DAFTAR PUSTAKA

Abdelaal, K., Mazrou, Y., Mohamed, A., Ghazy, M., Barakat, M., Hafez, Y., & Gaballah, M. (2021). The different responses of rice genotypes to heat stress associated with morphological, chlorophyll and yield characteristics. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, *49*(4). https://doi.org/10.15835/nbha49412550

Aulia, D. E. M., Sakhidin, & Dewi, P. S. (2021). *Karakteristik Morfologi dan Fisiologi Tanaman Padi (Oryza sativa L.) pada Cekaman Suhu Tinggi*.

BPS, B. P. S. (2022). *Berita Resmi Statistik Luas Panen dan Produksi Padi di Jawa Tengah tahun 2022*.

Budiono, R., Sugiarti, D., Nurzaman, M., Setiawati, T., Supriatun, T., & Zainal Mutaqin, A. (2016). Kerapatan Stomata dan Kadar Klorofil Tumbuhan Clausena excavata berdasarkan Perbedaan Intensitas Cahaya. In *Seminar Nasional Pendidikan dan Saintek*.

Buu, B. C., Ha, P. T. T., Tam, B. P., Nhien, T. T., Hieu, N. van, Phuoc, N. T., Minh, L. the, Giang, L. H., & Lang, N. T. (2014). Quantitative Trait Loci Associated with Heat Tolerance in Rice (Oryza sativa L.) . *Plant Breeding and Biotechnology*, *2*(1), 14–24. https://doi.org/10.9787/pbb.2014.2.1.014

Cao, Z., Li, Y., Tang, H., Zeng, B., Tang, X., Long, Q., Wu, X., Cai, Y., Yuan, L., & Wan, J. (2020). Fine mapping of the qHTB1-1QTL, which confers heat tolerance at the booting stage, using an Oryza rufipogon Griff. introgression line. *Theoretical and Applied Genetics*, *133*(4), 1161–1175. https://doi.org/10.1007/s00122-020-03539-7

Chauhan, H., Khurana, N., Agarwal, P., & Khurana, P. (2011). Heat shock factors in rice (Oryza sativa L.): Genome-wide expression analysis during reproductive development and abiotic stress. *Molecular Genetics and Genomics*, *286*(2), 171–187. https://doi.org/10.1007/s00438-011-0638-8

Chi Buu, B., Quoc Anh, T., Phu Nam Anh, B., Nam, N., The Minh, L., The Cuong, N., van Bang, H., Vinh Hai, T., van Quynh, L., van Hieu, N., Phuoc Tam, B., Thi Thanh Ha, P., Thanh Nha, C., Thi Lang, N., Binh Khiem, N., Chi Minh City, H., Khai, M., Nhon, Q., Dinh, B., & Long, C. (2013). Rice Breeding for Heat Tolerance at Initial Stage. In *OMONRICE* (Vol. 19).

Dewi, P. S., Widiyawati, I., Ferrawati, K., & Nursela, A. A. (2023). Response of 16 Rice Varieties (Oryza sativa L.) to High Temperature at Vegetative Stage. *AIP Conference Proceedings*, *2583*. https://doi.org/10.1063/5.0116158

Duan, H., Tong, H., Zhu, A., Zhang, H., & Liu, L. (2020). Effects of heat, drought and their combined effects on morphological structure and physicochemical properties of rice (Oryza sativa L.) starch. *Journal of Cereal Science*, *95*. https://doi.org/10.1016/j.jcs.2020.103059

Febrianti, N. (2009). *Hubungan Pemanasan Global dengan Kondisi Suhu Udara dan Curah Hujan di Indonesia*.

Feng, Y., Zhai, R. R., Cao, L. Y., Lin, Z. C., Wei, X. H., & Cheng, S. H. (2011). QTLs for Plant Height and Heading Date in Rice Under Two Nitrogen Levels. *Acta*

Agronomica Sinica, *37*(9), 1525–1532. https://doi.org/10.1016/S1875-2780(11)60042-4

Gaurana-Nuñez, M. L., & Sta Cruz, P. C. (2022). Molecular and morpho-agronomic traits for vegetative stage drought tolerance in some rainfed elite rice lines. *Annals of Tropical Research*, *44*(2), 17–35.

