DAFTAR PUSTAKA

(ISTA), International Sedd Testing Association. (2021). *Rules Proposals for the International Rules for Seed Testing 2021 Edition*.

Ali, H. M., Khan, T., Khan, M. A., & Ullah, N. (2022). The Multipotent Thidiazuron: A Mechanistic Overview of Its Roles in Callogenesis and Other Plant Cultures In Vitro. *Biotechnology and Applied Biochemistry*, *69*(6), 2624–2640. https://doi.org/10.1002/bab.2311

Allatifa, M. (2024). *Induksi Mutasi Menggunakan Sinar Ultraviolet C untuk Mendapatkan Kedelai Toleran Kekeringan*. Universitas Andalas.

Almeida, J. A. S. de. (2020). Observations on Somatic Embryogenesis in *Coffea arabica* L. In *Coffee - Production and Research*. IntechOpen. https://doi.org/10.5772/intechopen.90853

Andres, S. E., Lieurance, P. E., Mills, C. H., Tetu, S. G., & Gallagher, R. V. (2024). Morphological Seed Traits Predict Early Performance of Native Species to Pelletized Seed Enhancement Technologies. *Plants*, *13*(16), 2256. https://doi.org/10.3390/plants13162256

Ariati, S. N., Waeniati, Muslimin, & Suwastika, I. N. (2012). Induksi Kalus Tanaman Kakao (*Theobroma cacao* L.) pada Media MS dengan Penambahan 2,4-D , BAP dan Air Kelapa. *Jurnal Natural Science*, *1*(1), 74–84.

Arieswari, N. N. N., Astarini, I. A., Astiti, N. P. A., & Pramana, J. (2018). In Vitro Callus Induction of 'Shiraz' Grape (*Vitis vinifera* L.) Using Different Medium and Growth Regulator Combination. *International Journal of Biosciences and Biotechnology*, *6*(1), 25. https://doi.org/10.24843/ijbb.2018.v06.i01.p04

Arli, N. M., Noli, Z. A., & Idris, M. (2023). The Application of Plant Growth Regulators in Propagation of Dendrobium Orchid with Thin Cell Layer (TCL) Technique: A Review. *International Journal of Progressive Sciences and Technologies*, *39*(2), 416. https://doi.org/10.52155/ijpsat.v39.2.5505

Bareke, T. (2018). Biology of Seed Development and Germination Physiology. *Advances in Plants & Agriculture Research*, *8*(4), 335–346. https://doi.org/10.15406/apar.2018.08.00335

Basumatary, B., Gokhale, M., Das, H. K., & Faraz, R. (2024). Histological and Microscopic study in plant tissue culture : A Review. *International Journal of Advanced Research in Biological Sciences*, *11*(12), 1–18. https://doi.org/10.22192/ijarbs

Bidabadi, S. S., & Jain, S. M. (2020). Cellular, Molecular, and Physiological Aspects of In Vitro Plant Regeneration. *Plants*, *9*(6), 10–13.

BPTP, Balai Pengkajian Teknologi Pertanian Sumatera Barat. (2020). *Laporan Akuntabilitas Kinerja Instansi Pemerintah Tahun 2020*.

Budiman, C., Wirianto, H. A., & Suhartanto, R. (2024). Uji Vigor Benih Cabai (*Capsicum* sp) dengan Metode Radicle Emergence Menggunakan Analisis Citra Digital. *Buletin Agrohorti*, *12*(1), 142–153. https://doi.org/10.29244/agrob.v12i1.51533

Calista, I., Mikasari, W., Puspitasari, M., & Iksimilda, S. (2022). Peningkatan Pengetahuan Petani terhadap Teknologi Budidaya Pemurnian Padi Varietas Lokal. *Buletin Agritek*, *3*(2), 39–47.

