

## DAFTAR PUSTAKA

- Aini, F.N. 2014. Pengendalian Penyakit Pembuluh Kayu (Vascular Streak Dieback) pada Tanaman Kakao Menggunakan Fungisida Flutriafol. *Pelita Perkebunan* 30(3):229-239.
- Agrios, G. N. 2005. *Plant Pathology* (5th ed). Elsevier Academic Press, San Diego.
- Andriani, D., S. Wiyono, and Widodo. 2017. Sensitivitas *Colletotrichum* spp. pada Cabai terhadap Benomil, Klorotalonil, Mankozeb, dan Propineb. *Jurnal Fitopatologi Indonesia* 13(4):119-126.
- Anonim. 2015. Triazole fungicides. <https://apvma.gov.au/node/19371>. Diakses pada 13 Juni 2021.
- Anonim. 2016. Amistar Top 325 SC. <https://www.syngenta.com.sg/product/crop-protection/fungicide/amistar-top-325-sc>. Diakses 30 Juni 2021.
- Anonim. 2017. Identifikasi Penyakit Utama Bawang Merah Di Maluku Utara. <https://malut.litbang.pertanian.go.id/index.php/berita/6-ekspose/471-identifikasi-penyakit-utama-bawang-merah>. Diakses 15 Juni 2021.
- Asputri, N.U., L.Q. Aini, and A.L. Abadi. 2013. Pengaruh Aplikasi *Pyraclostrobin* Terhadap Serangan Penyebab Penyakit Bulai Pada Lima Varietas Jagung (*Zea mays*). *Jurnal HPT* 1(3):77-84.
- Astuti, Y.F., T. Maryono, J. Prasetyo, and S. Ratih. 2014. Pengaruh Fungisida Propineb Terhadap *Colletotrichum* spp. Penyebab Penyakit Antraknosa Pada Cabai Merah. *Jurnal Agrotek Tropika* 2(1):144-148.
- Bartlett, D.W., J.M. Clough, J.R. Godwin, A.A. Hall, M. Hamer, & B. Parr-Dobrzanski. 2002. The strobilurin fungicides. *Pest Management Science* 58(7):649-662.
- Battaglin, W.A., M.W. Sandstrom, K.M. Kuivila, D.W. Kolpin, and M.T. Meyer. 2011. Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams, 2005-2006. *Water, Air, & Soil Pollution* 218:307-322.
- Bruzzoniti, M.C., L. Checchini, R.M. De Carlo, S. Orlandini, L. Rivoira, & M. Del Bubba. 2014. QuEChERS sample preparation for the determination of pesticides and other organic residues in environmental matrices: a critical review. *Analytical and Bioanalytical Chemistry* 406(17):4089-4116.
- Carisse, O. 2010. Fungicides. InTech Open. Rijeka.
- Degani, O. and B. Kalman. 2021. Assessment of Commercial Fungicides against Onion (*Allium cepa*) Basal Rot Disease Caused by *Fusarium oxysporum* f. sp. *cepae* and *Fusarium acutatum*. *Journal of Fungi* 7(3):235.
- Firdaus, M.N., D. Hariyono, and A. Suryanto. 2017. Pengaruh Penggunaan Jaring pada Tiga Varietas Tanaman Bawang Merah (*Allium ascalonicum* L.). *Jurnal Produksi Tanaman* 5(9):1453-1459.
- Frac, M., A. Gryta, K. Oszust, and N. Kotowicz. 2016. Fast and Accurate Microplate Method (Biolog MT2) for Detection of *Fusarium* Fungicides Resistance/Sensitivity. *Frontiers in Microbiology* 7:489.
