

DAFTAR PUSTAKA

- Akhter, M., M. Riaz, M. Sabar, Z. Haider, and T. Latif. 2014. Hybrid Rice Development in Pakistan: Assessment of Limitations and Potentials. *In*: John Clewley (Ed.) Hybrid rice development in Asia: Assessment of limitations and potential. Proceedings of Expert Consultation on Hybrid Rice Development in Asia – Assessment of Limitations and Potential, 2-3 July 2014, Bangkok, p: 131-150.
- Anonim. 2009. Budidaya Tanaman Padi. Badan Ketahanan Pangan dan Penyuluh Pertanian Aceh bekerja sama dengan Balai Pengkajian Teknologi Pertanian NAD. <<http://nad.litbang.pertanian.go.id/ind/images/dokumen/modul/10-Budidaya-padi.pdf>>. Diakses 11 Agustus 2022.
- Arafah. 2009. Pedoman Teknis Perbaikan Kesuburan Lahan Sawah Berbasis Jerami. Gramedia, Jakarta.
- Aronhime, S., C. Calcagno, G. H. Jajamovich, H. A. Dyvorne, P. Robson, D. Dieterich, F. M. Isabel, V. Martel-Lafferriere, M. Chatterji, H. Rusinek, and B. Taouli. 2013. DCE-MRI of the liver: Effect of linear and nonlinear conversions on hepatic perfusion quantification and reproducibility. *JMRI*, 40(1): 90-98.
- Ariffin. 2019. Metode Pengelompokan Iklim di Indonesia. UB Press, Malang.
- Awan, T. H., M. Ahmad, I. Ali, M. Anwar, and Z. Manzoor. 2007. Contribution of tillers within a rice plant to yield and yield components. *J. Agric. Res.*, 45(3): 237-243.
- Badan Pusat Statistik. 2022. Produksi Padi dan Beras Menurut Provinsi. <https://www.bps.go.id/indikator/indikator/view_data_pub/0000/api_pub/d3ZjM280TU9FankldDRETUV5aVdndz09/da_05/1>. Diakses 17 Juni 2023.
- Balai Besar Penelitian Tanaman Padi. 2016. Pengelompokan Umur Tanaman Padi. <<http://bbpadi.litbang.pertanian.go.id/index.php/info-berita/tahukah-anda/pengelompokan-umur-tanaman-padi>>. Diakses 13 Agustus 2022.
- Bassuony, N. N., H. M. Hassan, and A. A. El-hissewy. 2015. Sensitivity of panicle characters of rice (*Oryza sativa* L.) to drought stress and their association with grain yield. *J. Plant Production*, 6(6): 1047-1062.
- BB Padi. 2016. Pengelompokan Umur Tanaman Padi. <<http://bbpadi.litbang.pertanian.go.id/index.php/info-berita/tahukah-anda/pengelompokan-umur-tanaman-padi>>. Diakses 11 Oktober 2022.
- BPTP Jawa Barat. 2021. Laporan Tahunan BPTP Jawa Barat 2021. Badan Pengkajian Teknologi Pertanian (BPTP) Jawa Barat. Badan Penelitian dan Pengembangan Pertanian Kementerian Pertanian.
- Brunava, L. And I. Alsina. 2014. Lodging cause height at the centre of gravity changes during vegetation period for oat. *Research for Rural Development* 1: 56-60.