Castro, A. H. F., Braga, K. de Q., Sousa, F. M. de, Coimbra, M. C., & Chagas, R. C. R. (2016). Callus Induction and Bioactive Phenolic Compounds Production from *Byrsonima verbascifolia* (L.). *Revista Ciência Agronomica*, *47*(1). https://doi.org/10.5935/1806-6690.20160017

Chen, L., Sun, B., Xu, L., & Liu, W. (2016). Wound Signaling : The Missing Link in Plant Regeneration. *Plant Signaling & Behavior*, *11*(10), 1–3. https://doi.org/10.1080/15592324.2016.1238548

Chiou, K. L., & Hastorf, C. A. (2014). A Systematic Approach to Species–Level Identification of Chile Pepper (*Capsicum* spp.) Seeds: Establishing the Groundwork for Tracking the Domestication and Movement of Chile Peppers through the Americas and Beyond. *Economic Botany*, *68*(3), 316–336. https://doi.org/10.1007/s12231-014-9279-2

Cortleven, A., Marg, I., Yamburenko, M. V, Schlicke, H., Hill, K., Grimm, B., Schaller, G. E., & Schmülling, T. (2016). Cytokinin Regulates the Etioplast-Chloroplast Transition through the Two-Component Signaling System and Activation of Chloroplast-Related Genes. *Plant Physiology*, *172*(1), 464–478. https://doi.org/10.1104/pp.16.00640

Ding, L.-N., Li, Y.-T., Wu, Y.-Z., Li, T., Geng, R., Cao, J., Zhang, W., & Tan, X.-L. (2022). Plant Disease Resistance-Related Signaling Pathways: Recent Progress and Future Prospects. *International Journal of Molecular Sciences*, *23*(24), 16200. https://doi.org/10.3390/ijms232416200

Emeliya, E., Rahayu, T., Jayanti, G. E., & Agisimanto, D. (2024). Uji Beberapa Jenis Sitokinin terhadap Pertumbuhan Protocorm Like Body (PLB) Anggrek (*Dendrobium* sp.) pada Media MS dalam Bentuk Thin Liquid Film. *Buletin Anatomi Dan Fisiologi*, *9*(1), 29–38.https://doi.org/10.14710/baf.9.1.2024.29-38

FAO, Food and Agriculture Organization. (2024). *Crops and Livestock Products*. FAOSTAT. https://www.fao.org/faostat/en/#data/QCL

Farida, F. I., & Muslihatin, W. (2017).Induksi Perakaran Teh (*Camellia sinensis* L) Secara in Vitro pada Klon yang Berbeda. *Jurnal Sains Dan Seni ITS*, *6*(2), 74–78.

Fehér, A. (2019). Callus, Dedifferentiation, Totipotency, Somatic Embryogenesis: What These Terms Mean in the Era of Molecular Plant Biology? *Frontiers in Plant Science*, *10*. https://doi.org/10.3389/fpls.2019.00536

Gomes, G. L. B., & Scortecci, K. C. (2021). Auxin and Its Role in Plant Development: Structure, Signalling, Regulation and Response Mechanisms. *Plant Biology*, *23*(6), 894–904. https://doi.org/10.1111/plb.13303

Hailu, T., Abera, B., & Daksa, J. (2015). In Vitro Direct Organogenesis Protocol for Mass Propagation of an Elite Ethiopian Hot Pepper (*Capsicum annuum* L.) Cultivar: Mareko Fana. *American Journal of Plant Sciences*, *06*(09), 1435–1443. https://doi.org/10.4236/ajps.2015.69143

Han, K. Y., Hong, E. C., Lynn, C. ., & Subramaniam, S. (2020). Scanning Electron Microscopy and Histological Analyses of *Ficus carica* L. cv. Black Jack. *International Journal of Agricultural Technology*, *16*(2016), 1101–1112.

Haque, M. I., Singh, P. K., Ghuge, S., Kumar, A., Chandra Rai, A., Kumar, A., & Modi, A. (2022). A General Introduction to and Background of Plant Tissue Culture: Past, Current, And Future Aspects. In *Advances in Plant Tissue Culture* (pp. 1–30). Elsevier. https://doi.org/10.1016/B978-0-323-90795-8.00019-9

Hernández-Amasifuen, A. D., Pineda-Lázaro, A. J., Maicelo-Quintana, J. L., & Guerrero-Abad, J. C. (2024). In Vitro Shoot Regeneration and Multiplication of Peruvian Rocoto Chili Pepper (*Capsicum pubescens* Ruiz & Pav). *International Jpurnal of Plant Biology*, *15*, 979–987.

