

DAFTAR PUSTAKA

- Aak. (1990). *Budidaya Tanaman Padi*. Yogyakarta: Kanisius.
- Aak. (1995). *Berbudidaya Tanaman Padi*. Kanisius, Yogyakarta
- Achmad, Mahmud. (2008). *Tehnik Simulasi dan Permodelan*. Diakses pada 25 Oktober 2024, dari http://repository.upi.edu/11779/11/T_PKKH_1104495_Chapter2.pdf.
- Adhikari, B., Mehera, B., & Haefele, S. (2013). Impact of rice nursery nutrient management, seeding density and seedling age on yield and yield attributes.
- Agustin DA, Riniarti M, Duryat. (2014). Pemanfaatan limbah serbuk gergaji dan arang sekam sebagai media sapih untuk cempaka kuning (*Michelia champaca*). *Jurnal Sylva Lestari* 2 (3): 49-58.
- Amrullah, D. Sopandie, Sugianta dan A. Junaedi. (2014). Peningkatan produktivitas tanaman padi (*Oryza sativa* L.) melalui pemberian nano silika. *J Tanaman Pangan* 13 (1):17–32.
- Anoop, D, R Khurana, S Jaskarn and S Gurusahib. (2007). Comparative performance of different paddy transplanters developed in India - A review, *Agricultural Reviews*, Dept. of Farm Power and Machinery, Punjab Agricultural University, Ludhiana, India, Year : 2007, Volume : 28, Issue: 4. Pp. 262-269.
- Atiyeh RM, Arancon N, Edwards CA, Metzger JD (2000a) Influence of earthworm-processed pig manure on the growth and yield of greenhouse tomatoes. *Bioresour Technol* 75:175–180. [https://doi.org/10.1016/S0960-8524\(00\)00064-X](https://doi.org/10.1016/S0960-8524(00)00064-X)
- Atiyeh RM, Subler S, Edwards CA, Bachman G, Metzger JD, Shuster W (2000b) Effects of vermicomposts and composts on plant growth in horticultural container media and soil. *Pedobiologia* 44:579–590. <https://doi.org/10.1078/S0031-4056/00/44/05-579>
- Datta, S., Taghvaeian, S., & Stivers, J. (2017). Understanding soil water content and thresholds for irrigation management.
- Behera, B.K., Varshney, B.P., Swain, S., (2007). Influence of seedling mat characteristics on performance of self-propelled rice transplanter. *Agric. Eng. Today* 31 (1), 1–6.
- BPS. (2023). *Luas Panen Padi 2022*. Retrieved Juni 20, 2023, from Badan Pusat Statistika (BPS). [online]. <https://www.bps.go.id/pressrelease/2023/03/01/2036/pada-2022--luas-panen-padi-mencapai-sekitar-10-45-juta-hektar-dengan-produksi-sebesar-54-75-juta-ton-gkg-.html>.

- BBPADI. (2015). BBPADI - Pengertian Umum Varietas, Galur, Inbrida, dan Hibrida.
- Bidwell, R. G. (1974). *Plant physiology*. New York: Macmillan Publishing Co., Inc.
- Cayaray, Sarliaji. (2014). *Model Layanan Perpustakaan Sekolah Luar Biasa*. Bandung: Perpustakaan UPI.
- Choudhary, V., Machavaram, R., & Soni, P. (2023). Optimizing mat quality and transplanter performance using soil mix with vermicompost and farmyard manure in paddy tray nursery: A sustainable smart farming approach in India. *Farming System, 1*(3), 100046. <https://doi.org/10.1016/j.farsys.2023.100046>
- Choudhary V. and Machavaram.(2023) R, A Comprehensive Review of Sustainable Soil Organic Growing Media for Mat-Type Paddy Seedling Nurseries Under Indian Agronomical Condition, *J. Soil Sci. Plant Nutr.* 23, 1515
- Daradjat. (2010). The Formation of Varieties Preeminen Type New Fatmawati. *Journal Agriculture Research*, 25, 1–7.
- Departemen Pertanian. (1983). *Pedoman Bercocok Tanam Padi Palawija Sayur-sayuran*. Departemen Pertanian Satuan Pengendali BIMAS. Jakarta.
- Darwati,E. dan Noeriwan. (2019). Keragaan hasil VUB padi Inpari 42, 43, 32 dan varietas existing Ciherang di Kp. Mojosari. *Prosiding Temu Teknis Jabatan Fungsional Non Peneliti*, hal. 363-369
- Ding, Z., Kheir, A. M. S., Ali, O. A. M., Hafez, E. M., ElShamey, E. A., Zhou, Z., Wang, B., Lin, X., Ge, Y., Fahmy, A. E., & Seleiman, M. F. (2021). A vermicompost and deep tillage system to improve saline-sodic soil quality and wheat productivity. *Journal of Environmental Management*, 277(September 2020). <https://doi.org/10.1016/j.jenvman.2020.111388>
- Dunand, R., & Saichuk, J. (2014). *Rice growth and development*. Louisiana Rice Production Handbook, Pub, 2321(5), 14.
- Dona, A. (2013). *Analisis Kesesuaian Potensi Dan Produksi Beras Di Kecamatan Delanggu Kabupaten Klaten Tahun 2006-2010*. Universitas Muhammadiyah Surakarta.
- Edwards CA, Burrows I (1988) Potential of earthworm composts as plant growth media. *Earthworms in waste and environmental management*/edited by Clive A. Edwards and Edward F. Neuhauser
- FAOSTAT. (2019). *No Title*. United Nations Food and Agricultural Organisation. <http://www.fao.org/faostat/en/#data>
- Fageria, N. K., Moreira, A., Ferreira, E. P. B., & Knupp, A. M. (2013). "Potassium-

