

DAFTAR PUSTAKA

- Agrios, G. N. 1999. *Ilmu Penyakit Tumbuhan*. Yogyakarta : Universitas Gajah Mada Press, p. 76.
- Agrios, G . N. 2005. *Plant Pathology*. Fifth Edition. Florida : Department of Plant Pathology University of Florida, p. 948.
- Ahimस्या, M. B., P. Basunanda, dan Supriyanta. 2018. Karakterisasi Morfologi dan Fotoperiodisme Padi Lokal (*Oryza sativa* L.) Indonesia. *Jurnal Vegetalika*. 7(1) : 52-65.
- Ajayi-Oyetunde, O. O., and Bradley, C. A. 2018. *Rhizoctonia solani*: taxonomy, population biology and management of *Rhizoctonia* seedling disease of soybean. *Plant Pathology*. 67(1) : 3-17.
- Alexopoulos, C. J., Mims, C. W. and Blackwell, M. 1996. *Introductory Mycology 4th Ed*. New York : John Wiley and Sons, p. 869
- Andersen, T.F. & H. N .Rasmussen.1996 . *The Mycorrhizal species of Rhizoctonia*.In: Sneh, B., S. Jabaji-Hare, S. Neate, & G. Dijst. *Rhizoctonia Spesies: Taxonomy, Molecular Biology, Ecology, Pathology and Disease Control*. London. : KAP. p. 379-390.
- Bahagiawati, Septiningsih EM, Yunus M, Prasetyono J, Dadang A, Sutrisno. 2005. Aplikasi teknologi marka molekuler untuk verifikasi identitas genetik varietas sayuran komersial. *Jurnal Holtikultura*. 15(3) : 153–159.
- BPTP Yogyakarta. 2006. Budidaya Padi Cempo Merah sebagai Sumber Genetik Lokal Daerah Istimewa Yogyakarta. http://yogya.litbang.pertanian.go.id/ind/images/Rek_Tek/20084.pdf [Diakses pada 5 Juli 2021].
- BPTP Jatim. 2019. Padi Varietas Mentik Susu. <https://jatim.litbang.pertanian.go.id/padi-varietas-mentik-susu/> [Diakses pada 5 Juli 2021].
- Budiarti, S. W., R. Lukman, A. Wibowo, C. Sumardiyono, and A. Priyatmojo. 2020. The cultural and morphological variability among *Rhizoctonia solani* isolates causing banded leaf and sheath blight of maize in Indonesia. *Archives of Phytopathology and Plant Protection*. 53 : 17-36.
- Carling. D. E., Kuningaga, S. and R. H. Leiner. 1988. Relatedness within and among intraspecific groups of *Rhizoctonia solani*: a comparison of grouping by anastomosis and by DNA hybridization. *Pilytoparasitica*. 16 : 209-210.
- Chang, T., E. A. Bardenas, and A. C. Del Rosario. 1965. *The Morphological and Varietal Characteristics of Rice Plant*. Los Banos : The International Rice Research Institute, p. 8-10.
- Debbarma M, and P. Dutta. 2015. Cultural and morphological variability in *Rhizoctonia solani* isolates of different hosts of Assam. *Indian Journal of Applied Research*. 5 : 878–884.
- De Datta, S. K. 1981. *Principle and Practices of Rice Production*. New York : John Wiley & Sons, p. 618.
- Dewi, I. K., A. Cholil, dan A. Muhibuddin. 2013. Hubungan Karakteristik Jaringan Daun dengan Tingkat Serangan Penyakit Blas Daun (*Pyricularia oryzae* Cav.) pada Beberapa Genotip Padi (*Oryza sativa* L.). *Jurnal Hama dan Penyakit Tumbuhan*. 1 (2) : 10-18.
- DPKP DIY. 2020. Dinas Pertanian dan Pangan Kabupaten Kulon Progo Panen Padi Varietas Menoreh. <https://dpkp.jogjaprovo.go.id/baca/Dinas+Pertanian+dan+Pangan+Kabupate>

[n+Kulon+Progo+Panen+Padi+Varietas+Menor/231220/301cf7f6ef3d73aac8c6e54fbcab0b3b3ded5afc771e79c95e41dfb0dd4eea4266](http://etd.repository.ugm.ac.id/n+Kulon+Progo+Panen+Padi+Varietas+Menor/231220/301cf7f6ef3d73aac8c6e54fbcab0b3b3ded5afc771e79c95e41dfb0dd4eea4266) [Diakses pada 5 Juli 2021].