Hill, K., & Schaller, G. E. (2013). Enhancing Plant Regeneration in Tissue Culture. *Plant Signaling & Behavior*, *8*(10), e25709. https://doi.org/10.4161/psb.25709

Horstman, A., Bemer, M., & Boutilier, K. (2017). A Transcriptional View on Somatic Embryogenesis. *Regeneration*, *4*(4), 201–216. https://doi.org/10.1002/reg2.91

Hussain, A., Ahmed, I., Nazir, H., & Ullah, I. (2012). Plant Tissue Culture: Current Status and Opportunities. In *Recent Advances in Plant in vitro Culture*. InTech. https://doi.org/10.5772/50568

Hwang, I., Sheen, J., & Müller, B. (2012). Cytokinin Signaling Networks. *Annual Review of Plant Biology*, *63*(1), 353–380. https://doi.org/10.1146/annurev-arplant-042811-105503

Ikeuchi, M., Iwase, A., Rymen, B., Lambolez, A., Kojima, M., Takebayashi, Y., Heyman, J., Watanabe, S., Seo, M., De Veylder, L., Sakakibara, H., & Sugimoto, K. (2017). Wounding Triggers Callus Formation via Dynamic Hormonal and Transcriptional Changes. *Plant Physiology*, *175*(3), 1158–1174. https://doi.org/10.1104/pp.17.01035

Ikeuchi, M., Sugimoto, K., & Iwase, A. (2013). Plant Callus: Mechanisms of Induction and Repression. *The Plant Cell*, *25*(9), 3159–3173. https://doi.org/10.1105/tpc.113.116053

Integrated Taxonomic Information System, (ITIS). (2025). *Capsicum annuum L. - Taxonomic Hierarchy*. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=30492#null

İzgü, T., İlbi, H., & Mendi, Y. Y. (2020). Optimization of Plant Regeneration in Different Pepper (*Capsicum annuum* L.) Lines. *Turkish Journal of Agriculture - Food Science and Technology*, *8*(2), 471–477. https://doi.org/10.24925/turjaf.v8i2.471-477.3207

Jamil, M., Saher, A., Javed, S., Farooq, Q., Shakir, M., Zafar, T., Komal, L., Hussain, K., Shabir, A., Javed, A., & Huzafa, M. (2021). A Review on Potential Role of Auxins in Plants, Current Applications and Future Directions. *Journal of Biodiversity and Environmental Sciences JBES*, *18*(1), 11–16. http://www.innspub.net

Jannah, N. R., Hidayat, M., & Hendri, Y. (2022). Pengaruh Kombinasi BAP (*Benzylamino purin*) dan TDZ (*Thidiazuron*) terhadap Pertumbuhan Tanaman Pisang Cavendish (*Musa acuminata cavendish*) melalui Kultur In-Vitro. *KENANGA Journal of Biological Sciences and Applied Biology*, *1*(2), 28–34. https://doi.org/10.22373/kenanga.v1i2.1915

Jimenez, V. M. (2001). Regulation of in Vitro Somatic Embryogenesis with Emphasis on to The Role of Endogenous Hormones. *Revista Brasileira de Fisiologia Vegetal*, *13*(2), 196–223. https://doi.org/10.1590/S0103-31312001000200008

Junairiah, Zuraidassanaaz, N. I., Izdihar, F. N., & Manuhara, Y. S. W. (2017). Callus Induction of Leaf Explant *Piper betle* L. Var Nigra with Combination of Plant Growth Regulators Indole-3-Acetic Acid (IAA), Benzyl Amino Purin (BAP) and Kinetin. *AIP Conference Proceedings*, 020028. https://doi.org/10.1063/1.5004305

Kementerian Pertanian. (2024). *Analisis Kinerja Perdagangan Cabai Merah*. Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian.

