

DAFTAR PUSTAKA

- Adam, K., & Rudiarto, I. (2017). 9493-21404-1-Sm. *Jurnal Teknik Sipil & Perencanaan*, 19(1), 9–16. file:///C:/Users/user/Downloads/9493-21404-1-SM.pdf
- Afrianingsih, S., Susanto, U., & Ardiarini, N. R. (2018). Tolerance of rice genotype (*Oryza sativa* L.) on vegetative phase and generative phase to drought stress. *Jurnal Produksi Tanaman*, 6(3), 355–363.
- Agarwal, P. K., Agarwal, P., & Sopory, M. K. R. S. K. (2006). *Role of DREB transcription factors in abiotic and biotic stress tolerance in plants*. 1263–1274. <https://doi.org/10.1007/s00299-006-0204-8>
- Ahn, I. P., Kim, S., & Lee, Y. H. (2005). Vitamin B1 functions as an activator of plant disease resistance. *Plant Physiology*, 138(3), 1505–1515. <https://doi.org/10.1104/pp.104.058693>
- Andi Nur Cahyo, Rudi Hari Murti, dan E. T. S. P., 1, & 2, 2. (2020). *Dampak kekeringan terhadap proses fisiologis, pertumbuhan, dan hasil tanaman karet* (. 39(1), 57–72.
- Asiva Noor Rachmayani. (2015). *Padi Varietas Inpago* 6. 6.
- Avivi, S., & Buqori, D. M. A. I. (2022). *Repository Universitas Universitas Jember Digital Repository Repository Universitas Universitas Jember Jember Metabolomik Manfaatnya bagi Pemuliaan*.
- Badan Pusat Statistik. (2024). Luas Panen dan Produksi Padi di Indonesia 2024 (Angka Sementara). *Berita Resmi Statistik*, 10(74), 1–14. <https://www.bps.go.id/id/pressrelease/2022/10/17/1910/pada-2022--luas-panen-padi-diperkirakan-sebesar-10-61-juta-hektare-dengan-produksi-sekitar-55-67-juta-ton-gkg.html>
- Bevilacqua, C., Makhzami, S., Helbling, J. C., Defrenaix, P., & Martin, P. (2010). Maintaining RNA integrity in a homogeneous population of mammary epithelial cells isolated by Laser Capture Microdissection. *BMC Cell Biology*, 11, 1–13. <https://doi.org/10.1186/1471-2121-11-95>

- Breheny, P., Stromberg, A., & Lambert, J. (2018). P-Value histograms: Inference and diagnostics. *High-Throughput*, 7(3), 1–13. <https://doi.org/10.3390/HT7030023>
- Chai, M., Cheng, H., Yan, M., Priyadarshani, S., Huang, X., Lai, L., Chen, H., & Cai, H. (2020). Identification and expression analysis of the DREB transcription factor family in pineapple (*Ananas comosus* (L.) Merr.). 1–26. <https://doi.org/10.7717/peerj.9006>
- Conesa, A., Madrigal, P., Tarazona, S., Gomez-Cabrero, D., Cervera, A., McPherson, A., Szczesniak, M. W., Gaffney, D. J., Elo, L. L., Zhang, X., & Mortazavi, A. (2016). A survey of best practices for RNA-seq data analysis. *Genome Biology*, 17(1), 1–19. <https://doi.org/10.1186/s13059-016-0881-8>
- Conrath, U. (2009). Chapter 9 Priming of Induced Plant Defense Responses. In *Advances in Botanical Research* (1st ed., Vol. 51, Issue C). Elsevier Ltd. [https://doi.org/10.1016/S0065-2296\(09\)51009-9](https://doi.org/10.1016/S0065-2296(09)51009-9)
- Cui, M., Zhang, W., Zhang, Q., Xu, Z., Zhu, Z., Duan, F., & Wu, R. (2011). Plant Physiology and Biochemistry Induced over-expression of the transcription factor OsDREB2A improves drought tolerance in rice. *Plant Physiology et Biochemistry*, 49(12), 1384–1391. <https://doi.org/10.1016/j.plaphy.2011.09.012>
- Dobin, A., Davis, C. A., Schlesinger, F., Drenkow, J., Zaleski, C., Jha, S., Batut, P., Chaisson, M., & Gingeras, T. R. (2013). STAR: Ultrafast universal RNA-seq aligner. *Bioinformatics*, 29(1), 15–21. <https://doi.org/10.1093/bioinformatics/bts635>
- Dubouzet, J. G., Sakuma, Y., Ito, Y., Kasuga, M., Dubouzet, E. G., Miura, S., Seki, M., Shinozaki, K., & Yamaguchi-Shinozaki, K. (2003). OsDREB genes in rice, *Oryza sativa* L., encode transcription activators that function in drought-, high-salt- and cold-responsive gene expression. *Plant Journal*, 33(4), 751–763. <https://doi.org/10.1046/j.1365-3113X.2003.01661.x>
- Ewels, P., Magnusson, M., Lundin, S., & Käller, M. (2016). MultiQC:

- Summarize analysis results for multiple tools and samples in a single report. *Bioinformatics*, 32(19), 3047–3048. <https://doi.org/10.1093/bioinformatics/btw354>
- Farooq, M., A.Wahid, Kobayashi, N., Fujita, D., & Basra, S. M. A. (2009). Review article Plant drought stress: effects, mechanisms and management. *Agron. Sustain. Dev*, 29, 185–212.
- Flexas, J., et al. (2002). *Functional*. 29.
- Fu, N. Y., Rios, A. C., Pal, B., Soetanto, R., Lun, A. T. L., Liu, K., Beck, T., Best, S. A., Vaillant, F., Bouillet, P., Strasser, A., Preiss, T., Smyth, G. K., Lindeman, G. J., & Visvader, J. E. (2015). *EGF-mediated induction of Mcl-1 at the switch to lactation is essential for alveolar cell survival*. August 2014. <https://doi.org/10.1038/ncb3117>
- Gastwirth, J. L., Gel, Y. R., & Miao, W. (2014). *The Impact of Levene's Test of Equality of Variances on Statistical Theory and Practice*. October 2010. <https://doi.org/10.1214/09-STS301>
- Gill, S. S., & Tuteja, N. (2010). Reactive oxygen species and antioxidant machinery in abiotic stress tolerance in crop plants. *Plant Physiology and Biochemistry*, 48(12), 909–930. <https://doi.org/10.1016/j.plaphy.2010.08.016>
- Guo, M., Zhao, H., He, Z., Zhang, W., She, Z., Mohammadi, M. A., Shi, C., Yan, M., Tian, D., & Qin, Y. (2022). Comparative Expression Profiling of Snf2 Family Genes During Reproductive Development and Stress Responses in Rice. *Frontiers in Plant Science*, 13(May), 1–16. <https://doi.org/10.3389/fpls.2022.910663>
- Harb, A., Simpson, C., Guo, W., Govindan, G., Kakani, V. G., & Sunkar, R. (2020). The Effect of Drought on Transcriptome and Hormonal Profiles in Barley Genotypes With Contrasting Drought Tolerance. *Frontiers in Plant Science*, 11(December), 1–23. <https://doi.org/10.3389/fpls.2020.618491>
- Hassan, M. A., Dahu, N., Hongning, T., Qian, Z., Yueming, Y., Yiru, L., & Shimei, W. (2023). Drought stress in rice: morpho-physiological and