- DPKP DIY. 2021. Padi Gogo Segreng Handayani. <http://jogjabenih.jogjaprovo.go.id/read/4b4b6667ac1bbebfdeeb926a50f15fc879d0e6bcd76941f5ab13db508bda21ae1910> [Diakses pada 5 Juli 2021].
- Eizenga, G.C., F.N. Lee, and J.N. Rutger. 2002. Screening *Oryza* Species Plant for Rice Sheath Blight Resistance. *Plant Disease*. 86 : 808–812.
- Eken, C. and E. Demirei. 2004. Anastomosis groups and pathogenicity of *Rhizoctonia solani* and binucleate *Rhizoctonia* isolate from bean. *Plant Pathology*. 86 (1) : 49-52.
- Fukui, S., S. Hartono, dan N. Iwamoto. 2003. Risk and Rice Farming Intensification in Rural Java. In Y. Hayashi, S. Manuwoto dan S. Hartono. (eds). *Sustainable Agriculture in Rural Indonesia*. Yogyakarta : Universitas Gadjah Mada Press, p. 217-233.
- Glass, L., Rasmussen C., Roca M.G., and N. Read. 2004. Hyphal homing, fusion and mycelial interconnectedness". *Trends in Microbiology*. 12 (3) : 135–141.
- Gonzales, N., J. R. Steadman, R. Higgins, and K. M. Eskridge. 2012. Assessing genetic diversity in the web blight pathogen *Thanatephorus cucumeris* (anamorph = *Rhizoctonia solani*) subgroups AG-1-IE and AG-1-IF with molecular markers. *Paper in Plant Pathology*. 78 : 85-98.
- Gopireddy BM, Devi GU, Kumar KV, Babu TR, and Naidu T. 2017. Cultural and morphological characterization of *Rhizoctonia solani* f.sp. saskii isolates collected from different districts of Andhara Pradesh. *International Journal of Current Microbiology and Applied Sciences* . 6(11):3457–3469.
- Gnanamanickam, S. S. 2009. *Biological Control of Rice Diseases*. New York : Springer Science and Business Media, p. 13.
- Gould, F. W. 1968. *Grass Systematics*. New York : McGraw Hill Book, p. 382
- Groth, D. E. 2007. Effects of cultivar resistance and single fungicide application on rice sheath blight, yield, and quality. *Journal of Crop Protection*. 27 : 1125-1130.
- Guo, Q., A. Kamio, B.S. Sharma, Y. Sagara, M. Arakawa, and K. Inagaki. 2006. Survival and Subsequent of Rice Sclerotial Diseases Fungi, *Rhizoctonia oryzae* and *Rhizoctonia oryzae-sativae*, in Paddy Fields. *Plant Disease*. 90 : 615–622.
- Haryuni, H. 2013. Identifikasi *Rhizoctonia* Mikoriza Pada Anggrekan Dan Kelompok Anastomosisnya. *Biosaintifika: Journal of Biology & Biology Education*. 5 (1) : 44-49.
- Hidayat, 2002. Varietas diskriminatif untuk padi lahan pasang surut di lingkungan sungai deras, Kalimantan Barat. *Akta Agrosia*, 5: 60-66.
- Hiddink, G.A., A.J. Termorshuizen, J.M. Raajmakers, and A.H.C. van Bruggen. 2005. Effect of Mixed and Single Crops on Diseases Suppressiveness of Soils. *Phytopathology*. 95 : 1325–1332.
- Hooda, K.S., M. K. Khokhar, H. Parmar, R. Gogoi, D. Joshi, S. S. Sharma, and O. P. Yadav. 2017. Banded Leaf and Sheath Blight of Maize: Historical Perspectives, Current Status and Future Directions. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 87 : 1041–1052.
