

DAFTAR PUSTAKA

- Abdelnour, S., Chekroud, A., & Alhaj, M. 2018. *Fusarium oxysporum* and its response to various treatments. *Mycological Progress*, 17(5), 499-517.
- Abubakar., Abdullahi, R., Haque, M. 2020. Preparation of Medicinal Plants Basic Extraction and fractional Procedures for Experimental Purposes. *Journal of Pharmacy and Bioallied Sciences*. 12(1):1-10.
- Aktaruzzaman, M., Xu, S. J., Kim, J. Y., Woo, J. H., Hahm, Y. I., & Kim, B. S. 2014. First report of potato stem-end rot caused by *Fusarium oxysporum* in Korea. *Mycobiology*, 42(2): 206-209.
- Aldholmi, M., Marchand, P., Joly, N., & Ledauphin, J. 2019. Methods for analyzing capsaicinoids: A review. *Comprehensive Reviews in Food Science and Food Safety*, 18(5), 1392-1410
- Ameer, K., Shahbaz, H. M., & Kwon, J. H. (2017). Green extraction methods for polyphenols from plant matrices and their byproducts: A review. *Comprehensive reviews in food science and food safety*, 16(2), 295-315.
- Asngad, A., & Nopitasari, N. 2018. Kualitas gel pembersih tangan (handsanitizer) dari ekstrak batang pisang dengan penambahan alkohol, triklosan dan gliserin yang berbeda dosisnya. *Bioeksperimen: Jurnal Penelitian Biologi*: 4(2), 61-70.
- Azil, N., Stefańczyk, E., Sobkowiak, S., Chihat, S., Boureghda, H., & Śliwka, J. 2021. Identification and pathogenicity of *Fusarium* spp. associated with tuber dry rot and wilt of potato in Algeria. *European Journal of Plant Pathology*, 159(3): 495-509.
- Azmir, J., Zaidul, I.S., Rahman, M.M., Sharif, K.M., Mohamed, A., Sahena, F., Jahurul, M.H., Ghafoor, K., Norulaini, N.A., & Omar, A.K. 2013. Techniques for extraction of bioactive compounds from plant materials: A review. *Journal of Food Engineering*, 117(4), 426–436.
- Azwanida NN. 2015. A review on the extraction methods use in medicinal plants, principle, strength, and limitation. *Med Aromat Plants*.;4:196.
- Badan Ketahanan Pangan. 2020. *Roadmap Diversifikasi Pangan Lokal Sumber Karbohidrat Non Beras*. Badan Ketahanan Pangan.
- Banerjee, H., Ganguly, P., Roy, S., Banerjee, D., Paramasivam, M., Banerjee, T., & Sharma, K. K. (2010). Persistence and safety risk assessment of propineb in Indian tea. *Environmental monitoring and assessment*, 170, 311-314.

