

DAFTAR PUSTAKA

- Adamu, A., K. Ahmad, Y. Siddiqui, I. S. Ismail, N. Asib, A. B. Kutawa, F. Adzmi, M. R. Ismail, and Z. Berahim. 2021. Ginger essential oils-loaded nanoemulsions: potential strategy to manage bacterial leaf blight disease and enhanced rice yield. *Molecules*, 26 (13): 1-15. DOI: 10.3390/molecules26133902.
- Amin, T., V. Gupta, A. Sharma, P. K. Rai, V. K. Razdan, S. K. SHrama, S. K. Singh, J. A. Lone, M. Yaqoob, B. Singh, and S. K. Gupta. 2023. Distribution of *Xanthomonas oryzae* pv. *oryzae* pathotypes in Basmati-Rice-Growing Areas of Jammu and Kashmir, India. *Agronomy*, 13 (713): 1-22. DOI: <https://doi.org/10.3390/agronomy13030713>.
- An, S. Q., N. Potnis, M. Dow, F. J. Vorholter, Y. Q. He, A. Becker, D. Teper, Y. Li, N. Wang, L. Bleris, and J. L. Tang. 2019. Mechanistic insights into host adaptation, virulence and epidemiology of the phytopathogen *Xanthomonas*. *FEMS Microbiology Reviews*, 44 (1): 1-32. DOI: 10.1093/femsre/fuz024.
- Acs, K., T. Bencsik, A. Boszormenyi, B. Kocsis, and G. Horvath. Essential oils and their vapors as potential antibacterial agents against respiratory tract pathogens. *Natural Product Communications*, 11 (11): 1709-1712. DOI: 10.1177/1934578x1601101121.
- Hamoud, R., F. Sporer, J. Reichling, and M. Wink. Antimicrobial activity of a traditionally used complex essential oil distillate (Olbas® Tropfen) in comparison to its individual essential oil ingredients. *Phytomedicine*, 19 (11): 969-976. DOI: 10.1016/j.phymed.2012.05.014.
- Horváth, G., N. Jámbo, E. Kocsis, A. Böszörményi, É. Lemberkovics, É. Héthelyi, K. Kovács, and B. Kocsis. Role of direct bioautographic method for detection of antistaphylococcal activity of essential oils. *Natural Product Communications*, 6 (9): 1379-1384. DOI: 10.1177/1934578x1100600939.
- Salem, N., S. Kefi, O. Tabben, A. Ayed, S. Jallouli, N. Feres, M. Hammami, S. Khammassi, I. Hrigua, S. Nefisi, A. Sghaier, F. Limam, and S. Elkahoui. Variation in chemical composition of *Eucalyptus globulus* essential oil under phenological stages and evidence synergism with antimicrobial standards. *Industrial Crops Products*, 124 (15): 115-125. DOI: <https://doi.org/10.1016/j.indcrop.2018.07.051>.
- Tohidpour, A., M. Sattari, R. Omidbaigi, A. Yadegar, and J. Nazemi. Antibacterial effect of essential oils from two medicinal plants against Methicillin-resistant *Staphylococcus aureus* (MRSA). *Phytomedicine*, 17 (2): 142-145. DOI: <https://doi.org/10.1016/j.phymed.2009.05.007>.
- Anonim. 2007. *Xanthomonas oryzae*. Bulletin OEPP/EPPO Bulletin 37, 543-553.
- Ansari, T. H., M. Ahmed, A. Ara, M. A. I. Khan, M. S. Mian, Q. S. A. Zahan, and M. Tomita. 2018. Yield loss assessment of rice due to bacterial blight at different resistance level. *Bangladesh Journal Plant Pathology*, 34 (1&2): 71-76.

