

DAFTAR PUSTAKA

- Adeyemo, O.S., P.T. Hyde, & T.L. Setter. 2019. Identification of FT family genes that respond to photoperiod, temperature and genotype in relation to flowering in cassava (*Manihot esculenta* Crantz). *Plant reproduction*, 32: 181-191.
- Amanda, U.D. & I.C. Cartealy. 2015. Isolasi RNA total dari mesokarp buah kelapa sawit (*Elaeis guineensis* Jacq. var. Tenera). *Seminar Nasional Masyarakat Biodiversitas Indonesia*, 1(2): 171-6.
- Asmoro, N. W. 2021. Karakteristik dan sifat tepung singkong termodifikasi (mocaf) dan manfaatnya pada produk pangan. *Journal of Food and Agricultural Product*, 1(1): 34-43.
- Bahri, S., & S. J. Santoso. 2014. Perbanyakan tanaman ubi kayu (*Manihot esculenta* Crantz) dengan jumlah mata tunas pada varietas molecular mechanisms. *Joglo*, 143(9): 1442–1451.
- Becker, A., & G. Theißen. 2003. The major clades of MADS-box genes and their role in the development and evolution of flowering plants. *Molecular Phylogenetics and Evolution*, 29(3): 464-489.
- Behnam, B., A. Higo, K. Yamaguchi, H. Tokunaga, Y. Utsumi, M.G. Selvaraj, M. Seki, M. Ishitani, L.A.B. Lopez-Lavalle, & H. Tsuji, 2021. Field-transcriptome analyses reveal developmental transitions during flowering in cassava (*Manihot esculenta* Crantz). *Plant Molecular Biology*, 106: 285-296.
- Beltrán, J., H. Jaimes, M. Echeverry, Y. Ladino, D. López, M.C. Duque, P. Chavarriaga, & J. Tohme. 2009. Quantitative analysis of transgenes in cassava plants using real-time PCR technology. *In Vitro Cellular & Developmental Biology-Plant*, 45: 48-56.
- Bisht, A., S. Bhalla, A. Kumar, J. Kaur, & N. Garg. 2021. Gene expression analysis for selection and validation of suitable housekeeping gene (s) in cadmium exposed pigeonpea plants inoculated with arbuscular mycorrhizae. *Plant Physiology and Biochemistry*, 162: 592-602.
- Cao, H. & J.M. Shockey. 2012. Comparison of TaqMan and SYBR Green qPCR methods for quantitative gene expression in tung tree tissues. *Journal of agricultural and food chemistry*, 60(50): 12296-12303.
- Čermáková, E., K. Zdeňková, K. Demnerová, & J. Ovesná. 2021. Comparison of methods to extract PCR-amplifiable DNA from fruit, herbal and black teas. *Czech Journal of Food Sciences*, 39(5): 410-417.
- Chaparro-Encinas, L.A., G.L. Arellano-Wattenbarger, F.I. Parra-Cota, & S. de Los Santos-Villalobos. 2020. A modified CTAB and Trizol® protocol for high-quality RNA extraction from whole wheat seedlings, including rhizosphere. *Cereal Research Communications*, 48: 275-282.
- Chen, Z., Y. Chen, L. Shi, L. Wang, & W. Li. 2023. Interaction of Phytohormones and External Environmental Factors in the Regulation of the Bud Dormancy in Woody Plants. *International Journal of Molecular Sciences*, 24(24): 1-16.