- Bäumler, E. R., Carrín, M. E., & Carelli, A. A. (2016). Extraction of sunflower oil using ethanol as solvent. *Journal of Food Engineering*, 178, 190-197.
- Bayona, L.G., Grajales, A., Cárdenas, M.E. Sierra, R, Lozano, G., Garavito, M.F., García, M., Bernal, A., Jiménez, P., Restrepo, S. 2011. Isolation and characterization of two strains of *Fusarium oxysporum* causing potato dry rot in *Solanum tuberosum* in Colombia. *Revista Iberoamericana de Micología*, 28(4): 166–172.
- Behbehani, J., Irshad, M., Shreaz, S., & Karched, M. 2023. Anticandidal activity of capsaicin and its effect on ergosterol biosynthesis and membrane integrity of *Candida albicans*. *International Journal of Molecular Sciences*.
- Boukaew S., Petlamul W., Bunkrongcheap R., Chookaew T., Kabbua T., Thippated A., Prasertsan P. Fumigant activity of volatile compounds of *Streptomyces philanthi* RM-1-138 and pure chemicals (acetophenone and phenylethyl alcohol) against anthracnose pathogen in postharvest chili fruit. *Crop Prot.* 2018;103:1–8.
- Catchpole, O. J., Grey, J. B., Perry, N. B., Burgess, E. J., Redmond, W. A., & Porter, N. G. 2003. Extraction of chili, black pepper, and ginger with near-critical CO₂, propane, and dimethyl ether: analysis of the extracts by quantitative nuclear magnetic resonance. *Journal of agricultural and food chemistry*, 51(17): 4853-4860.
- Chinn, M. S., Sharma-Shivappa, R. R., & Cotter, J. L. 2011. Solvent extraction and quantification of capsaicinoids from *Capsicum chinense*. *Food and bioproducts processing*, 89(4), 340-345.
- Costa J., Rodríguez R., Santos C., Soares C., Lima N., Santos C. 2020. Mycobiota in Chilean chilli *Capsicum annum* L. used for production of Merkén. *Int. J. Food Microbiol*;334:108833.
- Costa, J., Sepúlveda, M., Gallardo, V., Cayún, Y., Santander, C., Ruíz, A., & Santos, C. 2022. Antifungal Potential of Capsaicinoids and Capsinoids from the *Capsicum* Genus for the Safeguarding of Agrifood Production: Advantages and Limitations for Environmental Health. *Microorganisms*, 10(12): 2387.
- Dewatisari, W. F., Rumiyantri, L., & Rakhmawati, I. 2017. Rendemen dan Skrining Fitokimia pada Ekstrak Daun *Sansevieria* sp. *Jurnal Penelitian Pertanian Terapan*, 17(3), 197-202.
- Dewi, S. R., Argo, B. D., & Ulya, N. 2018. Kandungan flavonoid dan aktivitas antioksidan ekstrak *Pleurotus ostreatus*. *Rona Teknik Pertanian*, 11(1), 1-10.

- Dubey, S., & Sett, R. 2018. Antifungal activity of Cassia tora Linn seed extract against Fusarium oxysporum. *International Journal of Pharmaceutical Sciences and Research*, 9(5), 2070-2075.
- Faisal, M., Gani, A., Hidayati, A. N., Mardhatillah, P., Husni, H. 2021. In-vitro antifungal effect of the cayenne leaf extract modified with liquid smoke from cocoa pod husk to control F. oxysporum on chili (*Capsicum annum*). *Rayasan Journal of Chemistry*, 14(2): 705-711.
- Fajriah, M. N., & Tunjung Mahatmanto, S. T. P. 2020. *Uji Aktivitas Antibakteri Cabai Merah Besar (Capsicum Annuum L.) Pada Staphylococcus Aureus Serta Potensi Ekstrak Cabai Sebagai Edible Coating* (Doctoral dissertation, Universitas Brawijaya).
- Fernando, N., & Senevirathne, M. 2020. Efficacy of solvent extracts of medicinal plants in inhibiting Fusarium oxysporum. *Plant Pathology Journal*, 36(2), 115-120
- Ferniah, R. S., Pujiyanto, S., & Kusumaningrum, H. P. (2018). Indonesian red chilli (*Capsicum annum* L.) capsaicin and its correlation with their responses to pathogenic Fusarium oxysporum. *NICHE Journal of Tropical Biology*, 1(2), 7-12.
- Gajic, I., Kabic, J., Kekic, D., Jovicevic, M., Milenkovic, M., Mitic Culafic, D., ... & Opavski, N. (2022). Antimicrobial susceptibility testing: a comprehensive review of currently used methods. *Antibiotics*, 11(4), 427.
- Ghozali, M.R. & Elfahmi. 2020. Isolasi dan Karakterisasi Senyawa Golongan Kapsaisinoid dengan Metode Ekstraksi Fluida Superkritik dan Metode Konvensional dari Tanaman Cabai Rawit (*Capsicum frutescens* L.). *Archives Pharmacia*, 2(1): 17-32.
- Goci, E., Haloci, E., Di Stefano, A., Chiavaroli, A., Angelini, P., Miha, A., & Marinelli, L. 2021. Evaluation of in vitro capsaicin release and antimicrobial properties of topical pharmaceutical formulation. *Biomolecules*, 11(3), 432.
- Hasanah, N. dan Fatmawati, S. 2022. Metabolit Sekunder, Metode Ekstraksi dan Bioaktivitasnya Cabai (*Capsicum*). *Akta Kimia Indonesia*, 7(1): 14-61.
- Hu, Y., Yan, B., Chen, Z. S., Wang, L., Tang, W., & Huang, C. (2022). Recent technologies for the extraction and separation of polyphenols in different plants: a review. *J. Renew. Mater*, 10(6), 1471-1490.
- Ingle KP, Deshmukh AG, Padole DA, Dudhare MS, Moharil MP, Khelurkar VC. 2017. Phytochemicals: Extraction methods, identification, and detection of bioactive compounds from plant extracts. *J Pharmacogn Phytochem*. 6:32–6.