- Antar, A., M. A. Lee, Y. Yoo, M. H. Cho, and S. W. Lee. 2020. PXO_RS20535, encoding a novel response regulator, is required for chemotactic motility, biofilm formation, and tolerance to oxidation stress in *Xanthomonas oryzae* pv. *oryzae*. *Pathogens*, 9 (956): 1-18. DOI:10.3390/pathogens9110956.
- Asiaei, E. O., E. Moghimipour, and M. H. Fakoor. 2018. Evaluation of Antimicrobial Activity of Eucalyptus camaldulensis Essential Oil Against the Growth of Drug-Resistant Bacteria. *Jundishapur Journal of Natural Pharmaceutical Products*, 13 (4): 1-7. DOI: 10.5812/jjnpp.65050.
- Bakhtiar, L. Hakim, E. Hayati, dan S. Zakaria. 2015. Padi lokal Aceh penyakit hawar daun bakteri. *Prosiding Seminar Nasional Biotik*, 3 (1): 377-381.
- Bande, L. O. S., A. Atte, A. Rahman, M. Taufik, Syair, Mariadi, dan M. Boteq. 2022. Studi penyakit hawar daun bakteri (*Xanthomonas oryzae* pv. *oryzae*) pada tanaman padi sawah varietas Mekongga di Desa Lebo Jaya Kecamatan Konda Kabupaten Konawe Selatan. *Journal of Agricultural Science*, 02 (01): 235-240. ISSN: 2338-7882.
- Bhat, I. M., S. M. Wani, S. A. Mir, and F. A. Masoodi. 2022. Advances in xanthan gum production, modifications and its applications. *Biocatalysis and Agricultural*, 42(2022): 1-14. doi: <https://doi.org/10.1016/j.bcab.2022.102328>.
- BPS (Badan Pusat Statistik. 2023. Luas Panen, Produksi, dan Produktivitas Padi Menurut Provinsi 2020-2022. <<https://www.bps.go.id/indicator/53/1498/1/luas-panen-produksi-dan-produktivitas-padi-menurut-provinsi.html>>. Diakses tanggal 02 Januari 2023.
- Cândido, A. C. S., S. P. Q. Scalón, C. B. Silva, E. Simionatto, A. F. Morel, C. Z. Stüker, M. F. C. Matos, and M. L. T. P. Peres. 2020. Chemical composition and phytotoxicity of essential oils of *Croton doctoris* S. Moore (Euphorbiaceae). *Brazilian Journal of Biology*, 82 (2022): 1-11. DOI: <https://doi.org/10.1590/1519-6984.231957>.
- Chamnongpol, S., S. Mongkolsuk, P. Vattanaviboon, and M. Fuangthong. 1995. Unusual growth phase and oxygen tension regulation of oxidative stress protection enzymes, catalase and superoxide dismutase, in the phytopathogen *Xanthomonas oryzae* pv. *oryzae*. *Applied and Environmental Microbiology*, 61 (1): 393-396. DOI: 0099-2240/95/\$04.0010.
- Chouhan, S., K. Sharma, and S. Guleria. 2017. Antimicrobial activity of some essential oils – present status and future perspectives. *Medicines (Basel)*, 4 (3): 1-21. DOI: 10.3390/medicines4030058.
- Das, S. K., A. Roy, and H. Barman. 2016. Fungi toxic efficiency of some plant volatile essential oils against plant pathogenic fungi. *African Journal of Microbiology Research*, 10 (37): 1581-1585. DOI: 10.5897/AJMR2015.7856.