- Colasanti, J. & V. Sundaresan. 2000. 'Florigen' enters the molecular age: long-distance signals that cause plants to flower. *Trends in Biochemical Sciences*, 25(5): 236-240.
- De Almeida, R.F., G. Arévalo-Rodrigues, I.L. de Moraes, & P. Cardoso-Gustavson. 2023. Evolution of connective glands reveals a new synapomorphy for Malpighiaceae and the hidden potential of staminal glands for Malpighiales systematics. *PhytoKeys*, 232: 109-131.
- De Gonzalo-Calvo, D., M. Marchese, J. Hellemans, F. Betsou, N.L.S. Frisk, L.T. Dalgaard, P. Lakkisto, C. Foy, A. Scherer, M.L.G. Bermejo, & Y. Devaux. 2022. Consensus guidelines for the validation of qRT-PCR assays in clinical research by the CardioRNA consortium. *Molecular therapy-Methods & clinical development*, 24: 171-180.
- Denadi, N., M. Yolou, A.E. Dadonougbo, J. Zoundjihékpou, A. Dansi, C. Gandonou, & M. Quinet. 2022. Yam (*Dioscorea rotundata* Poir.) displays prezygotic and postzygotic barriers to prevent autogamy in monoecious cultivars. *Agronomy*, 12(4): 872-889.
- Desye, B., B. Belete, Z. Asfaw Gebrezgi, & T. Terefe Reda. 2021. Efficiency of treatment plant and drinking water quality assessment from source to household, gondar city, Northwest Ethiopia. *Journal of Environmental and Public Health*, pp.1-8.
- Echesi, S.A., F.S. Ire, & N.N. Odu. 2022. Optimization of Pectinase Production from *Bacillus subtilis* PSE-8 Using Cassava Peels as Substrate in Submerged Fermentation through Response Surface Methodology (RSM). *Journal of Advances in Microbiology*, 22(11): 55-66.
- Ekanayake, I.J., D.S.O. Osiru, & M.C.M. Porto. 1997. *Morphology of Cassava*. International Institute of Tropical Agriculture (IITA). Nigeria. pp. 3-30.
- Faatih, M. 2009. Isolasi dan digesti DNA kromosom. *Jurnal Penelitian Sains & Teknologi*, 10(1): 61-67.
- Fanardy, A. 2020. Tinjauan Nutrigenomik. *Cermin Dunia Kedokteran*, 47(2): 134-138.
- Guo, Y., G. Ren, K. Zhang, Z. Li, Y. Miao, & H. Guo. 2021. Leaf senescence: progression, regulation, and application. *Molecular Horticulture*, 1(5): 1-25.
- Harsita, P. A., & A. Amam. 2019. Analisis sikap konsumen terhadap atribut produk olahan singkong. *Agrisocionomics: Jurnal Sosial Ekonomi Pertanian*, 3(1): 19-27.
- Hasim, S. Falah, & L.K. Dewi. 2016. Effect of boiled cassava leaves (*Manihot esculenta* Crantz) on total phenolic, flavonoid and its antioxidant activity. *Current Biochemistry*, 3(3): 116-127.
- He, W., R. Xie, H. Li, Y. Wang, Q. Chen, Y. Lin, Y. Zhang, Y. Luo, Y. Zhang, H. Tang, & X. Wang. 2022. Evaluation of suitable qRT-PCR normalization genes for various citrus rootstocks. *Plant Biotechnology Reports*, 16(1): 101-111.
- Hu, M., W. Hu, Z. Xia, X. Zhou, & W. Wang. 2016. Validation of reference genes for relative quantitative gene expression studies in cassava (*Manihot*

- esculenta* Crantz) by using quantitative real-time PCR. *Frontiers in Plant Science*, 7(680): 1-12.
- Hwang, K., H. Susila, Z. Nasim, J.Y. Jung, & J.H. Ahn. 2019. Arabidopsis ABF3 and ABF4 transcription factors act with the NF-YC complex to regulate SOC1 expression and mediate drought-accelerated flowering. *Molecular Plant*, 12(4): 489-505.
- Immink, R.G., D. Posé, S. Ferrario, F. Ott, K. Kaufmann, F.L. Valentim, S. De Folter, F. Van der Wal, A.D. van Dijk, M. Schmid, & G.C. Angenent. 2012. Characterization of SOC1's central role in flowering by the identification of its upstream and downstream regulators. *Plant physiology*, 160(1): 433-449.
- Jiang, L., T. Fan, L. Wang, L. Zhang, & J. Xu. 2022. Divergence of flowering-related genes to control flowering in five Euphorbiaceae genomes. *Frontiers in Plant Science*, 13: 1-13
- Jungeun, L., & L. Ilha. 2010. Regulation and function of SOC1, a flowering pathway integrator. *Journal of experimental botany*, 61(9): 2247-2254.
- Keyser, E. D., L. Desmet, E. Van Bockstaele, & J. D. Riek. 2013. How to perform RT-qPCR accurately in plant species? A case study on flower colour gene expression in an azalea (*Rhododendron simsii* hybrids) mapping population. *BMC molecular biology*, 14: 1-15.
- Kuete, V. 2014. *Physical, Hematological, and Histopathological Signs of Toxicity Induced by African Medicinal Plants in Toxicological Survey of African Medicinal Plants*. Elsevier. Amsterdam. pp. 635-657.
- Lambebo, T. & T. Deme. 2022. Evaluation of Nutritional Potential and Effect of Processing on Improving Nutrient Content of Cassava (*Manihot esculenta* crantz) Root and Leaves. *BioRxiv*, pp. 1-39.
- Leelawijitkul, S., P. Kongsil, P. Kittipadakul, & P. Juntawong. 2022. Correlation between relative gene expression patterns of two flowering locus T (MeFT1 and MeFT2) in cassava leaf and flowering traits under different flowering induction conditions. *Pakistan Journal of Biological Sciences: PJBS*, 25(5): 369-379.
- Liu, C., H. Chen, H.L. Er, H.M. Soo, P.P. Kumar, J.H. Han, Y.C. Liou, & H., Yu. 2008. Direct interaction of AGL24 and SOC1 integrates flowering signals in Arabidopsis. *Development*, 135(8): 1481-1491.
- Livak K.J. & T.D. Schmittgen. 2001. Analysis of relative gene expression data using real-time quantitative PCR and the $2^{-\Delta\Delta CT}$ Method. *Methods*, 25(4): 402-408.
- Mattam, A.J., Y.B. Chaudhari, & H.R. Velankar. 2022. Factors regulating cellulolytic gene expression in filamentous fungi: an overview. *Microbial Cell Factories*, 21(1): 44-63.
- Minarsih, H., J. Pambudi, & R.A. Putranto. 2020. Analisis ko-ekspresi gen-gen regulasi upstream dari gen Dehydrin di tanaman tebu (*Saccharum officinarum* L.) pada kondisi cekaman kekeringan. *Menara Perkebunan*, 88(2): 141-150.