- Cao, Q.J., H. Xia, X. Yang and B. R. Lu. 2009. Performance of hybrids between weedy rice and insect-resistant transgenic rice under field experiments: implication for environmental biosafety assessment. *Journal of Integrative Plant Biology*, 51(12): 1138–1148. DOI:10.1111/j.1744-7909.2009.00877.x.
- Chen, J. Y., H. W. Zhang, H. L. Zhang, J. Z. Ying, L. Y. Ma, and J. Y. Zhuang. 2018. Natural variation at qHd1 affects heading date acceleration at high temperatures with pleiotropism for yield traits in rice. *BMC Plant Biology*, 18 (1): 112. DOI:10.1186/s12870-018-1330-5.
- Delouche, J. C., N. R. Burgos, D. R. Gealy, G. Z. de San Martin, R. Labrada, M. Larinde, and C. Rosell. 2007. Weedy rices - origin, biology, ecology and control. Food and Agriculture Organization, Rome.
- Dunn, B. and T. Dunn. 2017. Lodging in rice. Primefact, Australia.
- El-Mowafi, H., A. O. Bastawisi, K. A. Attia, A. F. Abdelkhalik, R. M. Abdallah, A. M. Reda, E. F. Arafat, R. A. El-Namaky, M. H. Ammar, S. M. Abdelkhalek, W. A. Ahmed, D. E. El-Sharnoby, O. A. A. El-Badawy, B. A. Zayed, R. A. S. El-Shafey, A. S. Hendawy, M. R. Sherif, A. A. Hadifa, S. M. Shebl, M. I A. Youssef, A. E. Draz, F. N. Mahrous, A. T. Badawi and M. S. M. Soliman. 2019. HR3 (Egyptian Hybrid Rice 3): a new high yielding hybrid variety of rice. *Egypt J. Plant Breed.* 23 (1): 11-23.
- Fang, M., Z. Zhou, X. Zhou, H. Yang, M. Li, and H. Li. 2019. Overexpression of OsFTL10 induces early flowering and improves drought tolerance in *Oryza sativa* L. *PeerJ*. DOI: 10.7717/peerj.6422
- Guo, W., T. Fukatsu, and S. Ninomiya. (2015). Automated characterization of flowering dynamics in rice using field-acquired time-series RGB images. *Plant Methods*, 11 (1): 7. DOI:10.1186/s13007-015-0047-9.
- Jaisyurahman, U., D. Wirnas, Trikoesoemaningtyas dan H. Purnamawati. 2019. Dampak suhu tinggi terhadap pertumbuhan dan hasil tanaman padi. *J. Agron. Indonesia*, 47(3): 248-254.
- Kartina, T., B. P. Wibowo, I. A. Rumanti, dan Satoto. 2017. Korelasi hasil gabah dan komponen hasil padi hibrida. *Penelitian Pertanian Tanaman Pangan*, 1(1): 11-32.
- Kementerian Pertanian. 2019. Buletin Konsumsi Pangan 10 (1). Pusat Data dan Sistem Informasi Pertanian. Sekretariat Jenderal Kementerian Pertanian.
- Kementerian Pertanian. 2022. Statistik Konsumsi Pangan 2022. Pusat Data dan Sistem Informasi Pertanian. Sekretariat Jenderal Kementerian Pertanian.
- Kirana, R. dan E. Sofiari. 2007. Heterosis dan heterobeltiosis pada persilangan 5 genotip cabai dengan metode dialil. *J. Hort.* 17 (2): 111-117

- Krismawati, A. dan Sugiono, 2016. Potensi hasil galur-galur harapan padi hibrida di lahan sawah Kabupaten Malang, Provinsi Jawa Timur. *Bul. Plasma Nutfah*, 22(1): 21-30.
- Kurniawan, J. D., dan M. Chusnah. 2021. Penerapan Kombinasi Pupuk Organik Dinosaurius dan Pupuk Kimia terhadap Pertumbuhan Padi Varietas INPARI 32. Lembaga Penelitian dan Pengabdian kepada Masyarakat Universitas K.H. A. Wahab Hasbullah, Jombang.
- Las, I., 2002. Alternatif Inovasi Teknologi Peningkatan Produktivitas dan Daya Saing Padi. Balai Penelitian Tanaman Padi, Sukamandi.
- Linscombe, S. 2016. Understanding of Growth Stages is Critical in Rice Production. LSU Ag Center. <https://www.lsuagcenter.com/portals/our_offices/research_stations/rice/features/publications/understanding-of-growth-stages-is-critical-in-rice-production>. Diakses 14 Agustus 2022.
- Liu, S., Y. Huang, H. Xu, M. Zhao, Q. Xu, and F. Li. 2018. Genetic enhancement of lodging resistance in rice due to key cell wall polymer lignin, which affects stem characteristics. *Breed. Sci.* 68(5): 506-515. DOI: 10.1270/jsbbs.18050.
- Lukac, M., M. J. Gooding, S. Griffiths, and H. E. Jones. 2012. Asynchronous flowering and within-plant flowering diversity in wheat and the implications for crop resilience to heat. *Annals of Botany*, 109(4): 843-850.
- Makarim, A. K. dan E. Suhartatik. 2009. Morfologi dan Fisiologi Tanaman Padi. Balai Besar Penelitian Tanaman Padi, Sukabumi.
- Makarim, A. K., U. S. Nugraha, dan U. G. Kartasasmita. 2000. Teknologi Produksi Padi Sawah. Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor.
- Manurung, S. O., dan Ismunadji. 1988. Morfologi dan Fisiologi Padi. Badan Penelitian dan Pengembangan Tanaman Pangan, Bogor.
- Mardawilis dan E. Ritonga. 2016. Pengaruh Curah Hujan Terhadap Produksi Tanaman Pangan Kabupaten Kampar Provinsi Riau. *Prosiding Seminar Nasional Lahan Suboptimal*, Palembang 20-21 Oktober 2016, hlm. 335-343.
- Maulana, Z. 2017. Keragaman Plasma Nutfah Padi Lokal Sulawesi Selatan. CV Sah Media, Makassar.
- Mittal, P., R. Gurumurthy, and V. K. Deshpande. 2017. Influence of synchronization techniques and dates of sowing on nicking in parental lines of pearl millet hybrid BPMH-3 seed production. *Advances in Crop Science and Technology*, 05 (06): 319. DOI:10.4172/2329-8863.1000319.
- Mohapatra, P. K., and B. B. Sahu. 2022. Panicle Architecture of Rice and its Relationship with Grain Filling. Springer, Switzerland.