- use efficiency in upland rice genotypes." *Communications in soil science and plant analysis* 44.18: 2656-2665
- Fourcaud, Thierry., Xiaopeng Zhang., Alexis Stokes., Hans Lambers., & Christian Körner. (2008). Plant Growth Modelling and Applications: The Increasing Importance of Plant Architecture in Growth Models. *Annals of Botany*, 101 (8), 1053 – 1063.
- Ghozali, Imam. (2009). Aplikasi Analisis Multivariate dengan Prog SPSS. Semarang: Badan Penerbit Universitas Diponegoro
- Han PJ, Oh YT, Park NG (1983) Experiment to use expanded rice husk. Exp Report at Agri Sci Inst. 888–902
- Handoko, T. Hani. (2005). Manajemen Personalia dan Sumber Daya Manusia. Yogyakarta: BPFE.
- Harahap, Z., Partoatmodjo, A., dan Hadisjaban, I. (1977). Deskripsi Varietas Padi Unggul. Bogor: Perc. Gaya Teknik Offset.
- Hadi, H., Hasbul., Chalil, D., Seprido., & Ginting, R. (2017). Pengaruh perubahan iklim terhadap produksi padi sawah di Provinsi Sumatera Utara. *Journal on Social Economic of Agriculture and Agribusiness*, 8(5).
- Haytham, M. E., Hassaanein, M. K., Zahoor, A., & Kotamy, T. M. El. (2010). Rice Straw-Seedbed for Producing Rice Seedling Mat. *International Journal of Sustainable Agriculture*, 2(2), 26–33.
- Hossen, M., Hossain, M., Haque, M., & Bell, R. (2019). Effect of Seed Rate on Seedling Quality for Mechanical Rice Transplanting. *Bangladesh Rice Journal*, 22(1), 9–23. <https://doi.org/10.3329/brj.v22i1.41834>
- Hossen, A. M., Hossain, M. M., Haque, E. M., & Bell, R. W. (2018). Effect of growing media on mat type seedling raised for mechanical rice transplanting. *Research in Agricultural Engineering*, 64(3), 157–167. <https://doi.org/10.17221/79/2016-RAE>
- Hou, D., Bi, J., Ma, L., Zhang, K., Li, D., Rehmani, M. I. A., ... & Luo, L. (2022). Effects of soil moisture content on germination and physiological characteristics of rice seeds with different specific gravity. *Agronomy*, 12(2), 500.
- Inden H & Torres A (2001) Comparison of four substrates on the growth and quality of tomatoes. *Int Symp Growing Media Hydroponics* 644:205–210. <https://doi.org/10.17660/ActaHortic.2004.644.27>
- Islam, A K M S, M A Rahman, A K M L Rahman, M T Islam and M I Rahman.

