

DAFTAR PUSTAKA

- Aristya, G.R. dan B.S. Daryono. 2013. Pengembangan dan pewarisan sifat ketahanan penyakit powdery mildew pada tanaman melon (*Cucumis melo* L.) var. Tacapa. *Jurnal Penelitian Dan Pengembangan Pemerintah Daerah DIY*, 7(7): 47-52.
- Aumentado, H. and M.A. Balendres. 2022. Molecular identification of *Podosphaera xanthii* and susceptibility of *Vigna* species genotypes to natural infection of powdery mildew. *Malaysian Journal of Fundamental and Applied Sciences*, 18: 684-692. DOI: 10.11113/mjfas.v18n6.2701
- Bakhat, N., A. Vielba-Fernández, I. Padilla-Roji, J. Martínez-Cruz, A. Polonio, D. Fernández-Ortuño, and A. Pérez-García. 2023. Suppression of chitin-triggered immunity by plant fungal pathogens: a case study of the cucurbit powdery mildew fungus *Podosphaera xanthii*. *Jurnal of Fungi*, 9: 1-22. DOI: 10.3390/jof9070771
- Bandamaravuri, K.B., A.K. Nayak, A.S. Bandamaravuri, and A. Samad. 2020. Simultaneous detection of downy mildew and powdery mildew pathogens on *Cucumis sativus* and other cucurbits using duplex-qPCR and HRM analysis. *AMB Express*, 10: 1-11. DOI: 10.1186/s13568-020-01071-x
- BPS. 2024. Produksi Tanaman Buah-buahan, 2021-2023. <
<https://www.bps.go.id/id/statistics-table/2/NjIjMg==/produksi-tanaman-buah-buahan.html>>. Diakses pada 18 Oktober 2024.
- Braun, U. 2013. Proposals to conserve the teleomorph-typified name *Blumeria* against the anamorph-typified name *Oidium* and twenty two teleomorph-typified powdery mildew species names against competing anamorph-typified names (Ascomycota: Erysiphaceae). *Taxon*, 62:1328-1331. DOI: <http://dx.doi.org/10.12705/626.20>
- Braun, U. and R.T.A. Cook. 2012. The taxonomic manual of the Erysiphales (powdery mildews). *CBS Biodiversity Series*, 11: 1-707.
- Byron, M., D. Treadwell, and P. Dittmar. 2019. Weeds as reservoirs of plant pathogens affecting economically important crops. *Horticultural Science*, 5: 1-7. DOI: 10.32473/edis-hs1335-2019
- Caligiore-Gei, P.F., P. Della-Gaspera, E. Benitez, and C. Tarnowski. 2022. Cucurbit powdery mildew: first insights for the identification of the causal agent and screening for resistance of squash genotypes (*Cucurbita moschata* (Duchesne ex Lam.) Duchesne ex Poir.) in Mendoza, Argentina. *Plant Pathology Journal*, 38(4): 296-303. DOI: 10.5423/PPJ.OA.01.2022.0002
- Daryono, B.S., dan H.C. Yembise. 2018. Deteksi gen ketahanan terhadap powdery mildew pada melon (*Cucumis melo* L. 'Aramis'). *Biogenesis*, 6(2): 124-130. DOI: 10.24252/bio.v6i2.5068