- molecular responses and marker-assisted breeding. *Frontiers in Plant Science*, 14(July), 1–16. <https://doi.org/10.3389/fpls.2023.1215371>
- Huang, X., Song, X., Chen, R., Zhang, B., Li, C., Liang, Y., Qiu, L., Fan, Y., Zhou, Z., Zhou, H., Lakshmanan, P., Li, Y., & Wu, J. (2020). *Genome-Wide Analysis of the DREB Subfamily in Saccharum spontaneum Reveals Their Functional Divergence During Cold and Drought Stresses*. 10(February), 1–16. <https://doi.org/10.3389/fgene.2019.01326>
- Imbeaud, S., Graudens, E., Boulanger, V., Barlet, X., Zaborski, P., Eveno, E., Mueller, O., Schroeder, A., & Auffray, C. (2005). Towards standardization of RNA quality assessment using user-independent classifiers of microcapillary electrophoresis traces. *Nucleic Acids Research*, 33(6), 1–12. <https://doi.org/10.1093/nar/gni054>
- Jaglo, K. R., Kleff, S., Amundsen, K. L., Zhang, X., Haake, V., Zhang, J. Z., Deits, T., & Thomashow, M. F. (2001). Components of the Arabidopsis C-repeat/dehydration-responsive element binding factor cold-response pathway are conserved in Brassica napus and other plant species. *Plant Physiology*, 127(3), 910–917. <https://doi.org/10.1104/pp.010548>
- Kofler, R., & Schlötterer, C. (2012). GOWINDA: Unbiased analysis of gene set enrichment for genome-wide association studies. *Bioinformatics*, 28(15), 2084–2085. <https://doi.org/10.1093/bioinformatics/bts315>
- Lata, C., & Prasad, M. (2011). Role of DREBs in regulation of abiotic stress responses in plants. *Journal of Experimental Botany*, 62(14), 4731–4748. <https://doi.org/10.1093/jxb/err210>
- Lathif, Y., Listyorini, D., Lathif, Y., & Listyorini, D. (2018). Varietas Padi Lokal Jawa Timur Tahan Cekaman Kekeringan Berdasarkan Gen East Java Local Rice Varieties Resistant to Drought Based on DREB2A Genes Padi (*Oryza sativa* L .) merupakan dalam menjamin ketersediaan pangan . Indonesia memiliki berbagai macam var. *Journal of Tropical Biology*, 6(3), 89–95.
- Leggett, R. M., Ramirez-Gonzalez, R. H., Clavijo, B. J., Waite, D., & Davey,

- R. P. (2013). Sequencing quality assessment tools to enable data-driven informatics for high throughput genomics. *Frontiers in Genetics*, 4(DEC), 1–5. <https://doi.org/10.3389/fgene.2013.00288>
- Li, M., Li, H., Sun, A., Wang, L., Ren, C., Liu, J., & Gao, X. (2022). Transcriptome analysis reveals key drought-stress-responsive genes in soybean. *Frontiers in Genetics*, 13(November), 1–17. <https://doi.org/10.3389/fgene.2022.1060529>
- Liao, Y., Smyth, G. K., & Shi, W. (2014). FeatureCounts: An efficient general purpose program for assigning sequence reads to genomic features. *Bioinformatics*, 30(7), 923–930. <https://doi.org/10.1093/bioinformatics/btt656>
- Love, M. I., Huber, W., & Anders, S. (2014). Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2. *Genome Biology*, 15(12), 1–21. <https://doi.org/10.1186/s13059-014-0550-8>
- Lubis.Erwina. (n.d.). *75-padi-varietas-inpago-9.pdf*.
- Martin, M. (2013). Cutadapt removes adapter sequences from high-throughput sequencing reads. *Advances in Environmental Biology*, 7(10), 2803–2809.
- Muhammad, I., Ilmu, F., Politik, I., & Semarang, U. N. (2025). *Identifikasi Sebaran Kekeringan Lahan Pertanian Menggunakan Pendekatan Vegetation Health Index Berbasis Data Citra Satelit Penginderaan Jauh Provinsi Jawa Tengah Tahun 2024*. 8. <https://doi.org/10.30595/pspfs.v8i.1471>
- Nadler, S. G., Tritschler, D., Haffar, O. K., Blake, J., Bruce, A. G., & Cleaveland, J. S. (1997). Differential expression and sequence-specific interaction of karyopherin α with nuclear localization sequences. *Journal of Biological Chemistry*, 272(7), 4310–4315. <https://doi.org/10.1074/jbc.272.7.4310>
- Nazirah, L., Purba, E., Hanum, C., & Rauf, A. (2015). Evaluasi toleransi berbagai varietas padi gogo terhadap cekaman kekeringan dengan penggunaan PEG (Polytilene Glicol). *Lentera: Jurnal Ilmiah Sains Dan*

Teknologi, 15(16), 61–68.

Nowicka, M., & Robinson, M. D. (2025). *DRIMSeq : Dirichlet-multinomial framework for differential transcript usage and transcript usage QTL analyses in RNA-seq*. 1–29.