- (2016). Techno-economic performance of 4-row self-propelled mechanical rice transplanter at farmers' field in Bangladesh. *Progressive Agriculture* 27 (3): 369-382.
- Isnawan, Bambang Heri., N. Kurwasit., G. Supangkat., & Suryo Ediyono. (2017). Kajian Macam Pengairan dan Varietas Lokal Pada Pertumbuhan dan Hasil Padi (*Oryza sativa* L.) Metode SRI (System of Rice Intensification). *Saintis*, 9 (2), 181 – 192.
- Kim JY, Kim KM, Sohn JK. (2003) Effect of nursery soil made of expanded rice hull on rice seedling growth. *Korean J Crop Sci* 48:179–183
- Kusmarwiyah R, Erni S. (2011). Pengaruh media tumbuh dan pupuk organik cair terhadap pertumbuhan dan hasil tanaman seledri (*Apium graveolens* L.). *Crop Agro* 4 (2): 7-12.
- Latifah, Siti. (2004). Tinjauan Konseptual Model Pertumbuhan Dan Hasil Tegakan Hutan. Medan: Fakultas Kehutanan, Universitas Sumatera Utara.
- Li, P. C. H., Ali, S., Lai, H., Louie, A., Callaghan, R., Coley, R., & Lin, B. (2014). *Board of Editorial Advisors*.
- Lingga, P dan Marsono. 2008. Petunjuk Penggunaan Pupuk. Penebar Swadaya. Jakarta.156 Hal.
- Ling, Y., Liu, M., Feng, Y., Xing, Z., Gao, H., Wei, H., ... & Zhang, H. (2023). Effects of increased seeding density on seedling characteristics, mechanical transplantation quality, and yields of rice with crop straw boards for seedling cultivation. *Journal of Integrative Agriculture*.
- Makarim, A. K., & Suhartatik, E. (2009). Morfologi dan Fisiologi Tanaman Padi (pp. 297–330)
- Mamun MAA, Rana MM, Mridha AJ (2013) Tray soil management in raising seedlings for rice transplanter. *Can J Pure Appl Sci* 7:2481–2489
- Mandal, U. K., Singh, G., Victor, U. S., & Sharma, K. L. (2003). Green manuring: Its effect on soil properties and crop growth under rice - Wheat cropping system. *European Journal of Agronomy*, 19(2), 225–237.
[https://doi.org/10.1016/S1161-0301\(02\)00037-0](https://doi.org/10.1016/S1161-0301(02)00037-0)
- Manurung, S. O., dan Ismunadi, M. (1988). Padi (1st ed.; M. Ismunadji, S.
- Macleon, J.L., Dawe, D.C., Hardy, B. and H. (2013). Rice Almanac. In *IRRI, Los Baños, Philippines*.
<http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Rice+Almanac#1>

- Mathew, G. . (2015). "Standardization of media for tray nursery technique in rice," Thesis, Kerala Agricultural University, Thrissur [Kerala Agricultural University]. <https://krishikosh.egranth.ac.in/handle/1/68978>
- Minnesota Pollution Control Agency. (2022). Soil water storage properties. Retrieved December 17, 2024, from https://stormwater.pca.state.mn.us/index.php/Soil_water_storage_properties
- Munda, S., Saha, S., & Adak, T. (2018). *Rice nursery bed*. 68(May), 3–5.
- Mulat, T. 2003. Membuat dan Memanfaatkan Kascing Pupuk Organik Berkualitas. Agro Media Pustaka. Jakarta.
- Pan, S., Liu, H., Mo, Z., Patterson, B., Duan, M., Tian, H., Hu, S., & Tang, X. (2016). Effects of Nitrogen and Shading on Root Morphologies, Nutrient Accumulation, and Photosynthetic Parameters in Different Rice Genotypes. *Scientific Reports*, 6(May), 1–14. <https://doi.org/10.1038/srep32148>
- Pathak, H., Bisen, J. P., Jambulkar, N. N., Tripathi, R., & Panda, B. B. (2020). Eco-regional-based rice farming for enhancing productivity, profitability and sustainability.
- Patnaik, P., Abbasi, T., & Abbasi, S. A. (2020). Vermicompost of the widespread and toxic xerophyte prosopis (*Prosopis juliflora*) is a benign organic fertilizer. *Journal of Hazardous Materials*, 399(December 2019), 122864. <https://doi.org/10.1016/j.jhazmat.2020.122864>
- Putri AI. (2008). Pengaruh media organik terhadap indeks mutu bibit cendana (*Santalum album*). *Jurnal Pemuliaan Tanaman Hutan* 21 (1): 1-8.
- Purwono dan H. Purnamawati. (2007). *Budidaya 8 Jenis Tanaman Pangan Unggul*. Penebar Swadaya. Jakarta. 139 hal
- Purnomo, E,A., Sutrisno, E., Sumiyati, S., (2017). Pengaruh Variasi C/N Rasio Terhadap Produksi Kompos Dan Kandungan Kalium (K), Pospat (P) Dari Batang Pisang Dengan Kombinasi Kotoran Sapi Dalam Sistem Vermicomposting. *Jurnal Teknik Lingkungan*, 6(1).
- Pyngrope, D., Mithare, P., & Ghosh, G. (2019). Influence of Different Planting System and Levels of Nitrogen on Growth, Yield, Quality and Economics of Rice (*Oryza sativa* L.) - A Review. *International Journal of Current Microbiology and Applied Sciences*, 8(01), 2161–2172. <https://doi.org/10.20546/ijcmas.2019.801.226>
- Radha, T. K., Ganeshamurthy, A. N., Mitra, D., Sharma, K., Rupa, T. R., & Selvakumar, G. (2018). Feasibility of Substituting Cocopeat With Rice Husk