Hanif, S., Saleem, M. F., Sarwar, M., Irshad, M., Shakoor, A., Wahid, M. A., & Khan, H. Z. (2021). Biochemically Triggered Heat and Drought Stress Tolerance in Rice by Proline Application. *Journal of Plant Growth Regulation*, *40*(1), 305–312. https://doi.org/10.1007/s00344-020-10095-3

Jagadish, S. V. K., Raveendran, M., Oane, R., Wheeler, T. R., Heuer, S., Bennett, J., & Craufurd, P. Q. (2010). Physiological and proteomic approaches to address heat tolerance during anthesis in rice (Oryza sativa L.). *Journal of Experimental Botany*, *61*(1), 143–156. https://doi.org/10.1093/jxb/erp289

Khan, F., Naaz, S., Singh, N., Shukla, P. K., Tripathi, R., Yadav, H. K., & Shirke, P. A. (2022). Molecular, physiological and agronomic assessment of genetic diversity in rice varieties in relation to drought treatment. *Current Plant Biology*, *29*, 1–7. https://doi.org/10.1016/j.cpb.2021.100232

Khan, S., Anwar, S., Ashraf, M. Y., Khaliq, B., Sun, M., Hussain, S., Gao, Z. Q., Noor, H., & Alam, S. (2019). Mechanisms and adaptation strategies to improve heat tolerance in rice. A review. In *Plants* (Vol. 8, Issue 11). MDPI AG. https://doi.org/10.3390/plants8110508

Kim, S.-R., Yang, J., An, G., & Jena, K. K. (2016). A Simple DNA Preparation Method for High Quality Polymerase Chain Reaction in Rice. *Plant Breeding and Biotechnology*, *4*(1), 99–106. https://doi.org/10.9787/pbb.2016.4.1.99

Kumar, A. R. N., Vijayalakshmi, C., & Vijayalakshmi, D. (2014). Chlorophyll and Chlorophyll Fluorescence as Influenced by Combined Heat and Drought Stress in Rice. In *Trends in Biosciences* (Vol. 7, Issue 13).

Lang, N. T., Ha, P. T. T., Tru, P. C., Toan, T. B., Buu, B. C., & Cho, Y.-C. (2015). Breeding for Heat Tolerance Rice Based on Marker-Assisted Backcrosing in Vietnam. *Plant Breeding and Biotechnology*, *3*(3), 274–281. https://doi.org/10.9787/pbb.2015.3.3.274

Lawas, L. M. F., Li, X., Erban, A., Kopka, J., Jagadish, S. V. K., Zuther, E., & Hincha, D. K. (2019). Metabolic responses of rice cultivars with different tolerance to combined drought and heat stress under field conditions. *GigaScience*, *8*(5). https://doi.org/10.1093/gigascience/giz050

Manalu, V. M. P., Wirnas, D., & Sudarsono, D. (2017). Karakter Seleksi pada Generasi Awal untuk Adaptasi Padi terhadap Cekaman Suhu Tinggi. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, *45*(2), 109. https://doi.org/10.24831/jai.v45i2.12938

Meriem, S., Puspita Sari, A., Pasaribu, P., Biologi, J., Alauddin Makassar Jl Yasin Limpo No, U. H., Gowa, K., & Selatan, S. (2020). Prolin, Asam Askorbat, dan Kandungan Air Relatif pada Tanaman C3 dan C4 yang Tercekam Kekeringan. *BIOMA*, *2*(2), 26–32.

Osawaru, M. E., Ogwu, M. C., & Imarhiagbe, O. (2015). Principal Component Analysis as an Ideal Tool for analyzing On-farm Research Data. *Biological and Environmental Sciences Journal for the Tropics*, *12*(1), 513–523.

Poli, Y., Kumari Basava, R., Panigrahy, M., Prasanth Vinukonda, V., Rao Dokula, N., Rao Voleti, S., Desiraju, S., & Neelamraju, S. (2013). Characterization of a Nagina22 rice mutant for heat tolerance and mapping of yield traits. *Rice*, *6*(36), 1–9. http://www.thericejournal.com/content/6/1/36

Ramli, O. :, & Muhamad, U. (2020). Uji Efektivitas Media Tanam untuk Pembenihan Padi Pandanwangi (Oryza sativa L). *Jurnal Pro-Stek*, *2*(1).

Rao, G. shun, Ashraf, U., Kong, L. lei, Mo, Z. wen, Xiao, L. zhong, Zhong, K. you, Rasul, F., & Tang, X. ru. (2019). Low soil temperature and drought stress conditions at flowering stage affect physiology and pollen traits of rice. *Journal of Integrative Agriculture*, *18*(8), 1859–1870. https://doi.org/10.1016/S2095-3119(18)62067-2

Rao, S., Ch, K., K, L., M, C., R, S., R, M. S., N, N., & Krishna, R. (2019). Estimation of genetic diversity in rice (Oryzasativa L.) genotypes for heat tolerance using SSR markers. *Journal of Rice Research*, *12*(1), 14–17.

