



DAFTAR PUSTAKA

AAK. 1990. *Budidaya Tanaman Padi*. Kanisius. Yogyakarta.

Ahemad, M., and Khan, M. S. 2011. Assessment of Plant Growth Promoting Activities of Rhizobacterium *Pseudomonas putida* under Insecticide-Stress. *Microbiology Journal*. 1(2), 54-64.

Arafah. 2009. Pedoman Teknis Perbaikan Kesuburan Tanah Sawah Berbasis Jerami. Gramedia. Jakarta.

Aryani, R.D., Nugroho, A.P., Purwestri, Y.A. 2018. Effects of Copper on Accumulation, Plant Growth, Superoxide Dismutase Activity and Total Phenolic Compounds in Paddy (*Oryza sativa* L. ‘Cempo Merah’) Leaves. In: Sukartiko, A., Nuringtyas, T., Marlina, S., Isnansetyo, A. (eds) Proceeding of the 2nd International Conference on Tropical Agriculture. Springer, Cham.

Casida, J. E., Jr. 2009. Pest toxicology: the primary mechanisms of pesticide action. *Chemical Research in Toxicology*, 22(4), 609-619. DOI: 10.1021/tx8004949.

Chris, B., Andreas, B., Rob, B., Gerrit, W., and Dieter, L. 2019. *Soilless Culture (2nd Ed)*. Elsevier. Amsterdam.

Dadang. 2021. *Pengenalan Pestisida Dan Teknik Aplikasi*. Workshop Hama dan Penyaldt Tanaman Jarak (*Jatropha curcas* Linn.): Potensi Kerusakan dan Teknik Pengendaliannya.

Delso, N. S., Amaral-Rogers, V., Belzunces, L. P., Bonmatin, J. M., Chagnon, M., Downs, C., Furlan, L., Gibbons, D. W., Giorio, C., Girolami, V., Goulson, D., Kreutzweiser, D. P., Krupke, C. H., Liess, M., Long, E., McField, M., Mineau, P., Mitchell, E. A., Morrissey, C. A., Noome, D. A., and Wiemers, M. 2015. Systemic insecticides (neonicotinoids and



fipronil): trends, uses, mode of action and metabolites. *Environmental science and pollution research international*, 22(1), 5–34.

Deptan. 2002. *Pestisida Untuk Pertanian dan Kehutanan. Direktorat Pupuk dan Pestisida Direktorat Jendral Bina Sasaran Pertanian Departemen Pertanian*. Jakarta.

Dismuskes. R and M. Vandeveer. 2001. *Farm Risk Management: Risk in Agriculture* <https://www.ers.usda.gov/topics/farm-practices-management/risk-management/risk-in-agriculture/> accessed at 30 September 2021.

Djojosumarto, P. 2008. *Pestisida dan aplikasinya*. Agro Media Pustaka. Jakarta.

Fridovich, S. E., and Porter, N. A. 1981. Oxidation of arachidonic acid in micelles by superoxide and hydrogen peroxide. *Journal Bioi. Chem.* 256(1).

Gao, R., Yuan, Z., Zhao, Z., Gao, X. 1998. Mechanism of pyrogallol autoxidation and determination of superoxide dismutase enzyme activity. *Bioelectrochemistry and Bioenergetics*, 45(1) : 41-45.

Gibbons, D., Morrissey, C., and Mineau, P. 2015. A Review of The Direct and Indirect Effects of Neonicotinoids and Fipronil on Vertebrate Wildlife, *Environmental Science and Pollution Research*, 22(1): 103–118.

Hair, J. F., R. E. Anderson, R. I. Tatham., & W. C. Black. 1995, “Multivariate Data Analysis With Readings,” no. Edisi ke-4.

Indrawati, N., and Razimin. 2013, *Bawang Dayak : Si Umbi Ajaib Penakluk Aneka Penyakit*. PT AgroMedia Pustaka. Jakarta.

Kaiser, H. F. 1960. *The application of electronic computers to factor analysis. Educational and Psychological Measurement* 20, 141-151.



Kementerian Pertanian Republik Indonesia. 2009, *Segreng Handayani*, 2226/Kpts/SR,120/5/2009.

Khotimah, K.Y., Supardi, S., and Antriayandarti, E. 2019. Pemanfaatan Sumber Daya Pertanian Lahan Kering di Pegunungan Karst Gunungkidul. *Prosiding Seminar Nasional Dies Natalis UNS Ke 43 Tahun 2019*, Volume 3, Nomor 1.