Kou, X., Zhao, X., Wu, B., Wang, C., Wu, C., Yang, S., Zhou, J., & Xue, Z. (2022). Auxin Response Factors Are Ubiquitous in Plant Growth and Development, and Involved in Crosstalk between Plant Hormones: A Review. *Applied Sciences*, *12*(3), 1360. https://doi.org/10.3390/app12031360

Kruglova, N. N., Titova, G., & Seldimirova, O. (2018). Callusogenesis as an in vitro Morphogenesis Pathway in Cereals. *Russian Journal of Developmental Biology*, *49*(5), 245–259. https://doi.org/10.1134/S106236041805003X

Kruglova, N., Zinatullina, A., & Yegorova, N. (2023). Histological Approach to the Study of Morphogenesis in Callus Cultures In Vitro: A Review. *International Journal of Plant Biology*, *14*(2), 533–545. https://doi.org/10.3390/ijpb14020042

Kumar, G. P., Subiramani, S., Govindarajan, S., Sadasivam, V., Manickam, V., Mogilicherla, K., Thiruppathi, S. K., & Narayanasamy, J. (2015). Evaluation of Different Carbon Sources for High Frequency Callus Culture with Reduced Phenolic Secretion in Cotton (*Gossypium hirsutum* L.) cv. SVPR-2. *Biotechnology Reports*, *7*, 72–80. https://doi.org/10.1016/j.btre.2015.05.005

Kumar, R. V., Sharma, V. K., Chattopadhyay, B., & Chakraborty, S. (2012). An Improved Plant Regeneration and Agrobacterium - Mediated Transformation of Red Pepper (*Capsicum annuum* L.). *Physiology and Molecular Biology of Plants : An International Journal of Functional Plant Biology*, *18*(4), 357–364. https://doi.org/10.1007/s12298-012-0132-8

Kusandriani, Y., & Muharam, A. (2005). *Produksi Benih Cabai* (pertama). Balai Penelitian Tanaman Sayuran.

Larriba, E., Sánchez-García, A. B., Martínez-Andújar, C., Albacete, A., & Pérez-Pérez, J. M. (2021). Tissue-Specific Metabolic Reprogramming during Wound-Induced Organ Formation in Tomato Hypocotyl Explants. *International Journal of Molecular Sciences*, *22*(18), 10112.https://doi.org/10.3390/ijms221810112

Lee, M. H., Lee, J., Jie, E. Y., Choi, S. H., Jiang, L., Ahn, W. S., Kim, C. Y., & Kim, S. W. (2020). Temporal and Spatial Expression Analysis of Shoot-Regeneration Regulatory Genes during the Adventitious Shoot Formation in Hypocotyl and Cotyledon Explants of Tomato (CV. Micro-Tom). *International Journal of Molecular Sciences*, *21*(15), 5309. https://doi.org/10.3390/ijms21155309

Lembaga Penyelidikan Ekonomi dan Masyarakat Fakultas Ekonomi Bisnis Universitas Indonesia, (LPEM FEB UI). (2023). *Seri Analisis Makroekonomi : Inflasi Bulanan Maret 2023*.

Li, X., Mushtaq, N., Xing, N., Wu, S., Liu, J., & Wang, Z. (2024). Efficient In Vitro Regeneration System and Comparative Transcriptome Analysis Offer Insight into the Early Development Characteristics of Explants from Cotyledon with Partial Petiole in Small-Fruited Pepper (*Capsicum annuum*). *International Journal of Molecular Sciences*, *25*(14), 7547. https://doi.org/10.3390/ijms25147547

Mahadi, I., Syafi'i, W., & Sari, Y. (2016). Callus Induction of Calamansi (*Citrus microcarpa*) Using 2,4-D and BAP Hormones by in vitro Methods. *Jurnal Ilmu Pertanian Indonesia*, *21*(2), 84–89. https://doi.org/10.18343/jipi.21.2.84

Majumdar, A., Sharma, A., & Belludi, R. (2023). Natural and Engineered Resistance Mechanisms in Plants against Phytoviruses. *Pathogens*, *12*(4), 619. https://doi.org/10.3390/pathogens12040619

