. <https://doi.org/10.1002/cbdv.201600218>

- Orchard, Ané, & Van Vuuren, S. (2017). Commercial Essential Oils as Potential Antimicrobials to Treat Skin Diseases. In *Evidence-based Complementary and Alternative Medicine*. <https://doi.org/10.1155/2017/4517971>
- Patra, J. K., & Baek, K. H. (2016). Antibacterial activity and action mechanism of the essential oil from enteromorpha linza L. against foodborne pathogenic bacteria. *Molecules*. <https://doi.org/10.3390/molecules21030388>
- Piotr, S., Magdalena, Z., Joanna, P., Barbara, K., & Sławomir, M. (2018). Essential oils as potential anti-staphylococcal agents. *Acta Veterinaria*, 68(1), 95–107. <https://doi.org/10.2478/acve-2018-0008>
- Poaty, B., Lahlah, J., Porqueres, F., & Bouafif, H. (2015). Composition, antimicrobial and antioxidant activities of seven essential oils from the North American boreal forest. *World Journal of Microbiology and Biotechnology*. <https://doi.org/10.1007/s11274-015-1845-y>
- Rao, P. V., & Gan, S. H. (2014). Cinnamon: A multifaceted medicinal plant. In *Evidence-based Complementary and Alternative Medicine*. <https://doi.org/10.1155/2014/642942>
- Schauer, N., Steinhauser, D., Strelkov, S., Schomburg, D., Allison, G., Moritz, T., Lundgren, K., Roessner-Tunali, U., Forbes, M. G., Willmitzer, L., Fernie, A. R., & Kopka, J. (2005). GC-MS libraries for the rapid identification of metabolites in complex biological samples. *FEBS Letters*. <https://doi.org/10.1016/j.febslet.2005.01.029>
- Singh, G., Maurya, S., deLampasona, M. P., & Catalan, C. A. N. (2007). A comparison of chemical, antioxidant and antimicrobial studies of cinnamon leaf and bark volatile oils, oleoresins and their constituents. *Food and Chemical Toxicology*. <https://doi.org/10.1016/j.fct.2007.02.031>
- Smruti Thombare and Usha Mukundan. (2012). Control of Propionibacterium acnes using Essential oil. *Asian Journal of Experimental Sciences*, 26(2).
- Son, L. C., Dai, D. N., Thang, T. D., Huyen, D. D., & Ogunwande, I. A. (2014). Study on Cinnamomum oils: Compositional pattern of seven species grown in Vietnam. *Journal of Oleo Science*, 63(10), 1035–1043. <https://doi.org/10.5650/jos.ess14078>
- Unlu, M., Ergene, E., Unlu, G. V., Zeytinoglu, H. S., & Vural, N. (2010). Composition, antimicrobial activity and in vitro cytotoxicity of essential oil from Cinnamomum zeylanicum Blume (Lauraceae). *Food and Chemical Toxicology*. <https://doi.org/10.1016/j.fct.2010.09.001>

- Vasconcelos, N. G., Croda, J., & Simionatto, S. (2018). Antibacterial mechanisms of cinnamon and its constituents: A review. In *Microbial Pathogenesis*. <https://doi.org/10.1016/j.micpath.2018.04.036>
- Vora, J., Srivastava, A., & Modi, H. (2018). Antibacterial and antioxidant strategies for acne treatment through plant extracts. *Informatics in Medicine Unlocked*. <https://doi.org/10.1016/j.imu.2017.10.005>
- Walsh, T. R., Efthimiou, J., & Dréno, B. (2016). Systematic review of antibiotic resistance in acne: An increasing topical and oral threat. In *The Lancet Infectious Diseases*. [https://doi.org/10.1016/S1473-3099\(15\)00527-7](https://doi.org/10.1016/S1473-3099(15)00527-7)
- Wang, R., Wang, R., & Yang, B. (2009). Extraction of essential oils from five cinnamon leaves and identification of their volatile compound compositions. *Innovative Food Science and Emerging Technologies*. <https://doi.org/10.1016/j.ifset.2008.12.002>
- Wang, R., Wang, R., & Yang, B. (2011). Comparison of volatile compound composition of cinnamon (*Cinnamomum Cassia Presl*) bark prepared by hydrodistillation and headspace solid phase microextraction. *Journal of Food Process Engineering*. <https://doi.org/10.1111/j.1745-4530.2008.00347.x>
- Wang, S. Y., Chen, P. F., & Chang, S. T. (2005). Antifungal activities of essential oils and their constituents from indigenous cinnamon (*Cinnamomum osmophloeum*) leaves against wood decay fungi. *Bioresource Technology*. <https://doi.org/10.1016/j.biortech.2004.07.010>
- Wang, W., Li, D., Huang, X., Yang, H., Qiu, Z., Zou, L., Liang, Q., Shi, Y., Wu, Y., Wu, S., Yang, C., & Li, Y. (2019). Study on Antibacterial and Quorum-Sensing Inhibition Activities of *Cinnamomum camphora* Leaf Essential Oil. *Molecules*. <https://doi.org/10.3390/molecules24203792>
- Wei, L., Lin, M., Han, B., Deng, X., Hou, W., Liao, Q., & Xie, Z. (2016). The Comparison of *Cinnamomi Cortex* and *Cinnamomum burmannii* Blume Using ¹H NMR and GC-MS Combined with Multivariate Data Analysis. *Food Analytical Methods*. <https://doi.org/10.1007/s12161-016-0418-5>
- Wong, Y. C., Ahmad-Mudzaqqir, M. Y., & Wan-Nurdiyana, W. A. (2014). Extraction of essential oil from cinnamon (*Cinnamomum zeylanicum*). *Oriental Journal of Chemistry*. <https://doi.org/10.13005/ojc/300105>
- YuTang, T., PeiLing, Y., ChunYa, L., & ShangTzen, C. (2010). Anti-inflammatory activities of essential oils and their constituents from different provenances of indigenous cinnamon (*Cinnamomum osmophloeum*) leaves. In *Pharmaceutical*

Biology.

- Zaidi, S. F., Aziz, M., Muhammad, J. S., & Kadowaki, M. (2015). Diverse pharmacological properties of Cinnamomum cassia: A review. *Pakistan Journal of Pharmaceutical Sciences*, 28(4), 1433–1438.
- Zu, Y., Yu, H., Liang, L., Fu, Y., Efferth, T., Liu, X., & Wu, N. (2010). Activities of ten essential oils towards *Propionibacterium acnes* and PC-3, A-549 and MCF-7 cancer cells. *Molecules*. <https://doi.org/10.3390/molecules15053200>