Kristamini., and Heni, P. 2009. Potensi Pengembangan Beras Merah Sebagai Plasma Nutfah Yogyakarta. *Jurnal Litbang Pertanian*. 23(3): 88-95

Makarim, A.K, and Suhartatik, E. 2009. *Morfologi dan Fisiologi Tanaman Padi*. Balai Besar Penelitian Tanaman Padi. Sukabumi.

Marklund, S., and G. Marklund. 1974. Involvement of the Superoxide Anion Radical in the Autoxidation of Pyrogallol and a Convenient Assay for Superoxide Dismutase. *Europe Journal of Biochemistry*. 47 : 469-474.

Masdari. 2010, Interaksi Jarak Tanam Dan Jumlah Bibit Per Titik Tanaman Pada Sistem Intensifikasi Padi Terhadap Pertumbuhan Vegetatif Tanaman. *Jurnal Akta Agrosia*, Edisi Khusus (1): 92- 98.

Minchatus, Iis. 2022. Efek Fungisida Berbahan Aktif Mankozeb pada Pertumbuhan dan Aktivitas Enzim Antioksidatif Bawang Merah (*Allium ascalonicum* L. Lokananta). Skripsi. Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.

Moore, M,T and Kröger, R . 2010. Effect of Three Insecticides and Two Herbicides on Rice (Oryza sativa) Seedling Germination and Growth, *Archives of Environmental Contamination and Toxicology*. 59(4): 574– 581.

MSDS Kenso. 2017. *Material Safety Datasheet of Fipronil (MSDS)*. PT Kenso Indonesia.



Quazi, S., Datta, R., Sarkar, D. 2011. Effects of soil types and forms of arsenical pesticide on rice growth and development. *Int. J. Environ. Sci. Tech.*, 8 (3), 445-460.

Samsudin. 2008. *Virus Patogen Serangga: Bio – Insektisida Ramah Lingkungan*. Bahan Ajar. Fakultas Pertanian, Universitas Padjadjaran.

Sudarmo, S. 2007. *Pestisida*. Yogyakarta: Kanisius

Suhartono. 2016. *Toksitas Oksigen Reaktif dan Antioksidan Di Bidang Kedokteran dan Kesehatan*. Yogyakarta: Gosyen Publishing.

Suprapto. 2006. Teknik Persilangan Padi (Oryza sativa L.) Untuk perakitan varietas unggul baru. *Buletin Teknik Pertanian*. 11(2):76-80.

Surajudeen, Y. A., Sheu, R. K., Ayokulehin, K. M., and Olatunbosun, A. G. 2014. Oxidative stress indices in Nigerian pesticide applicators and farmers occupationally exposed to organophosphate pesticides. *International journal of applied & basic medical research*. 4(1): 37–40.

USDA, NRCS. 2021. The PLANTS Database. National Plant Data Team, Greensboro, NC USA. <http://plants.usda.gov> accessed at 10 October 2021

Utama, M., and Zulman, H. 2015. *Budidaya Padi Lahan Marjinal Kiat Meningkatkan Produksi Padi*. Andi. Yogyakarta

Utami, D.W., Kristamini, and Prajitno. 2009. Karakterisasi Plasma Nutfaf Padi Beras Merah Lokal Asal Provinsi Daerah Istimewa Yogyakarta Berdasarkan Karakter Morfo-Agronomi dan Marka SSRs. *Jurnal Zuriat*. 20(1): 10-18

Vermerris, W., and Nicholson, R. 2006. *Phenolic Compound Biochemistry*. Springer. Netherlands.



Warman. 2008. Kedalaman Penempatan Pupuk Fosfor Terhadap Pertumbuhan dan Hasil Tanaman Padi Gogo Pada Berbagai Tingkat Kadar Air Tanah. *Jurnal Penelitian Politeknik Pertanian Negeri Payakumbuh*, 7(2): 1048-1055.

Widowati, W., Safitri ,R., Rumumpuk, R., and Siahaan, M. 2005. Penapisan aktivitas superoksid dismutase pada berbagai tanaman. *Maranatha Journal of Medicine and Health*, 5(1) : 33-48

Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta: Kanisius.

Zhang, C., Bruins, M.E., Yang, Z.Q., Liu, S.T., and Rao, P.F. 2016. A new formula to calculate activity of superoxide dismutase in indirect assays. *Analytical biochemistry journal* 503:65-7.