- Fei, W. and Y. Liu. 2023. Biotrophic fungal pathogens: a critical overview. *Applied Biochemistry and Biotechnology*, 195: 1-16. DOI: 10.1007/s12010-022-04087-0
- Fergany, M., B. Kaur, A.J. Monforte, M. Pitrat, C. Rys, H. Lecoq, N.P.S. Dhillon, and S.S Dhaliwal. 2011. Variation in melon (*Cucumis melo*) landraces adapted to the humid tropics of southern India. *Genetic Resources and Crop Evolution*, 58: 225-243. DOI: 10.1007/s10722-010-9564-6
- Firgiyanto, R., F.Y. Ali, L. Kurniasari, dan H. Prasetyo. 2023. Pengembangan inovasi melon art dan peningkatan branding melon premium di TEFA Smart Green House Politeknik Negeri Jember. National Conference for Community Service (NaCosVi): Polije Proceedings Series: 149-154.
- Food and Agricultural Organization. 2023. Pumpkin, squash, and gourd production in the Asia-Pacific region in 2022, by country or territory. <<https://www.statista.com/statistics/681726/asia-pacific-pumpkin-squash-gourd-production-by-country/>> . Diakses pada Oktober 2024.
- Hernawati, D., R.R. Putra, and V. Meylani. 2022. Indigenous vegetables consumed as lalapan by a Sundanese ethnic group in West Java, Indonesia: potential, traditions, local knowledge, and it's future. *South African Journal of Botany*, 151: 133-145. DOI: 10.1016/j.sajb.2022.09.007
- Ishak, M.A., dan B.S. Daryono. 2020. Identifikasi dan analisis ketahanan terhadap penyakit embun tepung pada melon (*Cucumis melo* L.) kultivar meloni. *Bioeduscience*, 4(1): 1-10. 10.29405/j.bes/411-104725
- Ittah, M.A. and E.H. Kwon-Ndung. 2019. Biometrical evaluation of morphological traits in family Cucurbitaceae in Lafia, Nigeria. *Journal of Agriculture and Ecology Research International*, 19(2): 1-9. DOI: 10.9734/JAERI/2019/v19i230078
- Kasiamdari, M.K. Riefani, and B.S. Daryono. 2016. The occurrence and identification of powdery mildew on melon in Java, Indonesia. *AIP Conference Proceedings*, 1744: 1-8. DOI: 10.1063/1.4953524
- Kiss, L. and N. Vaghefi. 2021. First report of powdery mildew of rainforest spinach (*Elatostema reticulatum*), native to Australia, caused by *Podosphaera xanthii*. *Australian Plant Disease Notes*, 16: 1-4. DOI: 10.1007/s13314-021-00424-0
- Kiss, L., J.C. Russell, O. Szentiványi, X. Xu, and P. Jeffries. 2004. Biology and biocontrol potential of *Ampelomyces* mycoparasites, natural antagonists of powdery mildew fungi. *Biocontrol Science and Technology*, 14(7): 635-651. DOI: 10.1080/09583150410001683600
- Kiss, L., N. Vaghefi, K. Bransgrove, J.D.W. Dearnaley, S. Takamatsu, Y.P. Tan, C. Marston, S. Liu, D. Jin, D.L. Adorada, J. Bailey, M.G.C. de Álvarez, A. Daly, P.M. Dirchwolf, L. Jones, T.D. Nguyen, J. Edwards, W. Ho, L. Kelly, S.J.L. Mintoff, J. Morrison, M.Z. Németh, S. Perkins, R.G. Shivas, R. Smith, K. Stuart, R. Southwell, U.



- Turaganivalu, K.Z. Váczy, A.V. Blommestein, D. Wright, A. Young, and U. Braun. 2020. Australia: a continent without native powdery mildews? the first comprehensive catalog indicates recent introductions and multiple host range expansion events, and leads to the re-discovery of *Salmonomyces* as a new lineage of the Erysiphales. *Frontiers in Microbiology*, 11: 1-31. DOI: 10.3389/fmicb.2020.01571
- Křístková, Lebeda, and Sedláková. 2009. Species spectra, distribution and host range of cucurbit powdery mildews in the Czech Republic, and in some other European and Middle Eastern countries. *Phytoparasitica*, 37: 337-350. DOI: 10.1007/s12600-009-0045-4
- Kumar, R. and K.M. Reddy. 2021. Impact of climate change on Cucurbitaceous vegetables in relation to increasing temperature and drought. *Advances in Research on Vegetable Production Under a Changing Climate*, 1: 175-195. DOI: 10.1007/978-3-030-63497-1_9
- Kusch, S., J. Qian, A. Loos, F. Kümmel, P.D. Spanu, and R. Panstruga. 2024. Long-term and rapid evolution in powdery mildew. *Molecular Ecology*, 33(10): 1-22. DOI: 10.1111/mec.16909
- Kuzuya, M., K. Yashiro, K. Tomita, and H. Ezura. 2006. Powdery mildew (*Podosphaera xanthii*) resistance in melon is categorized into two types based on inhibition of the infection processes. *Journal of Experimental Botany*, 57(9): 2093-2100. DOI: 10.1093/jxb/erj166
- Leão1, E.U., N. Silva, K. Cristina G. Rocha, M.A. Pavan, G.C. Adorian, and R. Krause-Sakate. 2019. Morphological and molecular characterization of powdery mildew on watermelon plants in São Paulo state. *Comunicata Scientiae Horticultural Journal*, 10(4): 505-508. DOI: 10.14295/CS.v10i4.2315
- Lebeda, A., E. Křístková, B. Mieslerová, N.P.S. Dhillon, and J.D. McCreight. 2024. Status, gaps and perspectives of powdery mildew resistance research and breeding in cucurbits. *Critical Review in Plant Sciences*, 43(4): 211-290. DOI: 10.1080/07352689.2024.2315710
- Meeboon, J. and S. Takamatsu. 2020. Hosts of asexual morph of *Erysiphe quercicola* from Thailand. *Tropical Plant Pathology*, 45: 122-135. DOI: 10.1007/s40858-019-00326-8
- Meeboon, J., I. Hidayat, and S. Takamatsu. 2016. Notes on powdery mildews (Erysiphales) in Thailand I. *Podosphaera* sect. *Sphaerotheca*. *Plant Pathology & Quarantine*, 6(2): 142-174. DOI: 10.5943/ppq/6/2/5
- Miazzi, M., C. Laguardia, and F. Faretra. 2011. Variation in *Podosphaera xanthii* on Cucurbits in Southern Italy. *Journal of Phytopathology*, 159: 538-545. DOI: 10.1111/j.1439-0434.2011.01801.x