- Ibrahim, M. E. 2017. In vitro Antagonistic Activity of *Trichoderma harzianum* against *Rhizoctonia solani* The Causative Agent of Potato Black Scurf and

- Stem Canker. *Egyptian Journal of Botany*: 173-185.
- Inagaki, K. 2001. Outbreaks of Rice Sclerotium Diseases in Paddy Fields and Physiological and Ecological Characteristics of this Causal Fungi. *Science Replications Agricultures, Meijo University*. 37 : 57-66.
- Irawati, A. F. C dan S. Hartati. 2011. Seleksi Ketahanan Beberapa Varietas Padi (*Oryza sativa*) terhadap Patogen Penyebab Penyakit Hawar Pelepah Daun (*Rhizoctonia solani* Khun). *Buletin Pertanian Perkotaan*. 1 (1) : 27-36.
- Jennings, P. R., W. R Coffman, and H. E. Kauffman. 1979. *Rice Improvement*. Los Banos : International Rice Research Institute, p. 88-90.
- Jia, A., G. Liu, D.S. Park, and T. Yang. 2013. Inoculation and scoring methods for rice sheath blight disease. *Journal of Method Molecular in Biology*. 956 : 257-268.
- Kardin M.K, M. Oniki, A. Ogoshi, and R. Sakai. 1988. Effect of air temperature on mycelial growth rate of *Rhizoctonia solani* from Indonesia and Japan. *Jurnal Penelitian Pertanian*. 8 : 23-28
- Karjalainen M, 1984. Evaluation of detached seedling leaves for use in screening spring wheat cultivars to *Septorianodorum* Berk. *Acta Agriculturae Scandinavica*. 34, 386-90
- Kendrick, B. 2001. *The Fifth Kingdom*. Canada : Mycologue Publications, p. 46.
- Khodayari M, Safaie N, and Shamsbakhsh M. 2009. Genetic diversity of Iranian AG1- IA isolates of *Rhizoctonia solani*, the cause of rice sheath blight, using morphological and molecular markers. *Journal Phytopathology*. 157(11-12):708-714.
- Khush, G.S. 1997. Origin dispersal cultivation and variation of rice. *Journal Plant Molecular Biology*. 35(1-2) : 25-34
- Kim HT, Chung YR, and Cho KY. 2001. Mycelial melanization of *Rhizoctonia solani* AG1 affecting pathogenicity in rice. *Journal Plant Pathology*. 17:210-215.
- Kristamini dan H. Purwaningsih. 2009. Potensi Pengembangan Beras Merah sebagai Plasma Nutfah Yogyakarta. *Jurnal Litbang Pertanian*. 28 (3) : 88-95
- Kristantini., Widodo, S., Wiranti, E. W., dan Sutarno. 2018. Crops and consumer preferences of 20 local rice genetic resources of Yogyakarta , Indonesia. *IOP Conf. Series: Earth and Environmental Science 215 (2018) 012019*.
- Kuiry SP, Mondal A, Banerjee S, and Dutta S. 2014. Morphological variability in *Rhizoctonia solani* isolates from different agro-ecological zones of West Bengal, India. *Arch Phytopathology Plant Protect*. 47(6):728-736.
- Lal, M and J. Kandhari. 2009. Cultural and morphological variability in *Rhizoctonia solani* isolates causing sheath blight of rice. *Journal Mycology and Plant Pathology*. 39 : 77-81.
- Lee, N.F. 1991. Rice sheath blight a major rice disease. *Journal of the American Society*. 67 : 829- 832.
- MacNish, G., C. Carling, D. E. and Brainard, K. A. (1993). Characterization of *Rhizoctonia solani* AG-8 from bare patches by pectic isozyme (zymogram) and anastomosis techniques. *Journal Phytopathology*. 83 : 922-927.
- Madhavi M, Reddy PN, Reddy RR, and Reddy SS. 2015. Morphological and molecular variability of *Rhizoctonia solani* isolates causing banded leaf and sheath blight in maize. *International Journal of Bio-resource and Stress Management*. 6(3):375- 385.