- Dhifi, W., S. Bellili, S. Jazi, N. Bahloul, and W. Mnif. 2016. Essential oils' chemical characterization and invertigation of some biological activites: a critical review. *Medicines (Basel)*, 3 (4): 1-16. DOI: 10.3390/medicines3040025.
- Elangovan, S., and P. Mudgil. 2023. Antibacterial properties of *Eucalyptus globulus* essential oil against MRSA: a systematic review. *Antibiotics*, 12 (474): 1-18. DOI: <https://doi.org/10.3390/antibiotics12030474>.
- El-Mohamedy, R. S. R. 2017. Plant essential oils for controlling plant pathogenic fungi. *Volatiles and Food Security*, Springer Singapore (2017): 171-198. DOI: 10.1007/978-981-10-5553-9_9.
- Habibi, I., dan A. S. Fuadah. 2021. Pengaruh tanaman refugia terhadap populasi musuh alami wereng batang coklat (*Nilaparvata lugens* Stal.) pada budidaya tanaman padi (*Oryza sativa* L.). *Jurnal Teknologi Terapan*, 4 (2): 319-325.
- Han, Y., and T. J. Kim. 2018. Nitrogen sources inhibit biofilm formation by *Xanthomonas oryzae* pv. *oryzae*. *J. Microbiol. Biotechnol.*, 28 (12): 2071-2078. DOI: <https://doi.org/10.4014/jmb.1807.08025>.
- Hulankova, R. 2022. The influence of liquid medium choice in determination of minimum inhibitory concentration of essential oils against pathogenic bacteria. *Antibiotics*, 11 (150): 1-9. DOI: <https://doi.org/10.3390/antibiotics11020150>.
- IRRI (International Rice Research Institute). 2002. Standard Evaluation System for Rice (Ses). International Rice Research Institute, Los Banos, Filipina.
- Isman, M. B. 2000. Plant essential oils for pest and disease management. *Crop Protection*, 19 (8-10): 603-608. DOI: [https://doi.org/10.1016/S0261-2194\(00\)00079-X](https://doi.org/10.1016/S0261-2194(00)00079-X).
- Jepson, S. B. 2022. Bacterial blight of rice. <<https://bpp.oregonstate.edu/>>. Diakses tanggal 06 Oktober 2023.
- Ke, Y., S. Hui, and M. Yuan. 2017. *Xanthomonas oryzae* pv. *oryzae* inoculation and growth on rice by leaf clipping method. *Bio-Protocol*, 17 (9): 1-7. DOI: 10.21769/BioProtoc.2568.
- Khan, M., A. U. Khan, N. Bogdanchikova, and D. Garibo. 2021. Antibacterial and antifungal studies of biosynthesized silver nanoparticles against plant parasitic nematode *Meloidogyne incognita*, plant pathogens *Ralstonia solanacearum* and *Fusarium oxysporum*. *Molecules*, 26 (9): 1-14. DOI: <https://doi.org/10.3390/molecules26092462>.
- Khulillah, I. N., A. L. Abadi, dan L. Q. Aini. 2019. Pengaruh fungisida terhadap keanekaragaman bakteri tanah di Kota Batu. *Jurnal Tanah dan Sumberdaya Lahan*, 6 (2): 1209-1218. DOI: 10.21776/ub.jtsl.2019.006.2.1.
- Kiranmayi, P., M. Madhavi, P. Sujatha, and T. K. Babu. 2022. Detection of *Xnthomonas oryzae* pv. *oryzae* in BLB paddy seed samples from endemic

regions of Telangana State, India. *International Journal of Environment and Climate Change*, 12 (11): 3158-3166. DOI: 10.9734/IJECC/2022/v12i111363.

