

REFERENCES

- Anggrahini, D. S., Wibowo, A., & Subandiyah, S. 2020. Morphological and Molecular Identification of *Colletotrichum* spp. Associated with Chili Anthracnose Disease in Yogyakarta Region. *Jurnal Perlindungan Tanaman Indonesia*, 24(2), 161. <https://doi.org/10.22146/jpti.58955>
- Anggraini, R. 2020. Penilaian Organoleptik Cabai Rawit Dengan Kemasan Ramah Lingkungan Berbahan Daun. *AGROFOOD Jurnal Pertanian Dan Pangan*, 2 (2), 9–16.
- Ansari, M., S. Ahmed, M. T. Khan, N. A. Hamad, H. M. Ali, A. Abbasi, A. I. Mubeen Intisar, M. E Hasan, & I.K. Jasim. 2023. Evaluation of In Vitro and In Vivo Antifungal Activity of Green Synthesized Silver Nanoparticles against Early Blight in Tomato. *Horticulturae*, 9 (3). <https://doi.org/10.3390/horticulturae9030369>
- Araújo De Oliveira, W., F. De Oliveira Pereira, G. Carol, D. G. De Luna, I. O. Lima, P. Alves Wanderley, R. B. De Lima, & E. De Oliveira Lima. 2011. Antifungal Activity of *Cymbopogon Winterianus* Jowitt Ex Bor Against *Candida Albicans*. *Brazilian Journal of Microbiology*, 42, 433–441.
- Asril, M. 2011. *Kemampuan Bakteri Tanah Dalam Menghambat Pertumbuhan Ganoderma boninense dan Fusarium oxysporum Secara In Vitro dan Uji Penghambatan Penyakit Layu Fusarium Pada Benih Cabai Merah*. <https://www.researchgate.net/publication/328281991>
- Ch Saikia, R., A. Sarma, T. Ch Sarma, & P. Kr Baruah. 2006. Comparative Study of Essential Oils from Leaf and Inflorescence of Java Citronella (*Cymbopogon winterianus* Jowitt). *JEOP*, 9 (1), 85–87.
- Coutinho, D. M., Henrique, M. Audilene de Freitas, C. N. F. Leite Gondim, R. Sabino de Albuquerque, J. V. de Alencar Ferreira, & J. C. Andrade. 2015. Actividad antimicrobiana de Geraniol e Cariofileno contra *Staphylococcus aureus* In vitro antimicrobial activity of Geraniol and Cariophyllene against *Staphylococcus aureus*. *Revista Cubana de Plantas Medicinales*, 20(1), 98–105. <http://scielo.sld.cu>
- Dela Cueva, F., & M. A. Balendres. 2018a. Efficacy of citronella essential oil for the management of chilli anthracnose. *European Journal of Plant Pathology*, 152(2), 461–468. <https://doi.org/10.1007/s10658-018-1491-y>
- Dela Cueva, F., & M. A. Balendres. 2018b. Efficacy of citronella essential oil for the management of chilli anthracnose. *European Journal of Plant Pathology*, 152(2), 461–468. <https://doi.org/10.1007/s10658-018-1491-y>

- Dewi, S. R., D. Nur, & C. Hanifa. 2021. Karakterisasi dan Aktivitas Antibakteri Minyak Serai Wangi (*Cymbopogon nardus* (L.) Rendle) terhadap *Propionibacterium acnes* Characterization and Antibacterial Activity of Citronella (*Cymbopogon nardus* (L.) Rendle) Oil against *Propionibacterium acnes*. *Pharmaceutical Journal of Indonesia*, 18(02), 371–379.
- Djoar, D. W., P. Sahari, & Sugiyono. (2012). 14346-28816-1-SM. *Jurnal Caraka Tani*, 27 (1), 15–24.
- Faye, D., Diop, I., Mbaye, N., Dione, D., & Diedhiou, M. M. 2025. Mango fruit diseases severity estimation based on image segmentation and deep learning. *Discover Applied Sciences*, 7(2). <https://doi.org/10.1007/s42452-025-06550-z>
- Gaonkar, R., P. K. Avti, & G. Hegde. 2018. Differential Antifungal Efficiency of Geraniol and Citral. *Natural Product Communications*, 13 (12), 1609–1614.
- Harahap, R. F., Martinius, & Darnetty. 2023. Fungicidal activity nanoemulsions of citronella oils (*Cymbopogon nardus* L.) against rice seed-borne pathogenic fungi. *IOP Conference Series: Earth and Environmental Science*, 1160(1). <https://doi.org/10.1088/1755-1315/1160/1/012050>
- Helal, G. E. D. A., M. M. Sarhan, A. N. K. Abu Shahla, & E. K. Abou El-Khair. 2007. Effects of *Cymbopogon citratus* L. essential oil on the growth, morphogenesis and aflatoxin production of *Aspergillus flavus* ML2-strain. *Journal of Basic Microbiology*, 47(1), 5–15. <https://doi.org/10.1002/jobm.200610137>
- Hm, S., Mj, M., & R. S. Patil. 2019. Morphological characterization of bird eye chilli grown as intercrop in arecanut plantation. ~ 2504 ~ *Journal of Pharmacognosy and Phytochemistry*, 8(3).
- Hudayya, A., & H. Jayanti. 2013. *Pengelompokan Pestisida Berdasarkan Cara Kerja (Mode Of Action)*. Balai Penelitian Tanaman Sayuran.
- Intara, Y. I., A. Sapei, Erizal, N. Sembiring, & M. H. B. Djoefrie. 2011. Mempelajari Pengaruh Pengolahan Tanah Dan Cara Pemberian Air Terhadap Pertumbuhan Tanaman Cabai (*Capsicum annum* L.). *EMBRYO*, 8 (1).
- Kalemba, D., & A. Kunicka. 2003. Antibacterial and Antifungal Properties of Essential Oils. *Current Medicinal Chemistry*, 10, 813–829.
- Koul, O., S. Walia, & G. S. Dhaliwal. 2008. *Essential Oils as Green Pesticides: Potential and Constraints*.