- Makarim, A. K dan E. Suhartatik. 2015. Morfologi dan Fisiologi Tanaman Padi. <http://bbpadi.litbang.pertanian.go.id/index.php/publikasi/artikelilmiah/morfologi-dan-fisiologi-tanaman-padi> [Diakses pada 1 April 2020, 9:16 PM].
- Mew, T.W. and A.M. Rosales. 1992. Control of *Rhizoctonia* Sheath Blight and Other Disease of Rice by Seed Bacterization, p.113–123. In E.C. Tjamos,G.C., Papavizas, & R.J. Cook. (eds.), *Biological Control of Plant Diseases*. New York : Plenum Press
- Mew, T.W., B. Cottyn, R. Pomplona, H. Barrios, L. Xiangmin, C. Zhiyi, L. Fan, N. Nilpanit, P. Arunyanarat, P.V. Kim, and P.V. Du. 2004. Applying Rice Seed- Associated Antagonistic Bacteria to Manage Rice Sheath Blight in Developing Countries. *Plant Disease*. 88: 557–564.
- Miller, T.G. and R.K. Webster. 2001. Soil Sampling Techniques for Determining the Effect of Culture Practices on *Rhizoctonia oryzae-sativae* Inoculums in Rice Field Soil. *Plant Disease*. 85 : 967–972.
- Mishra, P. K., R.Gogoi, P. K. Singh, S. N. Rai, and A. Kumar. 2014. Effect of photo period on morpho-cultural characteristic of *Rhizoctonia solani* f. sp. sasakii of maize. *Annals of Biology*. 30 : 733–737.
- Mishra PK, Gogoi R, Singh PK, Rai SN, Singode A, Kumar A, and Manjunatha C. 2014. Morpho-cultural and pathogenic variability in *Rhizoctonia solani* isolates from rice, maize and green gram. *Journal Indian Phytopathology*. 67:147–154.
- Munandar, Sukrilani, Yusup, Sulaiman dan A. Wijaya., 1996. Inventarisasi dan studi karakter agronomi berupa varietas lokal padi lebak yang di tanam petani di sekitar Palembang dan kota Kayu Agung. *Jurnal Ilmu Ilmu Pertanian*. Indonesia., 4: 8 – 13.
- Muslim, A. R. Permatasari, dan A. Mazid. Ketahanan beberapa Varietas Padi Rawa Lebak terhadap Penyakit Hawar Upih yang disebabkan oleh *Rhizoctonia solani*. *Jurnal Lahan Suboptimal*. 1 (2) : 163-169.
- Nelson, R., R. Orrego, O. Ortiz, J. Tenorio, C. Mundt, M. Fredrix, and N.V. Vien. 2001. Working with Resource-Poor Farmers to Manage Plant Diseases. *Plant Disease*. 85 : 684–695.
- Nurhidayah, S. dan D. S. Umbara. 2019. Perbedaan Komponen Vegetatif dan Generatif Pada Lima Aksesori Padi Hitam (*Oryza sativa* L.) di Kecamatan Indihiang Tasikmalaya Jawa Barat. *Journal of Applied Agricultural Sciences*. 3 (1) : 15-21.
- Nuryanto, B. 2003. Pengelolaan Komponen Epidemik untuk Menekan Hawar Pelepah Daun Padi (*Rhizoctonia solani*). *Tesis*. Bogor : Program Pasca Sarjana Institut Pertanian Bogor, p. 157.
- Nuryanto, B. 2011. Varietas, Kompos dan Cara Pengairan sebagai Komponen Pengendali Penyakit Hawar Upih. *Disertasi*. Program Pascasarjana. Yogyakarta : Universitas Gadjah Mada Press, p. 26.
- Nuryanto, B., A. Priyatmojo dan B. Hadisutrisno. 2014. Pengaruh Tinggi Tempat dan Tipe Tanaman Padi terhadap Keparahan Penyakit Hawar Pelepah. *Jurnal Penelitian Pertanian Tanaman Pangan*. 33 (1) : 1-8.
- Nuryanto, B. 2017. Penyakit Hawar Pelepah (*Rhizoctonia solani*) pada Padi dan Taktik Pengelolaannya. *Jurnal Perlindungan Tanaman Indonesia*. 21 (2) : 63-71.