Mandal, S. K., Rath, S. K., Logesh, R., Mishra, S. K., Devkota, H. P., & Das, N. (2023). *Capsicum annuum* L. and Its Bioactive Constituents: A Critical Review of A Traditional Culinary Spice in Terms of Its Modern Pharmacological Potentials with Toxicological Issues. *Phytotherapy Research*, *37*(3), 965–1002. https://doi.org/10.1002/ptr.7660

Manzila, I., Hidayat, S. H., Mariska, I., & Sujiprihati, S. (2010). Induksi Kalus serta Regenerasi Tunas dan Akar Cabai melalui Kultur In Vitro. *Jurnal AgroBiogen*, *6*(2), 65–74. https://doi.org/10.21082/jbio.v6n2.2010.p65-74

Muthi'ah, A., Sakya, A. T., Setyawati, A., Samanhudi, & Rahayu, M. (2023). Callus induction of *Calotropis gigantea* using BAP and 2,4-D in vitro. *IOP Conference Series: Earth and Environmental Science*, *1177*(1), 012021. https://doi.org/10.1088/1755-1315/1177/1/012021

Noor, W., Lone, R., Kamili, A. N., & Husaini, A. M. (2022). Callus Induction and Regeneration in High-Altitude Himalayan Rice Genotype SR4 Via Seed Explant. *Biotechnology Reports*, *36*, e00762. https://doi.org/10.1016/j.btre.2022.e00762

Pardede, Y., Mursyanti, E., & Sidharta, B. R. (2021). Pengaruh Hormon terhadap Induksi Embrio Somatik Kacapiring (*Gardenia jasminoides*) dan Potensi Aplikasinya dalam Pembuatan Benih Sintetik. *Biota : Jurnal Ilmiah Ilmu-Ilmu Hayati*, 162–177. https://doi.org/10.24002/biota.v6i3.4093

Pasternak, T. P., & Steinmacher, D. (2024). Plant Growth Regulation in Cell and Tissue Culture In Vitro. *Plants*, *13*(2), 327. https://doi.org/10.3390/plants13020327

Permadi, N., Akbari, S. I., Prismantoro, D., Indriyani, N. N., Nurzaman, M., Alhasnawi, A. N., Doni, F., & Julaeha, E. (2024). Traditional and Next-Generation Methods for Browning Control in Plant Tissue Culture: Current Insights and Future Directions. *Current Plant Biology*, *38*, 100339. https://doi.org/10.1016/j.cpb.2024.100339

Pinto, M. de S., Abeyratne, C. R., Benedito, V. A., & Peres, L. E. P. (2017). Genetic and Physiological Characterization of Three Natural Allelic Variations Affecting The Organogenic Capacity in Tomato (*Solanum lycopersicum* cv. Micro-Tom). *Plant Cell, Tissue and Organ Culture (PCTOC)*, *129*(1), 89–103. https://doi.org/10.1007/s11240-016-1159-2

Pishbin, N., Mousavi, A., Kalatejari, S., Mehran, S., & Jahromi, B. B. (2014). The Effect of Plant Growth Regulators and Different Types of Explants on In Vitro Regeneration of Sweet Pepper (*Capsicum annuum* L.). *International Journal of Biosciences (IJB)*, *5*(5), 139–146. https://doi.org/10.12692/ijb/5.5.139-146

Rasud, Y., & Bustaman, B. (2020). In Vitro Callus Induction from Clove (*Syzigium aromaticum* L.) Leaves on Medium Containing Various Auxin Concentrations. *Jurnal Ilmu Pertanian Indonesia*, *25*(1), 67–72. https://doi.org/10.18343/jipi.25.1.67

Renfiyeni. (2015). *Studi Regenerasi In Vitro dan Transformasi Genetik Gen Coat Protein dan Beta Component Geminivirus melalui Agrobacterium tumafaciens pada Tiga Genotipe Cabai Merah (Capsicum annuum L.)*. Universitas Andalas.