- Mosolygó, T., K. Laczi, G. Spengler, & K. Burián. 2022. A practical approach for quantitative polymerase chain reaction, the gold standard in microbiological diagnosis. *Sci*, 4(1): 4-14
- Mutiayani, M., Soeatmadji, & D. Wahono. 2014. Efek diet tinggi karbohidrat dan diet tinggi lemak terhadap kadar glukosa darah dan kepadatan sel beta. *Indonesian Journal of Human Nutrition*, 1(2): 106-113.
- Nizam, A., H. Kalath, & A. Kumar. 2023. A modified method for efficient RNA isolation from mangrove root tissues rich in secondary metabolites. *BioTechniques*, 74(6): 302-316.
- Oñate-Sánchez, L. & J., Vicente-Carbajosa. 2008. DNA-free RNA isolation protocols for *Arabidopsis thaliana*, including seeds and siliques. *BMC research notes*, 1(1): 1-7.
- Osnato, M., I. Cota, P. Nebhnani, U. Cereijo, & S. Pelaz. 2022. Photoperiod control of plant growth: flowering time genes beyond flowering. *Frontiers in plant science*, 12(805635): 1-20.
- Patra, S., D. Chatterjee, R. Dutta, & A. Mandal. 2024. Abiotic and biotic factors regulate the timing of floral induction: a review. *Physiologia Plantarum*, 176(1): 1-13.
- Paus, F., H. Abdullah, & A. Yusuf. 2023. Identification of amyllum characteristics using microscopic. *Journal of Health, Technology and Science (JHTS)*, 4(1): 1-10.
- Pusdatin (Pusat Data dan Informasi Pertanian). 2016. *Komoditas pertanian sub sektor tanaman pangan ubikayu*. Kementrian Pertanian. Jakarta. pp. 59.
- Putterill, J. & E. Varkonyi-Gasic. 2016. FT and florigen long-distance flowering control in plants. *Current Opinion in Plant Biology*, 33: 77-82.
- Rahayu, R.S., R. Poerwanto, D. Efendi, & W.D. Widodo. 2020. Durasi cekaman kekeringan yang tepat untuk induksi bunga jeruk keprok Madura. *J. Hort. Indonesia*, 11(2): 82-90.
- Rahmat, Z., M.N. Ling, H. Kulaveerasingam, S.S.R.S. Alwee, & M.O. Abdullah. 2013. Tissue Specific Localization Expression of *SOC1* Gene in Oil Palm. *Jurnal Teknologi*, 64(2): 11-14.
- Rahmawati, R., T.A. Siswoyo, D.P. Restanto, S. Hartatik, S. Soeparjono, & S. Avivi. 2017. Morphological and physiological characters of cassava (*Manihot esculenta* Crantz) which wet tolerant. *Towards The Extended Use of Basic Science for Enhancing*. Paper presented at 1st International Basic Science Conference, Jember University, Jember, 26-27 September (pp. 32-35).
- Restiani, R., D.I. Roslim, & Herman. 2017. Karakter morfologi ubi kayu (*Manihot esculenta* Crantz) hijau dari Kabupaten Pelalawan. *JOM FMIPA*, 1(2): 619-623.
- Reuben-Kalu, J.I., K. Eswaran, R. Muthurajan, U. Doraiswamy, B. Venkatasamy, & K.P. Shanmugam. 2023. Precise isolation of high-quality RNA from leaves and storage roots of cassava (*Manihot esculenta* Crantz) for gene expression studies. *Bulletin of the National Research Centre*, 47(1): 84-92.

