

## DAFTAR PUSTAKA

- Abdel-Sattar, M.A., Hanan, E., Usama, E.I. 2017. Pathogenicity test and anastomosis group of *Rhizoctonia solani* the causal organism of stem canker and black scurf disease of potato in Egypt. *Journal of Applied Plant Protection* 6 (1): 1-8.
- Agrios, G.N. 2005. Plant Pathology. Elsevier Academic Press, New York.
- Aiello, D., Guarnaccia, V., Formica, P.T., Hyakumachi, M., Polizzi, G. 2017. Occurance and characterisation of *Rhizoctonia* species causing diseases of ornamental plants in Italy. *European Journal of Plant Pathology* 148: 967-982.
- Arthur, G.P., Berty, H.A. 2022. Jamur Patogen Tanaman Terbawa Tanah. Media Nusa Creative (MNC) Publishing, Malang.
- Bayer. 2023. Black scurf *Rhizoctonia solani*. <https://cropscience.bayer.co.uk/agronomy-id/diseases/potato-diseases/black-scurf>. Diakses 15 Oktober 2023.
- Beals, K.A. 2019. Potatoes, nutrition and health. *American Journal of Potato Research* 96: 102-110.
- Betancourth, C.A., Bertha, L.C., Claudia, Q., Benjamin, S., Carlos, F., Claudia, S. 2021. Morphology and pathogenicity of *Rhizoctonia solani* Kuhn associated with potato black scurf in Narino (Colombia). *Revista Colombiana De Ciencias Hortícolas* 15 (1): 1-11.
- BPS. 2023. Produksi Kentang di Indonesia Tahun 2018-2022. <https://www.bps.go.id/indicator/55/61/1/produksi-tanaman-sayuran.html>. Diakses 7 September 2023.
- Budiarti, S.W., Rudy, L., Arif, W., Christanti, S., Achmadi, P. 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 (1-2): 17-36.
- Budiarti, S.W. & A'isyah, S.B. 2022. Pengaruh suhu, pH, dan cahaya terhadap pertumbuhan *in vitro Rhizoctonia solani* pada tanaman jagung. UMJember Proceeding Series1 (2): 168-177.
- Chosdon, T., Aparna, D.K., Rutuja, N., Bhosale, R.K., Sachinkumar, B.K., Seweta, S. 2021. Anastomosis groups of multinucleate and binucleate *Rhizoctonia*. *Current Advances in Agricultural Sciences* 13 (2): 71-77.
- Debbarma, M., Dutta, P. 2015. Cultural and morphological variability in *Rhizoctonia solani* isolates of different hosts of Assam. *Indian Journal of Applied Research* 5 (2): 878-884.
- Dong, W., Li, Y., Duan, C., Li, X., Naito, S., Conner, R.L., Yang, G., Li, C. 2017. Identification of AG-V, a new anastomosis group of binucleate *Rhizoctonia* spp. from taro and ginger in Yunnan province. *European Journal of Plant Pathology* 148: 895-906.
- El-Shafey, R.A.S., Rabab, M.E., Mona, M.S., Abdelaziz, M., Tahoona, Amero, A.E. 2019. Morphological, pathological and molecular characterization of rice sheath blight disease causal organism *Rhizoctonia solani* AG-1 IA in Egypt. *Archives of Phytopathology and Plant Protection* 52 (5-6): 507-529.
- Galvao, A.K.M., Cunha, F.S., Costa, A.E.S., Capucho, A.S., Ishikawa, F.H. 2018. Characterization, pathogenicity and anastomosis groups of *Rhizoctonia solani* from watermelon. *Comunicata Scientiae* 9 (4): 710-717.
- Gibson, S., Kurilich, A.C. 2013. The nutritional value of potatoes and potato products in the UK diet. *Nutrition Bulletin* 38 (4): 389-399.