- Integrated Taxonomic Information System*. 2022. *Capsicum annuum* L. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=30492#null . Diakses pada 2 Maret 2022.
- Jorgensen, J. H. & Turnidge, J. D. (2015). Susceptibility test methods: dilution and disk diffusion methods. *Manual of clinical microbiology*, 1253-1273.
- Kee, Y. J., Zakaria, L., & Mohd, M. H. 2020. Morphology, phylogeny and pathogenicity of *Fusarium* species from *Sansevieria trifasciata* in Malaysia. *Plant pathology*, 69(3), 442-454.
- Kim, Y. A., Jang, Y. J., Oh, Y.-T., & Byun, S.-S. (2019). Dihydrocapsaicin inhibits epithelial cell transformation through targeting amino acid signaling and c-Fos expression. *Nutrients*.
- Kocot-Kępska, M., Zajączkowska, R., Mika, J., Kopsky, D. J., Wordliczek, J., Dobrogowski, J., & Machelska, H. 2021. Analgesic efficacy and safety of topical medications for localized neuropathic pain: a systematic review and meta-analysis. *Pain*, 162(4), 945-961.
- Kruawan, S., Hanchaiyaphum, P., Sodawichit, S., Janthakhat, P., Konglamjeak, S., Khiewbanyang, N., & Phadungchob, B. 2022. Effect of Extraction Solvent on Capsaicin Content of Chinda Peppers. *Suan Sunandha Science and Technology Journal*, 9(2), 48-52.
- Kunasakdakul, K & Suwitchayanon, P. 2012. Antimicrobial Activities of Chili and Black Pepper Extracts on Pathogens of Chinese Kale. *J. Nat. Sci.* 11(2): 135-141.
- Lal, M., Yadav, S., & Singh, B. P. (2017). Efficacy of new fungicides against late blight of potato in subtropical plains of India. *Journal of Pure and applied Microbiology*, 11(1), 599-604.
- Lebel, A., Amruthraj, N. J., JP, P. R., Swamy, R. S., Ebenezer, W. W., & Kumar, J. S. 2014. Impact of organic solvents in the extraction efficiency of therapeutic analogue capsaicin from *Capsicum chinense* Bhut jolokia fruits. *International Journal of Pharmaceutical and Clinical Research*, 6(02): 159-164.
- Levono, Prasad, M. 2017. GC-MS Profiling of Capsaicinoids Present in *Capsicum chinense* Jacq. cv. (Naga King Chilli) and Evaluation of its Antifungal Activity. *Asian Journal of Chemistry*, 29(12): 2674-2678.
- López-Carrillo, L., López-Cervantes, M., Robles-Díaz, G., Ramírez-Espitia, A., Mohar-Betancourt, A., Meneses-García, A., & Blair, A. 2003. Capsaicin consumption, *Helicobacter pylori* positivity and gastric cancer in Mexico. *International Journal of Cancer*.