- Rüscher, D., J.M. Corral, A.V. Carluccio, P.A. Klemens, A. Gisela, L. Stabolone, H.E. Neuhaus, F. Ludewig, U. Sonnewald, & W. Zierer. 2021. Auxin signaling and vascular cambium formation enable storage metabolism in cassava tuberous roots. *Journal of Experimental Botany*, 72(10): 3688-3703.
- Salcedo, A., C. Zambrana, & D. Siritunga. 2014. Comparative expression analysis of reference genes in field-grown cassava. *Tropical plant biology*, 7: 53-64.
- Sardi, A. 2022. Bioinformatics: Challenges in Integrating Biological Information. *Jurnal Biologi Tropis*, 22(4): 1297-1301.
- Sharma, M.K. 2023. How Plants Adapt to the Photoperiod. *Annual Research & Review in Biology*, 38(4): 17-45.
- Shi, Y., S. Zhang, Q. Gui, H. Qing, M. Li, C. Yi, H. Guo, H. Chen, J. Xu, & F. Ding. 2024. The SOC1 gene plays an important role in regulating litchi flowering time. *Genomics*, 116(2): 1-9.
- Su'udi, M., A.N. Puspito, S. Arimurti, L.M. Hasanah, & A.Y. Arum. 2022. Karakterisasi Molekuler Gen HAP3 pada Tanaman Ubi Kayu (*Manihot esculenta* Crantz). *Indonesian Journal of Biotechnology and Biodiversity*, 6(2): 68-76.
- Susila, H. & Y.A. Purwestri. 2023. PEBP signaling network in tubers and tuberous root crops. *Plants*, 12(2): 264-279.
- Tsuji, H. 2017. Molecular function of florigen. *Breeding science*, 67(4): 327-332.
- Utami, I.N., Y. Nurchayati, & E.D. Hastuti. 2019. Produksi dan profil metabolit bunga krisan (*Chrysanthemum* sp.) pada intensitas cahaya lampu LED dengan durasi yang berbeda. *Bioma: Berkala Ilmiah Biologi*, 21(2): 154-164.
- Villamayor-Jr., F. G. 1987. Ecological and cultur requirements of cassava. *Philippine Root Crops Information Service*, 2(1): 1-4.
- Waluyo, T. 2020. Pemanfaatan hormon tumbuh organik untuk meningkatkan produktivitas singkong hasil eksplorasi seleksi bibit unggul. *Jurnal Ilmu dan Budaya*, 41(70): 8207-8217.
- Widiarti, W., I. Wijaya, & I. Umarie. 2017. Optimization Of Production Technology True Shallot Seed (Biological Seeds) Onion (*Allium ascalonicum* L). *Agrotrop: Jurnal Ilmu-Ilmu Pertanian (Journal of Agricultural Science)*, 15(2): 203-216.
- Wilfinger, W.W., K. Mackey, & P. Chomczynski. 1997. Effect of pH and ionic strength on the spectrophotometric assessment of nucleic acid purity. *Biotechniques*, 22(3): 474-481.
- Womsiwor, O. O. O., N. Nurmaini, A. Zikri, H. Hendra, A. Amrizal, Y. Yudistira, & F. Y. Batubara. 2018. Rancang bangun mesin pengupas dan pencuci singkong tipe horizontal. *Journal of Applied Agricultural Science and Technology*, 2(2): 11-19.
- Wulandari, D.A.R., S. Hartatik, & K. Hariyono. 2021. Upaya awal meningkatkan nilai ekonomi kolesom Jawa melalui teknik budidaya stek batang. *CARADDE: Jurnal Pengabdian Kepada Masyarakat*, 4(1): 96-103.

- Xu, W., Y. Dong, Y. Yu, Y. Xing, X. Li, X. Zhang, X. Hou, & X. Sun. 2020. Identification and evaluation of reliable reference genes for quantitative real-time PCR analysis in tea plants under differential biotic stresses. *Scientific Reports*, 10(1): 2429-2443.
- You, S., K. Cao, C. Chen, Y. Li, J. Wu, G. Zhu, W. Fang, X. Wang, & L. Wang. 2021. Selection and validation reference genes for qRT-PCR normalization in different cultivars during fruit ripening and softening of peach (*Prunus persica*). *Scientific Reports*, 11(1): 7302-7314.
- Zannou, I.D., R. Hanna, G.J. de Moraes, S. Kreiter, G. Phiri, & A. Jone. 2014. Mites of cassava (*Manihot esculenta* Crantz) habitats in Southern. *International Journal of Acaroogy*, 31(2): 149-164.
- Zulaekah, R.S., U. Siswanto, & M. Astiningrum. 2021. Efisiensi penggunaan bahan tanam dan limbah cucian beras untuk perbaikan teknik budidaya ubi kayu. *Seminar Nasional Fakultas Pertanian UNS*, 5(1): 438-445.