- Mulyadi and L. Jiang. 2023. Combined application of arbuscular mycorrhizal fungi (AMF) and nitrogen fertilizer alters the physicochemical soil properties, nitrogen uptake, and rice yield in a polybag experiment. *Agriculture*, 13 (1364): 1-16. DOI: 10.3390/agriculture 13071364.
- Mulyawati, R., Parjanto, dan A. Yunus. 2021. Yield of the Mutant (M6) Short Stem of Mentik Wangi Rice Varieties Resulting from Gamma Ray Irradiation 300 Gray. *Journal of Biodiversity and Biotechnology*, 1(2): 72-79.
- Murchie, E. H., J. Yang, S. Hubbart, P. Horton, and S. Peng. 2002. Are there association between grain-filling rate and photosynthesis in the flag leaves of field-grown rice? *J. Exp. Bot.*, 53(378): 2217.
- Mustikarini, E. D., T. Lestari, dan G. I. Prayoga. 2019. Plasma Nutfah Tanaman Potensial di Bangka Belitung. *Uwais Inspirasi Indonesia*, Sidoarjo.
- Ospina, R., and F. Marmolejo-Ramos. 2019. Performance of Some Estimators of Relative Variability. *Front. Appl. Math. Stat.*, 5. DOI:10.3389/fams.2019.00043
- Peng, S., G. S. Khush, and K. G. Cassman. 1994. Evolution of the new plant ideotype for increased yield potential. Dalam: K. G. Cassman, penyunt. *Breaking the Yield Barrier. Proceedings of a Workshop of Rice Yield Potential in Favorable Environments*. Los Banos: International Rice Research Institute, pp. 5-20.
- Pracaya dan P. C. Kahono. 2019. *Budi Daya Padi*. Sunda Kelapa Pustaka, Jakarta.
- Promchote, P., S. S. Wang, J. H. Yoon, P. G. Johnson, E. Creech, Y. Shen, Y. Yuan, and M. Hwi. 2022. On the changing cool season affecting rice growth and yield in Taiwan. *Agronomy*, 12(11): 2625.
- Pusat Data dan Sistem Informasi Pertanian. 2022. *Outlook Komoditas Pertanian Padi*. Pusat Data dan Sistem Informasi Pertanian. Sekretariat Jenderal Kementerian Pertanian.
- Rahman, M. A., M. E. Haque, B. Sikdar, M. A. Islam, and M. N. Matin. 2012. Correlation analysis of flag leaf with yield in several rice cultivars. *J. Life Earth Sci.*, 8: 49-54.
- Rumanti, I. A., I. S. Dewi, B. S. Purwoko, dan H. Aswidinoor. 2009. Evaluasi Galur Haploid Ganda Pelestari Hasil Kultur Antera untuk Perakitan Galur Mandul Jantan. *J. Agron. Indonesia*, 37(1): 1-7.
- Sadaruddin. 2022. Akumulasi dan Distribusi Bahan Kering Tanaman Padi Lokal Hubungannya terhadap Hasil Gabah. Dalam: B. Saragih, P. A. R. Utoro, R. A. Prasetyo dan Q. Aini, (penyunt.) *Pertanian dan Masa Depan*. Yogyakarta: Deepublish dengan Fakultas Pertanian Universitas Mulawarman, p. 143.
- Sharma, R.K. 2016. Manipulation for Achieving Flowering Synchrony for Hybrid Seed Production. *Biotech Articles*. <<https://www.biotecharticles.com/Agriculture->

Article/Manipulation-for-Achieving-Flowering-Synchrony-for-Hybrid-Seed-Production-3580.html>. Diakses 13 Agustus 2022.