- Lubis, A.A., Nadira, C.S., Mellaratna, W.P. 2022. Uji Daya Hambat Ekstrak Cabai Hijau (*Capsicum annum* L) terhadap Pertumbuhan Jamur *Candida albicans* Secara In Vitro. *COMSERVA* 2(7): 935-942.
- Maracahipes, Á. C., Taveira, G. B., Mello, E. O., Carvalho, A. O., Rodrigues, R., Perales, J., & Gomes, V. M. 2019. Biochemical analysis of antimicrobial peptides in two different *Capsicum* genotypes after fruit infection by *Colletotrichum gloeosporioides*. *Bioscience Reports*, 39(4), BSR20181889.
- Marini, I., Bartolucci, M. L., Bortolotti, F., Impellizzeri, D., Palma, A., & Bonetti, G. A. 2015. The potential use of capsaicin in the treatment of orofacial pain: a review. *Journal of Oral Rehabilitation*, 42(12), 951-959.
- Muangkote, S., Vichitsoonthonkul, T., Srilaong, V., Wongs-Aree, C., & Photchanachai, S. 2019. Influence of roasting on chemical profile, antioxidant and antibacterial activities of dried chili. *Food science and biotechnology*, 28, 303-310.
- Mukarlina, Khotimah, S. & Rianti, R. 2010. Uji Antagonis *Trichoderma harzianum* terhadap *Fusarium* spp. Penyebab Penyakit Layu pada Tanaman Cabai (*Capsicum annum*) secara in vitro. *J. Fitomedika* 7(2): 80-85.
- Nurlenawati, N., & Jannah, A. 2010. Respon Pertumbuhan dan Hasil Tanaman Cabai Merah (*Capsicum annum* L.) Varietas Prabu Terhadap Berbagai Dosis Pupuk Fosfat dan Bokashi Jerami Limbah Jamur Merang. *Agrika*, 4(1): 9-19.
- Omolo, M., Wong, Z., Mergen, A., Hasting, J., Le, N., Reiland, H., Case, K., Baumler, D. 2014. Antimicrobial Properties of Chili Peppers. *Journal of Infectious Diseases and Therapy*. 2(4): 1-8.
- Padilha H.K.M., Madruga N.A., Aranha B.C., Hoffmann J.F., Crizel R.L., Barbieri R.L., Chaves F.C. 2019. Defense responses of *Capsicum* spp. genotypes to post-harvest *Colletotrichum* sp. inoculation. *Phytoparasitica*. 47:557–573.
- Pakata, IF. 2013. Uji Aktivitas Antimikroba dari Ekstrak dan Fraksi Aktif Buah Cabai Katokkon (*Capsicum annum* L. var. *chinensis*) secara KLT-bioautografi. *Skripsi*. Makassar: Fakultas Farmasi Universitas Hasanudin.
- Păucean, A., Kádár, C. B., Simon, E., Vodnar, D. C., Ranga, F., Rusu, I. E., ... & Mureșan, V. 2022. Freeze-Dried Powder of Fermented Chili Paste—New Approach to Cured Salami Production. *Foods*, 11(22), 3716.
- Paudel, B., Bhattarai, H. D., Kim, I. C., Lee, H., Sofronov, R., Ivanova, L., & Yim, J. H. 2014. Estimation of antioxidant, antimicrobial activity and brine shrimp toxicity of plants collected from Oymyakon region of the Republic of Sakha (Yakutia), Russia. *Biological research*, 47(1): 1-6.

- Piay, S.S., Tyasdjaja, A., Ermawati, Y., Hantoro F. 2010. *Budidaya dan Pascapanen Cabai Merah (Capsicum annum L.)*. Ungaran: BPTP Jawa Tengah.
- Pérez Vicente, L. F., Dita, M., & Martinez De La Parte, E. 2014. *Technical Manual: Prevention and diagnostic of Fusarium Wilt (Panama disease) of banana caused by Fusarium oxysporum f. sp. cubense Tropical Race 4 (TR4)*. Food And Agriculture Organization Of The United Nations.
- Popelka, P., Karel, Š., 2017. Determination of Capsaicin Content and Pungency Level of Different Fresh and Dried Chilli Peppers. *Folia Veterinaria* 61, 11–16.
- Putra, C. B. 2023. *Uji Aktivitas Antibakteri Ekstrak Etanol 70%, Etil Asetat, N-Heksana Cabai Merah (Capsicum annum L.) Terhadap Staphylococcus Aureus* (Doctoral dissertation, STIKes Panti Waluya Malang).
- Ruangwong, O.-U., Pornsuriya, C., Pitija, K., & Sunpapao, A. 2021. Biocontrol mechanisms of *Trichoderma koningiopsis* PSU3-2 against postharvest anthracnose of chili pepper. *Journal of Fungi*.
- Saini T.J., Tiwari A., Yeole M., Gupta S. 2021. Effect of pungency levels of *Capsicum* spp. fruits on tolerance to anthracnose. *Physiol. Mol. Plant Pathol.* ;116:101720.
- Santos, M., Motta, O., Viera, I., Filho, R., Goncalves, P., Maria, J., Terra, W., Rodrigues, R., Souza, C. 2012. Antibacterial Activity of *Capsicum annum* Extract and Synthetic Capsaicinoid Derivatives Against *Streptococcus mutans*. *J.Nat Med.* 66: 354-356.
- Santoso, J., Anwariyah, S., Rumiantin, R. O., Putri, A. P., Ukhty, N., & YoshieStark, Y. 2012. Phenol content, antioxidant activity and fibers profile of four tropical seagrasses from Indonesia. *Journal of Coastal Development*, 15(2), 189-196.
- Sari, Y., dan Utari, S. 2021. Aktivitas Antifungi Saponin Bunga Kamboja Putih (*Plumeria acuminata*) pada *Candida albicans* ATCC 10231. *Jurnal Metamorfosa*. 8(1): 74-80
- Soesanto, L. 2013. *Pengantar Pengendalian Hayati Penyakit Tanaman*. Jakarta: Raja Grafindo Persada.
- Soleha, S., Muslim, A., Suwandi, S., Kadir, S., & Pratama, R. (2022). The identification and pathogenicity of *Fusarium oxysporum* causing acacia seedling wilt disease. *Journal of Forestry Research*, 33(2), 711-719.
- Sudarmadji, S., B. Haryono, dan Suhardi. 2010. *Prosedur Analisa untuk Bahan Makanan dan Pertanian*. Yogyakarta: Penerbit Liberty.