- Ogoshi A. 1987. Ecology and pathogenecity of anastomosis and intraspecific groups of *Rhizoctonia solani*. *Annual Review of Phytophatology*. 25 : 125-143.
- Ou, S. H. 1985. *Rice Disease Second Edition*. Wisconsin : Commonwealth

- Prasad, B. and G.C. Eizenga. 2008. Rice Sheath Blight Disease Resistance Identified in *Oryza* spp. Accessions. *Plant Disease*. 92 : 1503–1509.
- Priyatmojo, A., V. E. Escopalao, N. G. Tangonan, C. B. Pascual, H. Suga, K. Kageyama, and M. Hyakumachi. 2001. Characterization of a new subgroup of *Rhizoctonia solani* anastomosis group 1 (AG-1-ID), causal agent of a necrotic leaf spot on coffee. *Journal Phytopathology*. 91 (11) : 1054- 1061.
- Priyatmojo, A. 2006. Tipe mating pada empat isolat *Thanatephorus cucumeris* (Anamorph: *Rhizoctonia solani*) anastomosis grup (AG) 1-1C. *Jurnal Perlindungan Tanaman Indonesia*. 12 : 112-122.
- Purwono dan H. Purnamawati. 2007. *Budidaya 8 Jenis Tanaman Pangan Unggul*. Jakarta : Penebar Swadaya, p. 9-16.
- Rahimah, D.S. 2018. *Berkebun Organik Buah dan Sayur*. Jakarta : Penebar Swadaya, p.58.
- Rustam. 2011. Potensi Bakteri Penghasil Metabolit Sekunder untuk Pengendalian Penyakit Hawar Pelepah Padi yang Disebabkan oleh *Rhizoctonia solani* Khün. *Disertasi*. Bogor : IPB, p. 35.
- Sastrahidayat, I. R. 2017. *Penyakit Tumbuhan yang Disebabkan oleh Jamur*. Malang : UB Press, p. 130.
- Satoto, A., A. Daradjat, dan S. Wahyuni. 2008. *Varietas Unggul Padi Sawah : Pengertian dan Aspek Terkait*. Informasi Ringkas, Bank Pengetahuan Padi. <http://www.pustaka-deptan.go.id>. [Diakses pada 17 April 2020, 23:00].
- Savary, S., L. Willocquet, F.A. Elazegul, N.P. Castilla, and P.S. Teng. 2000. Rice Pest Constrain in Tropical Asia: Quantification of Yield Losses Due to Rice Pest in Range of Production Situations. *Plant Disease*. 84 : 357–369.
- Semangun, H. 1993. *Penyakit Tanaman Pangan di Indonesia*. Yogyakarta : Universitas Gajah Mada Press.
- Semangun, H. 2004. *Penyakit-Penyakit Tanaman Pangan di Indonesia 3rd Ed*. Yogyakarta : Universitas Gadjah Mada Press, p. 449.
- Semangun, H. 2008. *Penyakit-Penyakit Tanaman Pangan di Indonesia 2nd Ed*. Yogyakarta : Universitas Gadjah Mada Press, p. 475.
- Shadily, H. 1984. *Ensiklopedi Indonesia. Ictiar Baru-Van Hoeve dan Elsevier*. Jakarta : Publishing Projects, p. 2503.
- Sindhunata, 2008. *Ana Dina Ana Upa* (Pranata Mangsa). Yogyakarta : Bentara Budaya. p, 162.
- Singh V, Kumar S, Lal M, and Hooda KS. 2014. Cultural and morphological variability among *Rhizoctonia solani* isolates from trans-gangetic plains of India. *Journal Research Corps*. 15(3):644–650.
- Singh, R., and Kumar, P. 2016. Sheath blight of rice: Current status and perspectives. *Journal Indian Phytopathology*. 69 (4): 340-351.
- Siregar, H. 1981. *Budidaya Tanaman Padi di Indonesia*. Jakarta : PT. Sastra Hudaya, p. 320.