Ravikiran, K. T., Gopala Krishnan, S., Vinod, K. K., Dhawan, G., Dwivedi, P., Kumar, P., Bansal, V. P., Nagarajan, M., Bhowmick, P. K., Ellur, R. K., Bollinedi, H., Pal, M., Mithra, A. C. R., & Singh, A. K. (2020). A trait specific QTL survey identifies NL44, a NERICA cultivar as a novel source for reproductive stage heat stress tolerance in rice. *Plant Physiology Reports*, *25*(4), 664–676. https://doi.org/10.1007/s40502-020-00547-z

Ridha, R., Siregar, D. S., & Marnita, Y. (2018). Tingkat Ketahanan Plasma Nutfah Padi Gogo (Oryza Sativa L.) Lokal Aceh pada Cekaman Suhu Tinggi selama Fase Reproduktif. *AGROSAMUDRA*, *5*(2), 61–69.

Rizko, N., Pancasakti Kusumaningrum, H., Siti Ferniah, R., Pujiyanto, S., Erfianti, T., Nurunnisa Mawarni, S., Tri Rahayu, H., & Khairunnisa, D. (2020). Isolasi DNA Daun Jeruk Bali Merah (Citrus maxima Merr.) dengan Modifikasi Metode Doyle and Doyle. *Berkala Bioteknologi*, *3*(2), 1–7.

Sailaja, B., Anjum, N., Vishnu Prasanth, V., Sarla, N., Subrahmanyam, D., Voleti, S. R., Viraktamath, B. C., & Mangrauthia, S. K. (2014). Comparative Study of Susceptible and Tolerant Genotype Reveals Efficient Recovery and Root System Contributes to Heat Stress Tolerance in Rice. *Plant Molecular Biology Reporter*, *32*(6), 1228–1240. https://doi.org/10.1007/s11105-014-0728-y

Santosa, B., Darmawati, S., Kartika, A. I., Nuroini, F., Ernanto, A. R., Ayuningtyas, A., Salleh, M. N., & Zulaikhah, S. T. (2020). Isolation, identification similarity and qualitative expression of metallothionein gene in ir-bagendit rice (Oryza sativa). *Pharmacognosy Journal*, *12*(4), 709–715. https://doi.org/10.5530/pj.2020.12.103

Sari, V. K., & Murti, R. H. (2015). An effective method for dna extraction of mature leaf of sapodilla (Manilkara zapota (L.) van Royen). *Agrivita*, *37*(1), 18–23. https://doi.org/10.17503/agrivita-2015-37-1-p018-023

Shao, C., Shen, L., Qiu, C., Wang, Y., Qian, Y., Chen, J., Ouyang, Z., Zhang, P., Guan, X., Xie, J., Liu, G., & Peng, C. (2021). Characterizing the impact of high temperature during grain filling on phytohormone levels, enzyme activity and metabolic profiles of an early indica rice variety. *Plant Biology*, *23*(5), 806–818. https://doi.org/10.1111/plb.13253

Sharma, E., Borah, P., Kaur, A., Bhatnagar, A., Mohapatra, T., Kapoor, S., & Khurana, J. P. (2021). A comprehensive transcriptome analysis of contrasting rice cultivars highlights the role of auxin and ABA responsive genes in heat stress response. *Genomics*, *113*(3), 1247–1261. https://doi.org/10.1016/j.ygeno.2021.03.007

Sharma, L., Dalal, M., Verma, R. K., Kumar, S. V. V., Yadav, S. K., Pushkar, S., Kushwaha, S. R., Bhowmik, A., & Chinnusamy, V. (2018). Auxin protects spikelet fertility and grain yield under drought and heat stresses in rice. *Environmental and Experimental Botany*, *150*, 9–24. https://doi.org/10.1016/j.envexpbot.2018.02.013

Soplanit, R., & Nukuhaly, S. H. (2012). Pengaruh Pengelolaan Hara NPK Terhadap Ketersediaan N dan Hasil Tanaman Padi Sawah (Oryza Sativa L.) di Desa Waelo Kecamatan Waeapo Kabupaten Buru. *Agrologia*, *1*(1), 81–90.

Stephen, K., Beena, R., Neethu, M., & Shanija, S. (2022). Identification of heat-tolerant rice genotypes and their molecular characterisation using SSR markers. *Plant Science Today*. https://doi.org/10.14719/pst.1639

Suete, F., Samudin, S., & Hasanah, U. (2017). Respon Pertumbuhan Padi Gogo (Oryza sativa) Kultivar Lokal pada Berbagai Tingkat Kelengasan Tanah. In *Agrotekbis* (Vol. 5, Issue 2).