- Mieslerová, B., R.T.A. Cook, C.P. Wheather, and A. Lebeda. 2022. Ecology of powdery mildews – influence of abiotic factors on their development and epidemiology. *Critical Reviews in Plant Sciences*, 41(6): 365-390. DOI: 10.1080/07352689.2022.2138044
- Mondal, B., C.K. Mondal, and P. Mondal. 2020. Diseases of Cucurbits and Their Management. In: *Stresses of Cucurbits: Current Status and Management*. Springer, Singapore. https://doi.org/10.1007/978-981-15-7891-5_3
- Mulpuri, S., P.K. Soni, and S.K. Gonela. 2016. Morphological and molecular characterization of powdery mildew on sunflower (*Helianthus annuus* L.), alternate hosts and weeds commonly found in and around sunflower fields in India. *Phytoparasitica*, 44(3): 353-367. DOI: 10.1007/s12600-016-0531-4
- Nadeem, H., G. Akhtar, and T.A. Khan. 2018. Studies on powdery mildew disease caused by *Podosphaera xanthii* on *Ageratum conyzoides*: a new report of telomorph of *P. xanthii*. *Annual Plant Protection Science*, 26(1): 107-112. DOI: 10.5958/0974-0163.2018.00024.1
- Nayak, A.K. and K.B. Bandamaravuri. 2019. Detection of *Golovinomyces orontii* using species-specific primers and high-resolution melting analysis. *Tropical Plant Pathology*, 44: 343-351. DOI: 10.1007/s40858-019-00289-w
- Olarewaju, O.O., O.O. Fajinmi, G.D. Arthur, R.M. Coopoosamy, and K. Naidoo. Effect of climate change on the production of Cucurbitaceae species in North African countries. *Journal of Agriculture and Food Research*, 14: 100742. DOI: 10.1016/j.jafr.2023.100742
- Panstruga, R. and H. Kuhn. 2019. Mutual interplay between phytopathogenic powdery mildew fungi and other microorganisms. *Molecular Plant Pathology*, 20(4): 463-470. DOI: 10.1111/mpp.12771
- Pirondi, A., A. Pérez-García, G. Battistini, E. Muzzi, A. Brunelli, and M. Collina. 2015. Seasonal variations in the occurrence of *Golovinomyces orontii* and *Podosphaera xanthii*, causal agents of cucurbit powdery mildew in Northern Italy. 2015. *Annals of Applied Biology*, 167(3): 298-313. DOI: :10.1111/aab.12225
- Pirondi, A., A. Pérez-García, I. Portillo, G. Battistini, C. Turan, A. Brunelli, and M. Collina. 2015. Occurrence of chasmothecia and mating type distribution of *Podosphaera xanthii*, a causal agent of cucurbit powdery mildew in Northern Italy. *Journal of Plant Pathology*, 97(2): 307-313. DOI: 10.4454/JPP.V97I2.018
- Pramunadipta, S., A. Widiastuti, A. Wibowo, H. Suga, and A. Priyatmojo. 2022. Identification and pathogenicity of *Fusarium* spp. associated with the sheath rot disease of rice (*Oryza sativa*) in Indonesia. *Journal of Plant Pathology*. 104(1): 251-267. DOI: 10.1007/s42161-021-00988-x



- Priyanka, S., L. Rajendran, R. Anandham, and T. Raguchander. 2020. Characterization of cucurbit powdery mildew by morphological and microscopic studies. *International Journal of Current Microbiology and Applied Sciences*, 9(7): 472-481. DOI: 10.20546/ijcmas.2020.907.052
- Romero, D., A.D. Vicente, H. Zeriuoh, F. Cazorla, D. Fernandez-Ortuno, J. Tores, and A. Perez-Garcia. 2007. Evaluation of biological control agents for managing cucurbit powdery mildew on *greenhouse*-grown melon. *Plant Pathology*, 56: 976-986. DOI: 10.1111/j.1365-3059.2007.01684.x
- Takamatsu, S. 2013. Origin and evolution of the powdery mildews (Ascomycota, Erysiphales). *Mycoscience*, 54: 75-86. DOI: 10.1016/j.myc.2012.08.004
- Trecate, L., B. Sedláková, B. Mieslerová, V. Manstretta, V. Rossi, and A. Lebeda. 2019. Effect of temperature on infection and development of powdery mildew on cucumber. *Plant Pathology*, 68(6): 1165-1178. DOI: 10.1111/ppa.13038
- Vielba-Fernández, A., Á. Polonio, L. Ruiz-Jiménez, A. de Vicente, A. Pérez-García, and D. Fernández-Ortuño. 2020 Fungicide resistance in powdery mildew fungi. *Microorganisms*, 8. DOI: 10.3390/microorganisms8091431
- Yeh, Y., T. Wu, H. Wen, H. Jair, M. Lee, and R. Kirschner. 2021. Host plants of the powdery mildew fungus *Podosphaera xanthii* in Taiwan. *Tropical Plant Pathology*, 46: 44-61. DOI: 10.1007/s40858-020-00393-2