Nurdin. (2011). Antisipasi Perubahan Iklim untuk Keberlanjutan Ketahanan Pangan. *Jurnal Dialog Kebijakan Publik*, 4(November), 21–28.

Oktaviani, F., Novita Sari, I., Handoyo, T., Agus Siswoyo, T., & Ubaidillah, M. (2021). Pengaruh Cekaman Kekeringan Terhadap Ekspresi Gen Ketahanan OSCATA Dan OSAPX1 Pada Padi Toleran Kekeringan. *Jurnal Bioteknologi & Biosains Indonesia*, 8(July), 276–284. <http://ejurnal.bppt.go.id/index.php/JBBI>

Purba, J., Irawaty, Marbun, J. A., Naibaho, D., Siagian, J. H., & Gultom, P. (2023). Pengenalan Varietas Inbrida Padi Gogo (Inpago) Melalui Plot Percontohan Di Nagori Sigodang Barat Kecamatan Panei Kabupaten Simalungun. *Jurnal Pengabdian Masyarakat Sapangambe Manoktok Hitei*, 2(2), 1–11. <https://doi.org/10.36985/jpmsm.v2i2.505>

Puspitaningrum, H., & Salamah, A. (2021). Analisis Karakteristik Vegetatif Dari Empat Varietas Padi Dalam Perlakuan Cekaman Kekeringan. *Berita Biologi*, 20(1), 1–12.

Qin, Y. (2017). *Genome-Wide Identification and Expression Profiling of ATP-Binding Cassette (ABC) Transporter Gene Family in Pineapple (Ananas comosus (L .) Merr .) Reveal the Role of AcABCG38 in Pollen Development*. 8(December), 1–14. <https://doi.org/10.3389/fpls.2017.02150>

Razali, N. M., & Wah, Y. B. (2011). *Power comparisons of Shapiro-Wilk , Kolmogorov-Smirnov , Lilliefors and Anderson-Darling tests*. 2(1), 21–33.

Rio, D. C., Ares, M., Hannon, G. J., & Nilsen, T. W. (2010). Purification of RNA using TRIzol (TRI Reagent). *Cold Spring Harbor Protocols*, 5(6), 1–4. <https://doi.org/10.1101/pdb.prot5439>

Ruiz-villalba, A., Ruijter, J. M., & Hoff, M. J. B. Van Den. (2021). *Use and*

- Misuse of C_q in qPCR Data Analysis and Reporting*. 1–22.
- Sadhukhan, D., Mukherjee, T., Devi, N. D., & Bisarya, D. (2024). A Comprehensive Analysis of Drought Stress Responses in Rice (*Oryza sativa* L.): Insights into Developmental Stage Variations from Germination to Grain Filling. June. <https://doi.org/10.9734/ijecc/2024/v14i74260>
- Saepuloh, U., Pamungkas, J., & Sajuthi, D. (2013). Ekspresi Enzim Rekombinan Reverse Transcriptase (RT-RNase H) Simian Betaretrovirus Serotipe-2 Asal Macaca fascicularis Indonesia dalam Sistem Ekspresi Escherichia coli (Expression of Reverse Transcriptase (RT-RNase H) Recombinant Enzyme of Serotype-2 Simia. *Jurnal Ilmu Pertanian Indonesia (JIPI)*, Agustus, 18(2), 49–54.
- Santoso, T. J., Apriana, A., Sisharmini, A., & Trijatmiko, R. (2012). RESPON PADI TRANSGENIK CV . NIPPONBARE GENERASI T1 YANG MENGANDUNG GEN *Oryza sativa* DEHYDRATION-RESPONSE ELEMENT BINDING 1A (OsDREB1A) TERHADAP CEKAMAN SALINITAS * [Response of T1 Generation Transgenic Rice cv . Nipponbare Containing an *Oryza sativa* De. 11(2), 241–252.
- Schmittgen, T. D., & Livak, K. J. (2008). Analyzing real-time PCR data by the comparative CT method. *Nature Protocols*, 3(6), 1101–1108. <https://doi.org/10.1038/nprot.2008.73>
- Shahid, M. (2024). Molecular Dynamics of Plant Stress and its Management. In *Molecular Dynamics of Plant Stress and its Management*. <https://doi.org/10.1007/978-981-97-1699-9>
- Sinaga, E. (2010). Regulasi Ekspresi Gen. *Regulasi Ekspresi Gen*, 14–30. <http://repository.unas.ac.id/1546/1/Lamp. A33-Diktat-Biomol-Regulasi Ekspresi gen.pdf><http://repository.unas.ac.id/1546/1/Lamp. A33-Diktat-Biomol-Regulasi Ekspresi gen.pdf>
- Sircar, S., & Id, N. P. (2019). *Meta-analysis of drought-tolerant genotypes in Oryza sativa : A network-based approach*.
- Sunandar, Sutrisna, N., Diratmaja, A., Sinaga, A., & Ramdhaniati, S. (2015).