- Gondal, A.S., Rauf, A., Farah, N. 2019. Anastomosis groups of *Rhizoctonia solani* associated with tomato foot rot in Pothohar Region of Pakistan. *Scientific Reports* 9 (3910): 1-12.
- Gonzalez, M., Merardo, P., Jean-Pierre, M., Vicente, G., Melvin, D.B., Orlando, B. 2011. Tobacco leaf spot and root rot caused by *Rhizoctonia solani* Kuhn. *Molecular Plant Pathology* 12 (3): 209-216.
- Gopireddy, B.M., Devi, G.U., Kumar, K.V., Babu, T.R., Naidu, T.C.M. 2017. Cultural and morphological characterization of *Rhizoctonia solani* f.sp. *sasakii* isolates collected from different districts of Andhara Pradesh. *Int.J.Curr.Microbiol.App.Sci.* 6 (11): 3457–3469.
- Goswami, B.K., Rahaman, M.M., Hoque, A.K.M.A., Bhuyan, K., Mian, I.H. 2011. Variations in different isolates of *Rhizoctonia solani* based on temperature and pH. *Bangladesh Journal of Agricultural Research* 36 (3): 389-396.
- Gupta, N.V. and K.S. Shukshith. 2016. Qualification of autoclave. *International Journal of PharmTech Research* 9 (4): 220-226.
- Hamzah, P., Subandiyah, S., Wibowo, A., Farhanah, A. 2021. Variabilitas morfologi *Rhizoctonia solani* penyebab penyakit hawar pelepah padi di Sulawesi Selatan. *Jurnal Agrisistem* 17 (1): 40-45.
- Hemalatha, P. & Rajesh, P.S. 2019. Effect of temperature on growth and development of *Rhizoctonia solani* (Kuhn) f. sp. *saskii* exner incitant of banded leaf and sheath blight of maize. *International Journal of Current Microbiology and Applied Sciences* (8 (8): 2922-2929.
- Hyakumachi, M., Achmadi, P., Mayumi, K., Hirokazu, F. 2005. New anastomosis groups, AG-T and AG-U, of binucleate *Rhizoctonia* spp. causing root and stem rot of cut-flower and minature roses. *Phytopathology* 95 (7): 784-792.
- Jaaffar, A.K.M., Paulitz, T.C., Schroeder, K.L., Thomashow, L.S., Weller, D.M. 2016. Molecular characterization, morphological characteristics virulence, and geographic distribution of *Rhizoctonia* spp. in Washington State. *Phytopathology* 106 (5): 459–473.
- Jayaprakashvel, M., Mathivanan, N. 2012. Morphological and pathological variations of rice sheath blight inciting south Indian *Rhizoctonia solani* isolates. *Archives of Phytopathology and Plant Protection* 45 (4): 455-467.
- Kiptoo, J.J., Aqleem, A., Ayesha, M.B., Hafiz, M.U., Munsif, A.S., Muhammad, U., Muhammad, N.A., Shariq, M.A., Muhammad, A., Moman, K., Nderitu, W.P., Zarafshan, R., Naureen, A., Shehzad, I. 2021. *Rhizoctonia solani* of potato and its management. *Plant Protection* 5 (3): 157-169.
- Kotba, I., Mohammed, A., Abdellatif, B., El Hassan, A., Amina, O.T., Allal, D. 2018. Morphological, pathogenic, and molecular characterization of *Rhizoctonia solani* strains isolated from potato. *Annual Research & Review in Biology* 29 (4): 1-16.
- Kuiry, S.P., Mondal, A., Banerjee, S., Dutta, S. 2014. Morphological variability in *Rhizoctonia solani* isolates from different agro-ecological zones of West Bengal, India. *Archives of Phytopathology and Plant Protection* 47 (6): 728–736.
- Lehtonen, M.J. 2009. *Rhizoctonia solani* as a potato pathogen - variation of isolates in Finland and host response. University of Helsinki, Finland.
- Li, C., Zejian, G., Shanyue, Z., Qingyue, H., Manman, Z., Youliang, P., Tom, H., Xujun, C. 2021. Evolutionary and genomic comparisons of hybrid uninucleate and nonhybrid *Rhizoctonia* fungi. *Communications Biology* 4 (201): 1-15.