- Sumampouw, O. J. 2010. Uji in vitro aktivitas antibakteri dari daun sirih. *JURNAL BIOMEDIK: JBM*, 2(3).
- Syaifudin, A., & Kasiamdari, R. S. (2022). The inhibition of Fusarium wilt in chili by endophytic fungi isolated from green betel (*Piper betle* L.) leaf. *Journal of Natural Sciences and Mathematics Research*. <https://doi.org/10.21580/jnsmr.2022.8.2.13795>
- Tripathy, V., Sharma, K. K., George, T., Patil, C. S., Saindane, Y. S., Mohapatra, S., ... Walia, S. (2021). Dissipation kinetics and risk assessment of iprovalicarb + propineb fungicide in tomato under different agroclimates. *Environmental Science and Pollution Research*. doi:10.1007/s11356-021-12919-5
- Thanoon, A., & Khalil, A. Y. (2023). Fusariumoxysporum f. sp. tuberosi causing wilt disease on potato plants in Iraq. *NTU Journal of Agriculture and Veterinary Science*, 3(4).
- Vani, M. S., Kumar, S., & Gulya, R. (2019). In vitro evaluation of fungicides and plant extracts against Fusarium oxysporum causing wilt of mungbean. *Pharma Innov*, 8, 297-302.
- Veloso J., Prego C., Varela M.M., Carballeira R., Bernal A., Merino F., Díaz J. 2014. Properties of capsaicinoids for the control of fungi and oomycetes pathogenic to pepper. *Plant Biol*. 16:177–185.
- Wahyuni, E., Ballester, A., Sudarmonowati, E., Bino, R., Bovy, A. 2011. Metabolite biodiversity in pepper (*Capsicum*) fruits of thirty-two diverse accessions: Variation in health-related compounds and implications for breeding. *Phytochemistry*, 72(11-12): 1358-1370.
- Wijaya, C.H., Harda, M., Rana, B. 2020. Diversity and Potency of *Capsicum* spp. Grown in Indonesia, in: *Capsicum. Intechopen*, pp. 1–22.
- Wilson, I. D. 2000. *Encyclopedia of Separation Science*. New York: Academic-Press,
- Wiriyanta. 2006. *Bertanam Cabai pada Musim Hujan*. Tangerang: Agromedia.
- Yadeta, K.A. , & Thomma, J.B.P. 2013. The xylem as battleground for plant hosts and vascular wilt pathogens. *Frontiers in Plant Science*, 4, 97.
- Yalew, S. T. (2020). Review on antibiotic resistance: resistance mechanisms, methods of detection and its controlling strategies. *Biomedical Journal of Scientific & Technical Research*, 24(5), 18651-18657.

Zearah, S. A. 2014. Antifungal and antibacterial activity of flavonoid extract from *Terminalia chebula* Retz. fruits. *Journal of Basrah Researches (Sciences)*, 40: (1A), 122–131.