Renfiyeni, Syukriani, L., Asben, A., & Jamsari, J. (2017). Optimal Media for In-Vitro Regeneration of Two Local Genotypes of Chili Pepper (*Capsicum annuum* L.) from West Sumatera. *International Journal on Advanced Science, Engineering and Information Technology*, *7*(3), 904–909. https://doi.org/10.18517/ijaseit.7.3.1003

Renfiyeni, Yusniwati, Trsino, J., & Jamsari. (2015). Calli Induction of Some Chili Pepper (*Capsicum annuum* L.) Genotypes as Material for Genetic Transformastion. *International Journal of Agricultural Sciences*, *1*(1), 75–80. https://doi.org/10.25077/ijasc.1.1.75-80.2015

Sartika, Ali, M., & Elfina, Y. (2017). Dosis Biofungisida Berbahan Aktif Trichoderma Koningii Rifai terhadap Penyakit Virus Kompleks, Pertumbuhan dan Produksi Cabai Merah (*Capsicum annuum* L.). *Neliti.Com*, *4*(1), 1–8. https://www.neliti.com/publications/199124/uji-beberapa-dosis-biofungisida-berbahan-aktif-trichoderma-koningii-rifai-terhad

Shams, S., Naeem, B., Ma, L., Li, R., Zhang, Z., Cao, Y., Yu, H., Feng, X., Qiu, Y., Wu, H., & Wang, L. (2024). Developing an Optimized Protocol for Regeneration and Transformation in Pepper. *Genes*, *15*(8), 1018. https://doi.org/10.3390/genes15081018

Shreya, S., A., K., D.Surendra, C., & Eapen, P. K. (2014). Direct Regeneration Protocols of Five *Capsicum annuum* L. Varieties. *African Journal of Biotechnology*, *13*(2), 307–312. https://doi.org/10.5897/AJB2013.12592

Sihotang, S., Renfiyeni, Suliansyah, I., & Jamsari, A. (2019). Induksi Kalus dengan BAP (*Benzylaminopurin*) dan IAA (*Indoleacetic acid*) pada Tanaman Cabai (*Capsicum annuum* L.) Lokal Genotipe Lotanbar Sumatera Barat. *Agrotekma*, *3*(2), 67–74.

Silvina, F., & Ningsih, W. (2021). *Induksi Kalus Daun Binahong Merah (Basella rubra L .) dengan Pemberian 2,4-D dan Kinetin*. *8*(2), 274–285.

Singh, A. S., Jones, A. M. P., Shukla, M. R., & Saxena, P. K. (2017). High Light Intensity Stress as The Limiting Factor in Micropropagation of Sugar Maple (*Acer saccharum* Marsh.). *Plant Cell, Tissue and Organ Culture (PCTOC)*, *129*(2), 209–221. https://doi.org/10.1007/s11240-017-1170-2

Skoog, F., & Miller, C. O. (1957). Chemical Regulation of Growth and Organ Formation in Plant Tissues Cultured in Vitro. *Symposia of the Society for Experimental Biology*, *11*, 118–130. http://www.ncbi.nlm.nih.gov/pubmed/13486467

Smith, M. K., & Drew, R. A. (1990). Current Applications of Tissue Culture in Plant Propagation and Improvement. *Australian Journal of Plant Physiology*, *17*(3), 267–289. https://doi.org/10.1071/PP9900267

Sukada, I. W., Sudana, I. M., Nyana, I. dewa N., Suastika, G., & SIadi, K. (2014). Pengaruh Infeksi Beberapa Jenis Virus terhadap Penurunan Hasil pada Tanaman Cabai Rawit (*Capsicum frutescens* L.). *Jurnal Agroteknologi*, *3*(3), 158–165. http://ojs.unud.ac.id/index.php/JAT

Talitha, O., Sakya, A., Hartati, S., Samanhudi, Rahayu, M., & Setyawati, A. (2023). Application of BAP and IBA for In Vitro Callus Formation of Biduri (*Calotropis gigantea*). *IOP Conference Series: Earth and Environmental Science*, *1246*(1), 012012. https://doi.org/10.1088/1755-1315/1246/1/012012

Tarigan, S. D. S., Astarini, I. A., & Astiti, N. P. A. (2023). Inisiasi Kalus Bangle (*Zingiber purpureum* Roscoe) pada Beberapa Kombinasi 2.4-D dan Kinetin. *Jurnal Hortikultura Indonesia*, *14*(2), 93–99.