- Lammari, N., O. Louaer, A. H. Meniai, & A. Elaissari. 2020. Encapsulation of essential oils via nanoprecipitation process: Overview, progress, challenges and prospects. In *Pharmaceutics* (Vol. 12, Issue 5). MDPI AG. <https://doi.org/10.3390/pharmaceutics12050431>
- Lertsatitthanakorn, P., S. Taweechaisupapong, C. Arunyanart, C. Aromdee, & W. Khunkitti. 2010. Effect of Citronella Oil on Time Kill Profile, Leakage and Morphological Changes of *Propionibacterium acnes*. *Journal of Essential Oil Research*, 22(3), 270–274. <https://doi.org/10.1080/10412905.2010.9700322>
- Liu, L., K. D. Fisher, M. A. Friest & G. Gerard. 2023. Characterization and Antifungal Activity of Lemongrass Essential Oil-Loaded Nanoemulsion Stabilized by Carboxylated Cellulose Nanofibrils and Surfactant. *Polymers*, 15(19). <https://doi.org/10.3390/polym15193946>
- Maluin, F. N., M. Z. Hussein, N. A. Yusof, S. Fakurazi, I. Abu Seman, N. H. Zainol Hilmi & L. D. Jeffery Daim. 2019. Enhanced fungicidal efficacy on: *Ganoderma boninense* by simultaneous co-delivery of hexaconazole and dazomet from their chitosan nanoparticles. *RSC Advances*, 9(46), 27083–27095. <https://doi.org/10.1039/c9ra05417k>
- Mudalip A., M. N. Khatiman, N. A. Hashim, R. Che Man, & Z. I. M. Arshad. 2021. A short review on encapsulation of bioactive compounds using different drying techniques. *Materials Today: Proceedings*, 42, 288–296. <https://doi.org/10.1016/j.matpr.2021.01.543>
- Nakahara K., N. S. Alzoreky, T. Yoshihashi, H. T. T. Nguyen, & G. Trakoontivakorn. 2003. Chemical Composition and Antifungal Activity of Essential Oil from *Cymbopogon nardus* (Citronella Grass). *Japan International Research Center for Agricultural Sciences*, 37(4), 249–252. <http://www.jircas.affrc.go.jp>
- Nanda S., T. Mondal, S. K. Yadav, & G. Kumar. 2021. Biopesticides and their Encapsulation Techniques: Current Updates and Future Prospective. *International Journal of Theoretical & Applied Sciences*, 13(1), 64–67. <https://www.researchgate.net/publication/353583458>
- Oo M. M., H. Y. Yoon, H. A. Jang, & S. K. Oh. 2018. Identification and characterization of *Colletotrichum* species associated with bitter rot disease of apple in South Korea. *Plant Pathology Journal*, 34(6), 480–489. <https://doi.org/10.5423/PPJ.FT.10.2018.0201>
- Park H., H. H. You, & G. Song. 2021. Multiple toxicity of propineb in developing zebrafish embryos: Neurotoxicity, vascular toxicity, and notochord defects in normal vertebrate development. *Comparative Biochemistry and Physiology*

Part - C: Toxicology and Pharmacology, 243.
<https://doi.org/10.1016/j.cbpc.2021.108993>