- Song, Q., G. Zhang, and X.G. Zhu. 2013. Optimal crop canopy architecture to maximise canopy photosynthetic CO₂ uptake under elevated CO₂ - a theoretical study using a mechanistic model of canopy photosynthesis. *Functional Plant Biology*. 40 (2): 108. DOI: 10.1071/FP12056.
- Sudharmawan, A. A. K., I. G. P. M. Aryana, N. W. S. Suliartini, and R. A. Candraningsih. 2022. Mutant character of the M3 generation of red rice (G16) results by gamma ray irradiation 300 gy. *JPPIPA*, 8(6): 2888-2893.
- Sujono, J., N. Matsuo, K. Hiramatsu, and T. Mochizuki. 2011. Improving the water productivity of paddy rice (*Oryza sativa* L.) cultivation through water saving irrigation treatments. *Agricultural Sciences*, 2(4): 511-517. DOI:10.4236/as.2011.24066
- Susanto, U., A. A. Daradjat, dan B. Suprihatno. 2003. Karakterisasi dua puluh padi (*Oryza sativa* L.) lokal di Daerah Istimewa Yogyakarta. *Jurnal Vegetalika* 4 (3): 29-41.
- Tanjung, A. A. dan Mulyani. 2021. Metodologi Penelitian: Sederhana, Ringkas, Padat dan Mudah Dipahami. Scopindo Media Pustaka, Surabaya.
- Union for The Protection of New Varieties of Plants (UPOV). 2020. RICE: Guidelines for the conduct of tests for distinctness, uniformity, and stability. International Union for The Protection of New Varieties of Plants, Geneva.
- United States Department of Agriculture. 2020. Classification for Kingdom Plantae Down to Species *Oryza sativa* L. The PLANTS Database. <<https://plants.usda.gov/home/classification/24211>>. Diakses 12 Agustus 2022.
- University of California Division of Agriculture and Natural. 2018. Rice Production Workshop Manual. Rice. University of California. <https://rice.ucanr.edu/Reports-Publications/Rice_Production_Workshop_Manual/>. Diakses 12 Agustus 2022.
- Utama, M. Z. H. 2015. Budidaya Padi pada Lahan Marjinal. Penerbit Andi, Yogyakarta.
- Utama, M.Z.H. 2019. Budi Daya Padi Hitam dan Merah pada Lahan Marginal dengan Sistem SBSU. Penerbit Andi, Yogyakarta.
- Varma, R. L., S. Singh, M. Kumar, D. Bal, D. Rout, S. Samantaray, and O. N. Singh. 2018. Method Optimization for Parental Line Synchronization in Hybrid Rice Seed Production. *Plant Archives*, 18: 200-204.
- Vergara, B. S. and T. T. Chang. 1985. The Flowering Response of the Rice Plant to Photoperiod: A Review of The Literature. International Rice Research Institute, Los Banos.



- Wang, W., H. Gao, Y. Liang, J. Li, and Y. Wang. 2022. Molecular basis underlying rice tiller angle: Current progress and future perspectives. *Molecular Plant*, 15 (1): 125–137. DOI:10.1016/j.molp.2021.12.002.
- Widyastuti, Y., I.A. Rumanti, dan Satoto. 2012. Perilaku pembungaan galur-galur tetua padi hibrida. *IPTEK Tanaman Pangan*, 7 (2): 67-78.
- Wu, D. H., C. T. Chen, M. D. Yang, Y. C. Wu, C. Y. Lin, M. H. Lai, and C. Y. Yang. 2022. Controlling the lodging risk of rice based on a plant height dynamic model. *Botanical Studies*, 63. DOI:10.1186/s40529-022-00356-7
- Xia, K., R. Wang, X. Ou, Z. Fang, C. Tian, J. Duan, Y. Wang, and M. Zhang. 2012. OsTIR1 and OsAFB2 Downregulation via OsmiR393 Overexpression Leads to More Tillers, Early Flowering and Less Tolerance to Salt and Drought in Rice. *PLoSOne*, 7(1): e30039.
- Yoshida, S. 1981. *Fundamentals of Rice Crop Science*. The International Rice Research Institute, Manila.
- Zhou, S., S. Zhu, S. Cui, H. Hou, H. Wu, B. Hao, L. Cai, Z. Xu, L. Liu, L. Jiang, H. Wang, and J. Wan. 2021. Transcriptional and post-transcriptional regulation of heading date in rice. *New Phytologist*, 230 (3): 943–956. DOI:10.1111/nph.17158.