- Kotan, R., F. Dadasoglu, K. Karagoz, A. Cakir, H. Ozer, S. Kordali, R. Cakmakci, and N. Dikbas. 2013. Antibacterial activity of the essential oil and extracts of *Satureja hortensis* against plant pathogenic bacteria and their potential use as seed disinfectants. *Scientia Horticulturae*, 153 (2013): 34-41. DOI: <http://dx.doi.org/10.1016/j.scienta.2013.01.027>.
- Lang, J. M., A. L. P. Quintero, R. Koebnik, E. DuChame, S. Sarra, H. Doucoure, I. Keita, J. Ziegler, J. M. Jacobs, R. Olivia, O. Koita, B. Szurek, V. Verdier, and J. E. Leach. 2019. A pathovar of *Xanthomonas oryzae* pv. *oryzae* infecting wild grasses provides insight into the evolution of pathogenicity in rice agroecosystems. *Frontiers in Plant Science*, 10 (507): 1-15. DOI: 10.3389/fpls.2019.00507.
- Li, Y., Y. Yan, S. Deng, C. Zhang, F. Haq, T. Chen, Y. Li, S. Li, R. Yang, L. Zou, and G. Chen. 2020. The *Xanthomonas oryzae* pv. *oryzae* type IV pilus alignment subcomplex protein PilN contributes to regulation of bacterial surface-associated behaviours and T3SS system. *Plant Pathology*, 69 (2020): 744-755. DOI: 10.1111/ppa.13157.
- Maryam, N., E. Shad, M. Razmjooei, R. Safdarianghomsheh, F. Delvigne, and M. Khalesi. 2020. Production of xanthan gum using immobilized *Xanthomonas campestris* cells: effects of support type. *Biochemical Engineering Journal*, 157 (2020): 1-13. DOI: <https://doi.org/10.1016/j.bej.2020.107554>.
- Mishra, S., X. Yang, S. Ray, L. F. Fraceto, and H. B. Singh. 2020. Antibacterial and biofilm inhibition activity of biofabricated silver nanoparticles against *Xanthomonas oryzae* pv. *oryzae* causing blight disease of rice instigates disease suppression. *World Journal of Microbiology and Biotechnology*, 36 (55): 1-10. DOI: <https://doi.org/10.1007/s11274-020-02826-1>.
- Misra, S., P. K. Keer, and S. Roy. 2022. Essential oils for a healthy environment: a systematic review study in various industries promoting tourism, hospitality sectors. *International Journal of Health Sciences*, 6 (S3): 9048-9055. DOI: <https://doi.org/10.53730/ijhs.v6nS3.8220>.
- Mondal, S., M. E. Hossien, M. A. Akter, M. M. Haque, M. A. Ali, and M. R. Islam. 2019. Survival and transmission of *Xanthomonas oryzae* pv. *oryzae* in rice seed. *Fundamental and Applied Agriculture*, 4 (1): 680-688. DOI: 10.5455/faa.294248.
- Mulyaningsih, S., F. Sporer, J. Reichling, and M. Wink. 2011. Antibacterial activity of essential oils from Eucalyptus and of selected components against multidrug-resistant bacterial pathogens. *Pharm Biol.*, 49 (9): 893-899. DOI: 10.3109/13880209.2011.553625.
- Montesinos, L., A. Baró, B. Gascón, and E. Montesinos. 2023. Bactericidal and plant defense elicitation activities of Eucalyptus oil decrease the severity of infections

by *Xylella fastidiosa* on almond plants. *Frontiers in Plant Science*, 14 (2021). DOI: 10.3389/fpls.2023.1122218.

Mudiyono dan Wasino. 2017. Perkembangan Tanaman Pangan di Indonesia Tahun 1945-1965. *Journal of Indonesian History*, 4 (1): 38-45.

Mukarram, M., S. Choudhary, M. A. Khan, P. Poltronieri, M. M. A. Khan, J. Ali, D. Kurjak, and M. Shahid. 2022. Lemongrass essential oil components with antimicrobial and anticancer activities. *Antioxidants (Basel)*, 11 (1): 1-23. DOI: 10.3390/antiox11010020.

Mulyaningsih, S., F. Sporer, J. Reichling, and M. Wink. 2011. Antibacterial activity of essential oil from *Eucalyptus* and of selected components against multidrug-resistant bacterial pathogens. *Pharmaceutical Biology*, 49 (9): 893-899. DOI: 10.3109/13880209.2011.553625Pharmaceutical.

Bailly, C. Targets and pathways involved in the antitumor activity of citral and its stereo-isomers. *European Journal of Pharmacology*, 871 (15): 1-10. DOI: <https://doi.org/10.1016/j.ejphar.2020.172945>.