Supari, N., Javed, M. A., Jahan, N., Khalili, E., & Khan, S. (2016). SCREENING OF PREVIOUSLY REPORTED MICROSATELLITE MARKERS, ASSOCIATED WITH PANICLE CHARACTERISTICS, FOR MAKER ASSISTED SELECTION IN MALAYSIAN RICE (ORYZA SATIVA L.). *The J. Anim. Plant Sci*, *26*(4), 1117–1123. www.gramene.org

Syahfitri, A., Staf, H., Program, P., & Agroekoteknologi, S. (2017). UJI KUALITAS DAN KUANTITAS DNA BEBERAPA POPULASI POHON KAPUR SUMATERA. *Journal of Animal Science and Agronomy Panca Budi*, *2*(2), 1–6.

Syarifuddin, A., Arif Cahyo Wibowo, F., Affandy Yusuf, S., & Agus Dwi Sulistyono, and. (2021). Hubungan Faktor Abiotik terhadap Jumlah Klorofil dan Stomata (Ekofisiologis) pada Tanaman Jati (Tectona grandis L.f.) di Kabupaten Malang. *Jurnal Penelitian Hutan Tanaman*, *18*(1), 51–64.

Törün, B., & Sözen, E. (2018). Determination of the Genetic Variation Among Some Turkish Rice (Oryza sativa L.) Cultivars using ISSRTECHNIQUE. *The Journal of Animal & Plant Science*, *28*(6), 1766–1773.

Waghmare, S. G., Sindhumole, P., Shylaja, M. R., Mathew, D., Francies, R. M., Abida, P. S., & Sajini, S. (2018). Analysis of simple sequence repeat (SSR) polymorphism between N22 and Uma rice varieties for marker assisted selection. *Electronic Journal of Plant Breeding*, *9*(2), 511–517. https://doi.org/10.5958/0975-928X.2018.00062.5

Wirnas, D., Jaisyurahman, U., Marwiyah, S., Trikoesoemaningtyas, Purnamawati, H., & Sutjahjo, S. H. (2020). Seleksi Generasi Awal untuk Toleransi terhadap Suhu

Tinggi pada Padi. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, *48*(2), 111–117. https://doi.org/10.24831/jai.v48i2.30210

Wu, C., Cui, K., & Fahad, S. (2022). Heat Stress Decreases Rice Grain Weight: Evidence and Physiological Mechanisms of Heat Effects Prior to Flowering. In *International journal of molecular sciences* (Vol. 23, Issue 18). NLM (Medline). https://doi.org/10.3390/ijms231810922

Zafar, S. A., Hameed, A., Nawaz, M. A., MA, W., Noor, M. A., Hussain, M., & Mehboob-ur-Rahman. (2018). Mechanisms and molecular approaches for heat tolerance in rice (Oryza sativa L.) under climate change scenario. In *Journal of Integrative Agriculture* (Vol. 17, Issue 4, pp. 726–738). Chinese Academy of Agricultural Sciences. https://doi.org/10.1016/S2095-3119(17)61718-0

Zakiyah, N. M., Handoyo, T., & Kim, K. M. (2019). Genetic Diversity Analysis of Indonesian Aromatic Rice Varieties (Oryza sativa L.) Using RAPD. *Journal of Crop Science and Biotechnology*, *22*(1), 55–63. https://doi.org/10.1007/s12892-018-0271-0

Zhu, S., Huang, R., Wai, H. P., Xiong, H., Shen, X., He, H., & Yan, S. (2017). Mapping quantitative trait loci for heat tolerance at the booting stage using chromosomal segment substitution lines in rice. *Physiology and Molecular Biology of Plants*, *23*(4), 817–825. https://doi.org/10.1007/s12298-017-0465-4

Zou, J., Liu, C., & Chen, X. (2011). Proteomics of rice in response to heat stress and advances in genetic engineering for heat tolerance in rice. In *Plant Cell Reports* (Vol. 30, Issue 12, pp. 2155–2165). https://doi.org/10.1007/s00299-011-1122-y

Zulkifli, T. B. H., Tampubolon, K., Nadhira, A., Berliana, Y., Wahyudi, E., Razali, & Musril. (2020). ANALISIS PERTUMBUHAN, ASIMILASI BERSIH DAN PRODUKSI TERUNG(Solanum melongena L.): DOSIS PUPUK KANDANG KAMBINGDAN PUPUK NPK. *Jurnal Agrotek Tropika*, *8*(2), 295–310.