Ulva, M., Nurchayati, Y., Prihastanti, E., & Setiari, N. (2019). Pertumbuhan Kalus Tomat (*Lycopersicon esculentum* Mill.) Varietas Permata F1 dari Jenis Eksplan dan Konsentrasi Sukrosa yang Berbeda secara In Vitro. *Life Science*, *8*(2), 160–169. http://journal.unnes.ac.id/sju/index.php/LifeSci

Undang, Arridho, S., Qadir, A., & Rosyad, A. (2023). Pengembangan Metode Uji Vigor Benih Cabai Merah (*Capsicum annuum* L.) pada Beberapa Potensial Air. *Jurnal Agronida*, *8*(2), 50–59. https://doi.org/10.30997/jag.v8i2.6392

Verma, S., Dhiman, K., & Srivastava, D. K. (2013). Efficient in Vitro Regeneration From Cotyledon Explants in Bell Pepper (*Capsicum annuum* L . Cv . California Wonder). *International Journal of Advanced Biotechnology and Research*, *4*(3), 391–396.

Walangadi, F. R., Ahmad, J., Pagalla, D. B., Kandowangko, N. Y., & Febriyanti, F. (2025). Effect of BAP and NAA on Callus Emergence Time of Dumbaya Young Leaf Explants In Vitro. *Jurnal Biologi Tropis*, *25*(2), 1903–1911. https://doi.org/10.29303/jbt.v25i2.9045

Wijaya, C. H., Harda, M., & Rana, B. (2020). Diversity and Potency of *Capsicum* spp. Grown in Indonesia. In *Capsicum*. IntechOpen. https://doi.org/10.5772/intechopen.92991

Wirakusuma, K. T., Purwito, A., Husni, A., & Kosmiatin, M. (2023). *Perkecambahan dan Pertumbuhan in Vitro Jeruk Nipis (Citrus aurantiifolia)*. *14*(200), 1–8.

Wu, W., Du, K., Kang, X., & Wei, H. (2021). The Diverse Roles of Cytokinins In Regulating Leaf Development. *Horticulture Research*, *8*(1), 118. https://doi.org/10.1038/s41438-021-00558-3

Yamamoto, S., Djawarningsih, T., & Wiriadinata, H. (2013). *Capsicum pubescens* (Solanaceae) in Indonesia: Its History, Taxonomy, and Distribution. *Economic Botany*, *67*(2), 161–170.

Yaroshko, O., Pasternak, T., Larriba, E., & Pérez-Pérez, J. M. (2023). Optimization of Callus Induction and Shoot Regeneration from Tomato Cotyledon Explants. *Plants*, *12*(16), 2942. https://doi.org/10.3390/plants12162942

Yelnititis, Y. (2020). Induksi Kalus Embriogenik dan Embrio Somatik dari Eksplan Daun Kulim (*Scorodacarpus borneensis* Becc.). *Jurnal Pemuliaan Tanaman Hutan*, *14*(2), 73–81. https://doi.org/10.20886/jpth.2020.14.2.73-81

Yunita, R., Bagus, F. R. M., Nova, B., & Jamsari, J. (2021). Optimization of growth regulators to induce callus in chili [*Capsicum annuum*] cv. Berangkai. *IOP Conf. Series: Earth and Environmental Science*, *741*, 1–6. https://doi.org/10.1088/1755-1315/741/1/012047

Yusniwati. (2008). *Galur Cabai Transgenik Toleran Kekeringan dengan Gen P5CS Penyandi Enzim Kunci Biosintesis Prolina : Regenerasi dan Karakterisasi Regeneran*. Institut Pertanian Bogor.