N'goye, W. B., A. Schubert, R. A. Ammar, C. Vissiennon, V. Ahyi, Z. Vissiennon, and G. Dramane. 2022. Antifungal activity of certain plants of benin on *Fusarium graminearum* cereals pathogens. *Asian Journal of Biology*, 16 (3): 18-28. DOI: 10.9734/AJOB/2022/v16i3303.

Naik, M. I., B. A. Fomda, E. Jaykumar, and J. A. Bhat. 2010. Antibacterial activity of lemongrass (*Cymbopogon citratus*) oil against some selected pathogenic bacterias. *Asian Pacific Journal of Tropical Medicine*, 3 (7): 535-538.

Naqvi, S. A. H. 2019. Bacterial leaf blight of rice: an overview of epidemiology and management with special reference to Indian sub-continent. *Pakistan Journal of Agricultural Research*, 32 (2): 359-380. DOI <http://dx.doi.org/10.17582/journal.pjar/2019/32.2.359.380>.

Naqvi, S. A. H., U. D. Umar, A. Hasnain, A. U. Rehman, and R. Perveen. 2018. Effect of botanical extract: a potential biocontrol agent for *Xanthomonas oryzae* pv. *oryzae*, causing bacterial leaf blight disease of rice. *Pakistan Journal of Agricultural Research*, 32 (1): 59-72. DOI: <http://dx.doi.org/10.17582/journal.pjar/2019/32.1.59.72>.

Nguefack, J., I. Somda, C. N. Mortensen, P. H. A. Zollo, 2005. Evaluation of five essential oils from aromatic plants of Cameroon for controlling seed-borne bacteria of rice (*Oryza sativa* L.). *Seed Science and Technology*, 33 (2): 397-407.

Ou, S. H. 1985. *Rice Diseases*. Commonwealth Mycological Institute, England.

Palma, V., M. S. Gutiérrez, O. Vargaz, R. Parthasarathy, and P. Navarrete. 2022. Methods to evaluate bacterial motility and its role in bacterial–host interactions. *Microorganisms*, 10 (563): 1-14. DOI: <https://doi.org/10.3390/microorganisms10030563>.

- Park, Y. L., and J. H. Tak. 2016. Essential oil for arthropod pest management in agricultural production system. *Essential Oils in Food Preservation, Flavor and Safety*, (2016): 61-70. DOI: <https://doi.org/10.1016/B978-0-12-416641-7.00006-7>.
- Picchi, S. C., L. M. Granato, M. J. F. Franzini, M. O. Andrade, M. A. Takita, M. A. Machado, and A. A. de Souza. 2021. Modified monosaccharides content of *Xanthan gum* impairs citrus canker disease by affecting the epiphytic lifestyle of *Xanthomonas citri* subsp. *citri*. *Microorganisms*, 9 (6): 1-13. DOI: 10.3390/microorganisms9061176.
- Pradhanang, P. M., M. T. Momol, S. M. Olson, and J. B. Jones. 2003. Effects of plant essential oils on *Ralstonia solanacearum* population density and bacterial wilt incidence in tomato. *Plant Disease*, 87 (4): 423-427.
- Purwadi, dan A. H. Nasyuha. 2022. Implementasi teorema bayes untuk diagnosis penyakit hawar daun bakteri (kresek) dan penyakit blas tanaman padi. *Jurnal Riset Komputer*, 9 (4): 777-783. DOI 10.30865/jurikom.v9i4.4350
- Purwansyah, T. S., D. Rosanti, dan T. Kartika. 2021. Morfometri beberapa varietas tanaman padi (*Oryza sativa* L.) di Kecamatan Pulau Rimau Banyuasin. *Jurnal Indobiosains*, 3 (2): 28-38.
- Raveau, R., J. Fontaine, and A. L. H. Sahroui. 2020. Essential oil as potential alternative biocontrol products against plant pathogens and weeds: a review. *Foods*, 9 (3): 1-31. DOI: <https://doi.org/10.3390/foods9030365>.
- Reinke, R., S. M. Kim, and B. K. Kim. 2018. Developing *japonica* rice introgression lines with multiple resistance genes for brown planthopper, bacterial blight, rice blast, and rice stripe virus using molecular breeding. *Molecular Genetics and Genomics*, 293 (6): 1565-1575. DOI: <https://doi.org/10.1007/s00438-018-1470-1>.
- Romero, A. C., M. X. Q. Carvajal, and Y. Ruiz. 2018. Stability and antimicrobial activity of eucalyptus essential oil emulsion. *Food Science and Technology International*, 25 (1): 24-37. DOI: 10.1177/1082013218794841.
- Safrizal, Lisnawati, K. Lubis, F. J. M. Maathuis dan I. Safni. 2020. Mapping bacterial leaf blight disease of rice (*Xanthomonas oryzae* pv *oryzae*) in North Sumatra. *IOP Conf. Series: Earth and Environmental Science* 454 (2020): 1-7. DOI 10.1088/1755-1315/454/1/012160.
- Saldon, A. E., and D. W. Lamson. 2010. Immune-modifying and antimicrobial effects of eucalyptus oil and simple inhalation devices. *Alternative Medicine Review*, 15 (1): 33-43.
- Silalahi, M. 2020. Essential oil pada *Cymbopogon citratus* (DC.) Stapf dan bioaktivitasnya. *Titian Ilmu: Jurnal Ilmiah Multi Sciences*, 12 (1): 7-13. DOI: <https://doi.org/10.30599/jti.v12i1.538>.