- Fungicide Resistance Action Committee. 2016. FRAC LIST OF FUNGICIDE COMMON NAMES – 2016. [https://www.frac.info/docs/default-source/publications/frac-list-of-fungicide-common-names/frac-list-of-fungicide-common-names-\(2016v2\).pdf?sfvrsn=ff7f4a9a\\_2&sfvrsn=ff7f4a9a\\_2](https://www.frac.info/docs/default-source/publications/frac-list-of-fungicide-common-names/frac-list-of-fungicide-common-names-(2016v2).pdf?sfvrsn=ff7f4a9a_2&sfvrsn=ff7f4a9a_2). Diakses 27 Juli 2021.

- Gustafsson, K., E. Blidberg, I.K. Elfgren, A. Hellström, H. Kylin, and E. Gorokhova. 2009. Direct and indirect effects of the fungicide azoxystrobin in outdoor brackish water microcosms. *Ecotoxicology* 19:431-444.
- Haapalainen, M., S. Latvala, E. Kuivainen, Y. Qiu, M. Segerstedt, and A.O. Hannukkala. 2016. *Fusarium oxysporum*, *F. proliferatum* and *F. redolens* associated with basal rot of onion in Finland. *Plant Pathology* 65(1):1310-1320.
- Juwanda, M., K. Khotimah, and M. Amin. 2016. Peningkatan Ketahanan Bawang Merah Terhadap Penyakit Layu *Fusarium* Melalui Induksi Ketahanan Dengan Asam Salisilat Secara *Invitro*. *Agrin* 20(1):15-28.
- Kanetis, L., H. Förster, and J.E. Adaskaveg. 2007. Comparative Efficacy of the New Postharvest Fungicides Azoxystrobin, Fludioxonil, and Pyrimethanil for Managing Citrus Green Mold. *Plnt Disease* 91(11):1502-1511.
- Kazos, E.A., C.D. Stalikas, C.G. Nanos, and C.N. Konidari. 2007. Determination of dithiocarbamate fungicide propineb and its main metabolite propylenethiourea in airborne samples. *Chemosphere* 68(11): 2104-2110.
- Kementerian Pertanian. 2016. Outlook Bawang Merah. Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian. Jakarta.
- Khalil, N.H.H. and T.G. Huat. 2013. Determination of Triazole Fungicides in Fruits and Vegetables by Liquid Chromatography-Mass Spectrometry (LC/MS). *Agricultural Chemistry*.
- Kuruppu, P.U. 2007. First Report of *Fusarium oxysporum* Causing a Leaf Twisting Disease on *Allium cepa* var. *ascalonicum* in Sri Lanka. <https://apsjournals.apsnet.org/doi/abs/10.1094/pdis.1999.83.7.695c>
- Lestiyani, A., A. Wibowo, S. Subandiyah, C. Gambley, S. Ito, and S. Harper. 2016. Identification of *Fusarium* spp., the causal agent of twisted disease of shallot. *Acta Horticulturae* 1128(22):155-160.
- Luginbuhl, S. 2010. *Fusarium solani*. [https://projects.ncsu.edu/cals/course/pp728/Fusarium%20solani/Fusarium\\_solani.htm](https://projects.ncsu.edu/cals/course/pp728/Fusarium%20solani/Fusarium_solani.htm). Diakses pada 13 Juni 2021.
- Marinovich, M., B. Viviani, V. Capra, E. Corsini, L. Anselmi, G. D'Agostino, A.D. Nucci, M. Binaglia, M. Tonini, and C.L. Galli. 2002. Facilitation of Acetylcholine Signaling by the Dithiocarbamate Fungicide Propineb. *Chemical Research in Toxicology* 15(1):26-32.
- Martin, M.T., R.J. Brennan, W. Hu, E. Ayanoglu, C. Lau, H. Ren, C.R. Wood, J.C. Corton, R.J. Kavlock, and D.J. Dick. 2007. Toxicogenomic Study of Triazole Fungicides and Perfluoroalkyl Acids in Rat Livers Predicts Toxicity and Categorizes Chemicals Based on Mechanisms of Toxicity. *Toxicological Sciences* 97(2):595-613.