Deskripsi varietas unggul baru. 1–74.

- Susilawati, P. N., Tajima, R., Giamerti, Y., Yang, Y., Yufdy, M. P., Lubis, I., & Homma, K. (2022). Application of consecutive polyethylene glycol treatments for modeling the seminal root growth of rice under water stress. *Scientific Reports*, 12(1), 1–6. <https://doi.org/10.1038/s41598-022-06053-6>
- Suwarno, P. M., Wirnas, D., & Junaedi, D. A. (2016). Kendali Genetik Toleransi Kekeringan pada Padi Sawah (*Oryza sativa* L.). *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 44(2), 119. <https://doi.org/10.24831/jai.v44i2.13477>
- Tian, X. H., Li, X. P., Zhou, H. L., Zhang, J. S., Gong, Z. Z., & Chen, S. Y. (2005). OsDREB4 genes in rice encode AP2-containing proteins that bind specifically to the dehydration-responsive element. *Journal of Integrative Plant Biology*, 47(4), 467–476. <https://doi.org/10.1111/j.1744-7909.2005.00028.x>
- Turabelidze, A., Guo, S., & DiPietro, L. A. (2010). Importance of Housekeeping gene selection for accurate RT- qPCR in a wound healing model. *Wound Repair and Regeneration*, 18(5), 460–466. <https://doi.org/10.1111/j.1524-475X.2010.00611.x>
- Uga, Y., Agriculture, N., Ogawa, S., & Rane, J. (2013). *Control of root system architecture by DEEPER ROOTING 1 increases rice yield under drought conditions.* February 2021. <https://doi.org/10.1038/ng.2725>
- Velayati, M. A., Suharsono, S., & Miftahudin, M. (2023). Analisis Ekspresi Gen MmCu/Zn-SOD dan Ketahanan Tanaman Kentang Kultivar IPB CP3 Transgenik Terhadap Cekaman Herbisida Parakuat. *Al-Kauniyah: Jurnal Biologi*, 16(2), 376–385. <https://doi.org/10.15408/kauniyah.v16i2.27468>
- Vinet, L., & Zhedanov, A. (2011). A “missing” family of classical orthogonal polynomials. *Journal of Physics A: Mathematical and Theoretical*, 44(8), 1–14. <https://doi.org/10.1088/1751-8113/44/8/085201>

- Wahdah Raihani Langai Bambang F Ellya Hikmah. (2021). *Padi: Varietas Lokal Pasang Surut Kalimantan Selatan*. 1–166.
- Wulandari, A. S., & Mar'Atussholihah, D. M. (2022). Efek Praperlakuan Untuk Pematangan Dormansi Benih Ketapang Kencana (*Terminalia mantaly* H. Perrier). *Journal of Tropical Silviculture*, 13(03), 245–252. <https://doi.org/10.29244/j-siltrop.13.03.245-252>
- Yugi, A., & Tri, R. (2010). *Karakter Agronomis dan Fisiologis Padi Gogo yang ditanam pada Media Tanah Bersekam pada Kondisi Air di Bawah Kapasitas Lapang Agronomical and Physiological Characters of Upland Rice Grown in Soil- Rice Hull Media under Lower Field Capacity*. 13(1), 40–49.
- Zong, J., Li, X., Zhou, Y., Wang, F., Wang, N., & Dong, Y. (2016). *The AaDREB1 Transcription Factor from the Cold-Tolerant Plant Adonis amurensis Enhances Abiotic Stress Tolerance in Transgenic Plant*. <https://doi.org/10.3390/ijms17040611>