- Singh, A., R. Gupta, S. Tandon, and R. Pandey. 2017. Thyme oil reduce biofilm formation and impairs virulence of *Xanthomonas oryzae*. *Frontiers in Microbiology*, 8 (1074): 1-16. DOI: 10.3389/fmicb.2017.01074.
- Subramaniam, G., X. Y. Yew, and L. A. Sivasamugham. 2020. Antibacterial activity of *Cymbopogon citratus* against clinically important bacteria. *South African Journal of Chemical Engineering*, 34 (2020): 26-30. DOI: <https://doi.org/10.1016/j.sajce.2020.05.010>.
- Sudir, B. Nuryanto, dan T. S. Kadir. 2012. Epidemiologi, patotipe, dan strategi pengendalian penyakit hawar daun bakteri pada tanaman padi. *IPTEK Tanaman Pangan*, 7 (2): 79-87.
- Sudir, D. Yuliani, dan L. Wirajaswadi. 2015. Komposisi dan sebaran patotipe *Xanthomonas oryzae* pv. *oryzae*, penyakit pada padi di Nusa Tenggara Barat. *Penelitian Pertanian Tanaman Pangan*, 34 (2): 113-120.
- Sudir, Suprihanto, dan T. S. Kadir. 2009. Identifikasi patotipe *Xanthomonas oryzae* pv. *oryzae*, penyebab penyakit hawar daun bakteri di sentra produksi padi di Jawa. *Penelitian Pertanian Tanaman Pangan*, 28 (3): 131-138.
- Sulartini, N. W. S., G. R. Sadimantara, T. Wijayanto, dan Muhidin. 2011. Pengujian kadar antosianin padi gogo beras merah hasil koleksi plasma nutfah Sulawesi Tenggara. *Crop Agro*, 4 (2): 43-48.
- Suryadi, Y., D. N., Susilowati, T. S. Kadir, and A. Ruskandar. 2012. Seed-dipping application of local endophytic bacterial consortium against bacterial leaf blight of rice. *Jurnal Agrotropika*, 17 (1): 7-13.
- Suspidayanti, L., dan C. A. Rokhmana. 2021. Identifikasi fase pertumbuhan padi menggunakan citra SAR (*synthetic aperture radar*) sentinel-1. *Jurnal Elipsoida*, 4 (1): 9-15.
- Syamsiah, M. 2015. Efektifitas aplikasi *Paenibacillus polymyxa* dalam pengendalian penyakit hawar daun bakteri pada tanaman padi varietas mekongga. *Jurnal Agroscience*, 5 (1): 24-28. DOI: <https://doi.org/10.35194/agsci.v5i1.588>.
- Tamilsina, S., N. Potnis, E. A. Newberry, P. Liyanapathiranage, F. I. Bocardo, F. F. White, E. M. Goss, and J. B. Jones. 2020. *Xanthomonas* diversity, virulence and plant-pathogen interactions. *Nature Reviews Microbiology*, 18 (8): 415-427. DOI: <https://doi.org/10.1038/s41579-020-0361-8>.
- Thepbandit, W., N. Buensanteai, K. Thumanu, S. Siriwong, T. L. Thanh, and D. Athinuwat. 2021. Salicylic acid elicitor inhibiting *Xanthomonas oryzae* growth, motility, biofilm, polysaccharides production, and biochemical components during pathogenesis on rice. *Chiang Mai Journal Science*, 48 (2): 341-353. DOI: <http://epg.science.cmu.ac.th/ejournal/>.
- Touil, A., and A. H. Ammar. 2017. Experimental design approach for optimization of sucrose fluid bed drying process conditions. *Glob. J. Pharmaceu Sci.*, 4 (1): 1-7. DOI: 10.19080/GJPPS.2017.04.555628.