- Masielo, M., S. Somma, V. Ghionna, A.F. Logrieco, and A. Moretti. 2019. In Vitro and in Field Response of Different Fungicides against *Aspergillus flavus* and *Fusarium* Species Causing Ear Rot Disease of Maize. *Toxins* 11(11):1-18.
- Mavroeidi, V.I. and M.W. Shaw. 2006. Effects of fungicide dose and mixtures on selection for triazole resistance in *Mycosphaerella graminicola* under field conditions. *Plant Pathology* 55(6):715-725
- Mueller, D.S. 2006. Fungicides: Triazoles. *Integrated Crop Management News* 1274(1):150-151.



- Müllenberg, C., U. Steiner, M. Ludwig, and E.-C. Oerke. 2007. Effect of fungicides on the complex of *Fusarium* species and saprophytic fungi colonizing wheat kernels. *European Journal of Plant Pathology* 120(2):157-166.
- Natawigena, H. 1993. *Dasar-Dasar Perlindungan Tanaman*. Trigenda Karya. Bandung.
- Nawangsari, D.A., I.I. Setyarini, P.A. Nugroho, Sarmoko, and E. Sulistyorini. 2010. Bawang Merah (*Allium cepa* L.). [https://ccrc.farmasi.ugm.ac.id/?page\\_id=2170](https://ccrc.farmasi.ugm.ac.id/?page_id=2170).
- Nirenberg, H.I. and K. O'Donnell. 1998. New *Fusarium* species and combinations within the *Gibberella fujikuroi* species complex. *Mycologia* 90(3):434-458.
- Pastor-Belda, M., I. Garrido, N. Campillo, P. Viñas, P. Hellín, P. Flores, and J. Fenoll. 2017. Combination of solvent extractants for dispersive liquid-liquid microextraction of fungicides from water and fruit samples by liquid chromatography with tandem mass spectrometry. *Food Chemistry* 233(1):69-76.
- Prakoso, E.B., S. Wiyatiningsih, and H. Nirwanto. 2016. Uji Ketahanan Berbagai Kultivar Bawang Merah (*Allium ascalonicum*) Terhadap Infeksi Penyakit Moler (*Fusarium oxysporum* f.sp. *cepae*). *Plumula* 5(1):10-20.
- Rana, A., M. Sahgal, and B.N. Johri. 2017. *Developments in Fungal Biology and Applied Mycology*. Springer. Singapore.
- Santoso, S.E., L. Soesanto, dan T.A.D. Haryanto. 2007. Penekanan Hayati Penyakit Moler pada Bawang Merah dengan *Trichoderma harzianum*, *Trichoderma koningii*, dan *Pseudomonas fluorescens* P60. *Jurnal Hama dan Penyakit Tumbuhan Tropika* 7(1):53-61.
- Schmuck, G., H.-J. Ahr, F. Mihail, B. Stahl, and M. Kayser. 2002. Effects of the dithiocarbamate fungicide propineb in primary neuronal cell cultures and skeletal muscle cells of the rat. *Archives of Toxicology* 76(7):414-422.
- Semangun, H. 2006. *Pengantar Ilmu Penyakit Tumbuhan*. Gadjah Mada University Press. Yogyakarta.
- Subdirektorat Statistik Perdagangan Dalam Negeri. 2020. *Distribusi Perdagangan Komoditas Bawang Merah Indonesia 2019*. BPS RI. Jakarta.
- Subdirektorat Statistik Rumah Tangga. 2018. *Ringkasan Eksekutif Pengeluaran dan Konsumsi Penduduk Indonesia Berdasarkan Hasil Susenas September 2018*. BPS RI. Jakarta.
- Subdirektorat Statistika Hortikultura. 2020. *Statistik Hortikultura 2019*. BPS RI. Jakarta.
- Sumardiyono, C. 2008. Ketahanan Jamur Terhadap Fungisida di Indonesia. *Jurnal Perlindungan Tanaman Indonesia* 14(1):1-5.