- Mishra, P.K., Gogoi, R., Singh, P.K., Rai, S.N., Avinash, S., Arun, K., Manjunatha, C. 2014. Morpho-cultural and pathogenic variability in *Rhizoctonia solani* isolates from rice, maize and green gram. *Indian Phytopath* 62 (2): 147-154.
- Mishra, P.K., Gogoi, R., Singh, P.K., Rai, S.N., Kumar, A. 2014. Effect of photo period on morpho-cultural characteristic of *Rhizoctonia solani* f. sp. *sasakii* of maize. *Annals of Biology* 30 (4): 733-737.
- Moni, Z.R., Ali, M.A., Alam, M.S., Rahman, M.A., Bhuiyan, M.R., Mian, M.S., Iftikharuddaula, M.K., Latif, M.A. 2016. Morphological and genetical variability among *Rhizoctonia solani* isolates causing sheath blight disease of rice. *Rice Science* 23 (1): 42-50.
- Mothibeli, K., Moleboheng, L., Mpho, L., Motlatsi, E.M., Norman, M. 2023. First report of *Rhizoctonia solani* associated with black scurf of potato tubers in Lesotho. *International Journal of Phytopathology* 12 (1): 87-97.
- Mughal, M.N., Sabiya, B., Nazir, A. B., Bhat, K.A. 2017. Cultural and morphological variability and identification of anastomosis group of *Rhizoctonia solani* (*Thanateohorus cucumeris*) causing sheath blight of rice in Kashmir. *Int.J.Curr.Microbiol.App.Sci* 6 (11): 3787-3794.
- Muzhinji, N., Woodhall, J. W., Truter, M., & Van der Waals, J. E. (2017). Relative contribution of seed tuber- and soilborne inoculum to potato disease development and changes in the population genetic structure of *Rhizoctonia solani* AG 3-PT under Field Conditions in South Africa. *Plant Disease* 102 (1): 60-66.
- Nagaraj, B.T., Gururaj, S., Pramesh, D., Naik, M.K., Patil, M.B., Yadav, M.K., Patil, N.B. 2019. Morphological, genetic and virulence diversity of *Rhizoctonia solani* isolates from different rice growing regions of Southern India. *Research Journal of Biotechnology* 14 (5): 16-23.
- Nurchayati, Y., Nintya, S., Nita, K.D., Fella, S.M. 2019. Karakterisasi morfologi dan fisiologi dari tiga varietas kentang (*Solanum tuberosum* L.) di Kabupaten Magelang Jawa Tengah. *NICHE Journal of Tropical Biology* 2 (2): 38-45.
- Ontario. 2009. *Rhizoctonia* or black scurf. <<https://www.omafra.gov.on.ca/IPM/english/potatoes/diseases-and-disorders/rhizoctonia.html>> . Diakses 16 Oktober 2023.
- Palanisamy, G. & Sunil, C.D. 2013. Anastomosis grouping and genetic diversity analysis of *Rhizoctonia solani* isolates causing wet root rot in chickpea. *African Journal of Biotechnology* 12 (43): 6159-6169.
- Pegg, K. & Andrew, M. 2014. *Rhizoctonia* : a variable and versatile nursery pathogen. Nursery Production Plant Health & Biosecurity Project, DAFF Agriscience Queensland.
- Priyatmojo A, Escopalao VE, Tangonan NG, Pascual CB, Suga H, Kageyama K, Hyakumachi M. 2001. Characterization of a new subgroup of *Rhizoctonia solani* anastomosis group 1 (AG-1-ID), causal agent of a necrotic leaf spot on coffee. *Phytopathology* 91 (11): 1054-1061.
- Priyatmojo, A., Yotani, Y., Hattori, K., Kageyama, K., Hyakumachi, M. 2001. Characterization of *Rhizoctonia* spp. causing root and stem rot of miniature rose. *Plant. Dis.* 85 (11): 1200-1205.
- Richard. 2020. Should I remove potato fruit: the what and why. GrowerExperts.com. <<https://www.growerexperts.com/should-i-remove-potato-fruit/>>. Diakses 16 Oktober 2023.



- Robertson, T.M., Abdulrahman, Z.A., Denise, M.R., Barbara, A.F. 2018. Starchy carbohydrates in a healthy diet: the role of the humble potato. *Nutrients* 10 (1764): 1-28.
- Salman, O. & Nuh, B. 2023. Determination of disease severity of *Rhizoctonia solani* Kuhn (Teleomorph: *Thanatephorus cucumeris* (Frank) Donk) isolates from bean, sugar beet and potato planting areas in Konya. *Selcuk Journal of Agricultural and Food Sciences* 37 (1): 119-132.
- Schoch CL, *et al.* 2020. NCBI Taxonomy: a comprehensive update on curation, resources and tools. Database (Oxford). <  
<https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=456999>>.  
Diakses 09 Maret 2024.
- Singh J, Kumar A. 2018. Variability among isolates of *Rhizoctonia solani* inciting web blight of Mungbean. *Int J Curr Microbiol App Sci.* 7 (9):2501–2510.
- Singh, V., Amaradasa, B.S., Karjagi, C.G., Lakshman, D.K., Hooda, K.S., Kumar, A. 2018. Morphological and molecular variability among Indian isolates of *Rhizoctonia solani* causing banded leaf and sheath blight in maize. *Eur J Plant Pathol* 152 (1): 45–60.
- Sneh, B., Suha, J., Stephen, N., Gerda, D. 1996. *Rhizoctonia* species : taxonomy, molecular biology, ecology, pathology, and disease control. Kluwer Academic Publishers, Dordrecht.
- Soelistijono, Achmadi, P., Endang, S., Christanti, S. 2011. Karakterisasi isolat *Rhizoctonia* sp. patogenik dan *Rhizoctonia* mikoriza pada tanaman anggrek tanah *Spathoglottis plicata*. *Biota* 16 (2): 371-380.
- Soenartiningih, M. Akil, dan N.N. Andayani. 2015. Cendawan Tular Tanah (*Rhizoctonia solani*) Penyebab Busuk Pelepah Pada Tanaman Jagung Dan Sorghum Dengan Komponen Pengendaliannya. *Iptek Tanaman Pangan* 10 (2): 85-92.
- Toda, T., Mitsuro, H., Haruhisa, S., Koji, K., Akemi, T., Toshikazu, T. 1999. Differentiation of *Rhizoctonia* AG-D isolates from turfgrass into subgroups I and II based on rDNA and RAPD analyses. *European Journal of Plant Pathology* 105: 835-846.
- Wharton, P., Elisabeth, W. 2013. *Rhizoctonia* stem canker and black scurf of potato. Agricultural Experiment & UI Extension Publications, Special Collections Idaho.
- Wulandari, S., Y.S. Nisa, Taryono, S. Indarti, dan R.R.S. Sayekti. 2021. Sterilisasi peralatan dan media kultur jaringan. *Agrinova* 2 (4): 16-19.