- and Saw Dust Compost As a Nursery Medium for Growing Vegetable Seedlings. *N Save Nature to Survive*, 13(2), 659–663. www.thebioscan.com
- Rahman, M R. 1997. Pesticide use and its impact on MV rice productivity and farmer's health. MS Thesis. Department of Agricultural Economics, BSMR Agricultural University, Salna, Gazipur.
- Rathnayake, W. M. U. K., De Silva, R. P., & Dayawansa, N. D. K. (2016). Assessment of the suitability of temperature and relative humidity for rice cultivation in rainfed lowland paddy fields in Kurunegala district.
- Ristanti, N. S., & Nuha, A. S. (2020). Konsep Perancangan " Agro-Industrial Rural Tourism" Di Desa Tlingsing Kecamatan Cawas Kabupaten Klaten. *Jurnal Pasopati: Pengabdian Masyarakat dan Inovasi Pengembangan Teknologi*, 2(2)
- Ruan, S., Wu, F., Lai, R., Tang, X., Luo, H., & He, L. (2021). Preliminary application of vermicompost in rice production: Effects of nursery raising with vermicompost on fragrant rice performances. *Agronomy*, 11(6). <https://doi.org/10.3390/agronomy11061253>
- Sarma B & Gogoi N (2015) Germination and seedling growth of Okra (*Abelmoschus esculentus* L.) as influenced by organic amendments. *Cogent food agric* 1:1030906. <https://doi.org/10.1080/23311932.2015.1030906>
- Sattar, S A. 1999. A brief note on bridging the yield gap in Bangladesh. Unpublished report. Agronomy Division, BRRI, Gazipur.
- Shaikh, N. Y., Alam, M. A., Kamruzzaman, M., Al Mamun, M. A., & Islam, A. S. (2021). Effect of seeding density on Mat-type seedling quality for mechanical transplanting in dry season rice. *Agricultural Sciences*, 12(11), 1231-1243.
- Siregar, S. E. (2014). *Pengolahan Tanah Tanaman Padi*. Politeknik Negeri Jember, Jember.
- Sumartono, B. Saurdi, dan R. Hardjono. (1974). *Bercocok Tanam Padi*. CV Yasaguna. Jakarta.
- Sahrawat KL (2005) Fertility and organic matter in submerged rice soils. *Curr Sci* 88: 735–739. <https://www.jstor.org/stable/24111259>
- Setyaningrum, I. N., & Banowati, E. (2020). Pengaruh Faktor Geografis Terhadap Perubahan Produktivitas Jenis Padi di Kecamatan Delanggu Kabupaten Klaten. *Geo-Image*, 9(2), 114-120.
- Singh, M. D., & Kant. 2008. Knowledge Management Barriers: An Interpretive Structural Modeling Approach. *International Journal of Management Science and Engineering Management*, 3, 139 – 150.

- Siyoto, Sandu., & M. Ali Sodik. (2015). *Dasar Metodologi Penelitian*. Yogyakarta: Literasi Media Publishing.
- Supranto. (2009). *Statistik Teori dan Aplikasi, Edisi ketujuh Jilid 2*. Jakarta: Penerbit Erlangga.
- Thornley, J. H. M. and France, J. (2007). *Mathematical Models in Agriculture*. Wallingford: CABI.
- Tsakaldimi, M. (2006). Kenaf (*Hibiscus cannabinus* L.) core and rice hulls as components of container media for growing *Pinus halepensis* M. seedlings. *Bioresource Technology*, 97(14), 1631–1639.
<https://doi.org/10.1016/j.biortech.2005.07.027>.
- Wuryaningsih, S. 1996. Pertumbuhan Beberapa Setek Melati pada Tiga Macam Media. *Jurnal Penelitian Pertanian*. 5(3):50-57.