- Pina-Vaz C., A. G. Rodrigues, S. C. Pinto de Oliveira, C. Tavares, L. Salgueiro, C. Cavaleiro, M. J. Goncalves, & J. M. de Oliveira. 2004. Antifungal Activity of *Thymus* Oils and Their Major Compounds. *Journal European Academy of Dermatology and Venereology*, 18, 73–78.
- Saxena A., R. Raghuwanshi, V. K. Gupta, & H. B. Singh. 2016. Chilli anthracnose: The epidemiology and management. In *Frontiers in Microbiology* (Vol. 7, Issue SEP). Frontiers Media S.A. <https://doi.org/10.3389/fmicb.2016.01527>
- Shekhar H., G. Bidhan, & C. Krishi Viswavidyalaya. 2017. Comparative studies on isolation, identification and purification of *Colletotrichum capsici* causing anthracnose disease of chilli. *International Journal of Chemical Studies*, 5(6), 744–747. <https://www.researchgate.net/publication/321714755>
- Sousa A. M., I. Machado, A. Nicolau, & M. O. Pereira. 2013. Improvements on colony morphology identification towards bacterial profiling. *Journal of Microbiological Methods*, 95(3), 327–335. <https://doi.org/10.1016/j.mimet.2013.09.020>
- Sousa V. I., J. F. Parente, J. F. Marques, M. A. Forte, & C. J. Tavares. 2022. Microencapsulation of Essential Oils: A Review. In *Polymers* (Vol. 14, Issue 9). MDPI. <https://doi.org/10.3390/polym14091730>
- Stevanovic Z. D., E. Sieniawska, K. Glowniak, N. Obradovic, & I. Pajic-Lijakovic. 2020. Natural Macromolecules as Carriers for Essential Oils: From Extraction to Biomedical Application. In *Frontiers in Bioengineering and Biotechnology* (Vol. 8). Frontiers Media S.A. <https://doi.org/10.3389/fbioe.2020.00563>
- Sudirga S. K. 2016. Isolasi Dan Identifikasi Jamur *Colletotrichum* spp. Isolat Pcs Penyebab Penyakit Antraknosa Pada Buah Cabai Besar (*Capsicum annuum* L.) di Bali. *Jurnal Metamorfosa*, 3(1), 23–30. <http://ojs.unud.ac.id/index.php/metamorfosa>
- Sukamto C., Syukur, Syafaruddin, & I. M. Trisawa. 2019. Seraiwangi Penghasil Minyak Atsiri dan Sumber Pakan Ternak. Pusat Penelitian dan Pengembangan Perkebunan. www.perkebunan.litbang.pertanian.go.id
- Swari I. K. K., I. B. G. Darmayasa, & I. P. A. H. Wibawa. 2024. Penentuan Minimum Inhibitory Concentration (MIC) minyak atsiri *Acorus calamus* terhadap *Aspergillus flavus*. *Jurnal Biologi Udayana*, 28(1), 102. <https://doi.org/10.24843/jbiounud.2024.v28.i01.p09>

- Syabana M. A., A. Saylendra, D. Ramdhani, D. Jurusan, A. Fapertauntirta, Alumni, J. Agroekoteknologi, & F. Untirta. 2015. Aktivitas Anti Cendawan Ekstrak Daun Sereh Wangi (*Cymbopogon nardus* L.) terhadap *Colletotrichum* sp. Penyebab Penyakit Antraknosa Pada Buah Cabai (*Capsicum annuum* L.) Secara In Vitro Dan In Vivo. *Agrologia*, 4(1), 21–27.
- Trisyono Y. A. 2012. Effects Of Citronella Grass Extract On The Oviposition Behavior Of Carambola Fruit Fly (*Bactrocera carambolae*) In Mango. *ARPJN Journal of Agricultural and Biological Science*, 7(9), 672–679. www.arpnjournals.com
- Widya Anggraeni, R. Wardoyo, & E. P. 2019. Isolasi dan Identifikasi Jamur Pada Buah Cabai Rawit (*Capsicum frutescens* L.). 8(2).
- Yulyatin A., A. Qadir, S. Ilyas, & B. K. Udiarto. 2023. Pengaruh Tingkat infeksi antraknosa (*Colletotrichum capsici*) terhadap viabilitas dan vigor benih tiga varietas cabai besar (*Capsicum annuum* L.). *Jurnal AGRO*, 10(2), 217–230. <https://doi.org/10.15575/28159>
- Zabot G. L., F. Schaefer Rodrigues, L. Polano Ody, M. Vinícius Tres, E. Herrera, H. Palacin, J. S. Córdova-Ramos, I. Best, & L. Olivera-Montenegro. 2022. Encapsulation of Bioactive Compounds for Food and Agricultural Applications. In *Polymers* (Vol. 14, Issue 19). MDPI. <https://doi.org/10.3390/polym14194194>