- Supriyadi, A., I.R. Sastrahidayat, and S. Djauhari. 2013. Kejadian Penyakit Pada Tanaman Bawang Merah yang Dibudidayakan Secara Vertikultur di Sidoarjo. *Jurnal Hama Penyakit Tumbuhan* 1(3):27-40.
- Susanto, A. and A.E. Prasetyo. 2013. Respons *Curvularia lunata* Penyebab Penyakit Bercak Daun Kelapa Sawit terhadap Berbagai Fungisida. *Jurnal Fitopatologi Indonesia* 9(6):165-172.
- Sutejo, A.M., A. Priyatmojo, and A. Wibowo. 2008. IDENTIFIKASI MORFOLOGI BEBERAPA SPESIES JAMUR FUSARIUM. *Jurnal Perlindungan Tanaman Indonesia* 14(1):7-13.
- Thabit, T.M.A., E.M. Abdelkareem, N.A. Bouqellah, and S.A. Shokr. 2021. Triazole Fungicide Residues and Their Inhibitory Effect on Some Trichothecenes Mycotoxin Excretion in Wheat Grains. *Molecules* 26(6):1-13.
- Thakur, M., N.R. Sahu, PK. Tiwari, and K. Kotasthane. 2018. Combination of Azoxystrobin + Difenocanazole provides effective management of sheath blight of



- rice caused by *Rhizoctonia solani*. International Journal of Chemical Studies 6(4):1682-1685.
- Thind, T.S. and D.W. Hollomon. 2017. Thiocarbamate fungicides: reliable tools in resistance management and future outlook. Pest Management Science 74(7):1547-1551.
- Toda, M., K.D. Beer, K.M. Kuivila, T.M. Chiller, and B.R. Jackson. 2021. Trends in Agricultural Triazole Fungicide Use in the United States, 1992-2016 and Possible Implications for Antifungal-Resistant Fungi in Human Disease. Environmental Health Perspectives 129(5):1-12.
- Wang, H., Y. Huang, J. Wang, X. Chen, K. Wei, M. Wang, and S. Shang. 2016. Activities of azoxystrobin and difenoconazole against *Alternaria alternata* and their control efficacy. Crop Protection 90(1):54-58.
- Willyerd, K.T., C. Li, L.V. Madden, C.A. Bradley, G.C. Bergstrom, L.E. Sweets, M. McMullen, J.K. Ransom, A. Grybauskas, L. Osborne, S.N. Wegulo, D.E. Herselman, K. Wise, W.W. Bockus, D. Groth, R.D. Macky, E. Milus, P.D. Esker, K.D. Waxman, E.A. Adey, S.E. Ebelhar, B.G. Young, and P.A. Paul. 2012. Efficacy and stability of integrating fungicide and cultivar resistance to manage *Fusarium* head blight and deoxynivalenol in wheat. Plant Disease 96(7):957-967.
- Yaqin, N.A., N. Azizah, and R. Soelistyono. 2015. Peramalan Waktu Panen Tiga Varietas Tanaman Bawang Merah (*Allium ascalonicum*. L) Berbasis Heat Unit Pada Berbagai Kerapatan Tanaman. Jurnal Produksi Tanaman 3(5):433-441.
- Wiyatiningsih, S., A. Wibowo, and E. Triwahyu. 2009. Keparahan Penyakit Moler Pada Enam Kultivar Bawang Merah karena Infeksi *Fusarium oxysporum* f.sp. *cepae* di Tiga Daerah Sentra Produksi. Prosiding Seminar Nasional Akselerasi Pengembangan Teknologi Pertanian Dalam Mendukung Revitalisasi Pertanian. Fak. Pertanian & LPPM UPN Veteran, Jawa Timur.
- Nugroho, B. 2013. Efektivitas *Fusarium Oxysporum* f.sp. *cepae* Avirulen dalam Mengendalikan Penyakit Layu *Fusarium* pada Cabai. Jurnal Agrisains 4(7):65-76.