- Smith, J.D., Kidwell, K.K, Evans, M.A., Cook, R.J., and Smiley, R.W. 2003. Assesment of spring wheat genotypes for disease reaction to *Rhizoctonia solani* AG 8 in controlled environment and direct-seeded field evaluation. *Journal of Crop Science and Biotechnology*. 43 : 694-700.
- Soenartiningih. 2009. Histologi dan kerusakan oleh jamur *R. Solani* penyebab penyakit busuk pelepah pada jagung. *Prosiding Seminar Nasional Biologi XX dan Kongres Perhimpunan Biologi Indonesia XIV*. Malang 24-25 Juli

- Soenartingsih, M. Akil, dan N. N. Andayani. 2015. Cendawan Tular Tanah (*Rhizoctonia solani*) Penyebab Penyakit Busuk Pelepah pada Tanaman Jagung dan Sorgum dengan Komponen Pengendaliannya. *Iptek Tanaman Pangan*. 10 (2) : 85-91.
- Somantri IH. 2001. Wild Rice (*Oryza* spp.): Their Existence and Research in Indonesia. *Buletin AgroBio*. 5(1):14–20.
- Sopialena. 2017. *Segitiga Penyakit Tanaman*. Samarinda : Mulawarman University Press, p. 5-7.
- Suharsono. 2018. *Berita Resmi Pendaftaran Varietas Lokal*. <http://pvtppt.setjen.pertanian.go.id>. [Diakses pada 20 Juni 2021, 20:00 pm].
- Sunder B, Kataria HR, and Satyavi Sheoran OP. 2003. Characterization of *Rhizoctonia solani* associated with root/collar rots and blights. *Journal Indian Phytopathology*. 56:27–33.
- Suparyono dan Sudir. 1999. Peran Sklerosia dan Bentuk Lain Pathogen *Rhizoctonia solani* Kuhn, sebagai Sumber Inokulum Awal Penyakit Hawar Pelepah Padi. *Jurnal Perlindungan Tanaman Indonesia*. 5 : 7–12.
- Suprihatno, B, A. Darajat, Satoto, S. E. Baehaki, B. Suprihanto, A. Setyono, S. D. Indrasari, M. Y. Samaullah, dan H. Sembiring . 2010. *Deskripsi Varietas Padi*. Sukamandi : Balai Besar Penelitian Tanaman Padi, p. 15.
- Supriyanti, A., Supriyanta, dan Kristamtini. 2015. Karakterisasi Dua Puluh Padi (*Oryza sativa* L.) di Daerah Istimewa Yogyakarta. 4(3) : 29-41.
- Suryanugraha, W. A., Supriyanta, dan Kristamtini. 2017. Keragaman Sepuluh Kultivar Padi Lokal (*Oryza sativa* L.) Daerah Istimewa Yogyakarta. *Jurnal Vegetalika*. 6 (4) : 55-70.
- Thind TS, Aggarwal R. 2008. Characterization and pathogenic relationships of *Rhizoctonia solani* isolates in a potato-rice system and their sensitivity to fungicides. *Journal Phytopathology*. 156(10):615–621.
- Tjitrosoepomo, G. 2004. *Taksonomi Tumbuhan (Spermatophyta)*. Yogyakarta : Gadjah Mada University Press, p. 477.
- Tredway, L.P. and L.L. Burpee. 2001. *Rhizoctonia diseases of turfgrass*. The Plant Health Instructor. DOI: 10.1094/PHI-I-2001-1109-01.
- Utama, M. Z. H. 2015. *Budidaya Padi pada Lahan Marginal*. Yogyakarta : Andi Offset, p. 159-160.
- Vergara, B. S. 1980. Rice Plant Growth and Development in B. S Luh (Ed.) *Rice : Production and Utilization*. Wesport : AVI Publishing Company, p. 75-86.
- Wamishe, Y., C. Kelsey, S. Belmar, T. Gebremariam, and D McCarty. 2015. *Bacterial Panicle Blight of Rice in Arkansas*. In University of Arkansas. Division of Agriculture. Research & Extension, p. 1-4.
- Yoshida, S. 1981. *Fundamentals of Rice Crop Science*. Los Banos : International Rice Research Institute, p. 1-61, 115, 146.