- USDA (United States Department of Agriculture). 2022. Classification for Kingdom Plantae Down to Species *Oryza sativa* L. <<https://plants.usda.gov/home/classification/24211>>. Diakses tanggal 27 Desember 2022.
- Vasconcelos, L. C., E. D. S. Santos, L. A. Mendes, M. F. D. S. Ferreira, and M. M. P. Fontes. 2021. Chemical composition, phytotoxicity and cytogenotoxicity of essential oil from leaves of *Psidium guajava* L. cultivars. Research, Society and Development, 10 (9): 1-18. DOI: <http://dx.doi.org/10.33448/rsd-v10i9.17710>.
- Wang, B., G. Wu, Y. Zhang, G. Qian, and F. Liu. 2018. Dissecting the virulence-related functionality and cellular transcription mechanism of a conserved hypothetical protein in *Xanthomonas oryzae* pv. *oryzae*. Molecular Plant Pathology, 19 (8): 1859-1872. DOI: 10.1111/mpp.12664.
- Wińska, K., W. Mączka, J. Łyczko, M. Grabarczyk, A. Czubaszek, and A. Szumny. 2019. Essential oils as antimicrobial agents – myth or real alternative?. Molecules, 24 (11): 1-21. DOI: 10.3390/molecules24112130.
- Xue, D., F. Tian, F. Yang, H. Chen, X. Yuan, C. H. Yang, Y. Chen, Q. Wang, and C. He. 2018. Phosphodiesterase EdpX1 promotes *Xanthomonas oryzae* pv. *oryzae* virulence, exopolysaccharide production, and biofilm formation. Applied and Environmental Microbiology, 84 (22), 1-15. DOI: <https://doi.org/10.1128/AEM.01717-18>.
- Yanuar, A., S. D. Nurcahyanti, dan H. S. Addy. 2016. Potensi agens hayati dalam menekan perkembangan penyakit hawar daun bakteri (*Xanthomonas oryzae* pv. *oryzae*) pada padi. Jurnal Agroteknologi Tropika, 5 (2): 70-76.
- Yuliani, D., Suprihanto, dan Sudir. 2021. Ketahanan varietas unggul baru dan galur isogenik padi terhadap penyakit hawar daun bakteri pada kondisi lapangan. Jurnal Penelitian Pertanian Tanaman Pangan, 5 (1): 15-24. DOI: <http://dx.doi.org/10.21082/jpntp.v5n1.2021.p15-24>.