

DAFTAR PUSTAKA

- Ahmad, N., & Faisal, M. (2018). Thidiazuron: From urea-derivative cytokinin to plant morphogenetic regulator. *Industrial Crops and Products*, 124, 491-505.
- Akatwijuka, O., Gepreel, M. A. H., Abdel-Mawgood, A., Yamamoto, M., Saito, Y., & Hassanin, A. H. (2022). Overview of banana cellulosic fibers: Agro-biomass potential, fiber extraction, properties, and sustainable applications. *Biomass Conversion and Biorefinery*, 1-17.
- Al-Jalilawi, M., dkk. (2023). Multiplikasi tunas temu putih (*Curcuma zedoaria*) secara in vitro dengan beberapa konsentrasi zat pengatur tumbuh thidiazuron. *Agronomika*.
- Amani, M., & Avagyan, G. (2014). First report of banana Septoria leaf spot disease caused by *Septoria eumusae* in Iran. *ResearchGate*.
- Ashar, J. R., Farhanah, A., Hamzah, P., Ismayanti, R., Tahuteru, S., Yusuf, R., Yulianti, R., & Mardaleni. (2023). *Pengantar Kultur Jaringan Tanaman*. Bandung: Widina Media Utama.
- Ashokkumar, K., Elayabalan, S., Shobana, V. G., Sivakumar, P., & Pandiyan, M. (2018). Nutritional value of cultivars of banana (*Musa spp.*) and its future prospects. *Journal of Pharmacognosy and Phytochemistry*, 7(3), 2972-2977.
- Avivi, S., & Ikrarwati. (2004). Mikropropagasi Pisang Abaca (*Musa textillis*) Melalui Teknik Kultur Jaringan. *Ilmu Pertanian*, 11(2), 27-34.
- Badan Pusat Statistik (BPS). (2021). *Statistik Indonesia 2020*. Jakarta: BPS Indonesia.
- Bairwa, S., & Mishra. (2017). Effect of NAA, BA and Kinetin on Yield of African Marigold (*Tagetes erecta* Linn.). *International Journal of Current Microbiology and Applied Sciences*, 6(6), 1236-1241.
- Bakar, M., Mamdang, J., Kojoh, D., & Demmasabu, S. (2016). Penggunaan BAP dan Kinetin pada Induksi Tunas dari Protocorm Anggrek *Dendrobium* (*Dendrobium Sp.*) pada Kultur In vitro. *Cocos*, 7(7).
- Basri, A. H. H. (2016). Kajian Pemanfaatan Kultur Jaringan Dalam Perbanyakan Tanaman Bebas Virus. *Agruica Ekstensia*, 10(1), 64-73.
- Budi, R. S. (2020). Uji Komposisi Zat Pengatur Tumbuh Terhadap Pertumbuhan Eksplan Pisang Barangan (*Musa Paradisiaca* L.) Pada Media MS Secara In vitro. *BEST Journal (Biology Education, Sains and Technology)*, 3(1), 101-111.
- Calberto, G. G., Staver, C., & Siles, P. (2015). An assessment of global banana production and sustainability under climate change scenarios. In A.

- Elbehri (Eds.), *Climate Change and Food Systems: Global Assessments and Implications for Food Security and Trade*. Roma: FAO.
- Carlier, J., Zapater, M., Lapeyre, F., Jones, D. R., & Mourichon, X. (2000). Septoria Leaf Spot of Banana: A Newly Discovered Disease Caused by *Mycosphaerella eumusae* (Anamorph *Septoria eumusae*). *Phytopathology*, 90(8), 884-890.
- Dewir, Y. H., et al. (2018). Micropropagation of *Cattleya*: Improved bud multiplication and elongation. *Plant Cell, Tissue and Organ Culture (PCTOC)*, 135, 29-40.
- Djarot, P., Ismanto, & Pertiwi, A. A. (2024). Multiplikasi Tunas Jahe Putih Besar (*Zingiber officinale*) In vitro dalam Media MS yang Diperkaya BAP dan TDZ. *Jurnal Hortikultura Indonesia*, 15(1).
- Dwi, R. (2023). Peningkatan produktivitas pisang Indonesia melalui seleksi bibit unggul pada pembibitan. *Jurnal Agrohortikultura Indonesia*.
- Dwiyani, R. (2015). *Kultur Jaringan Tanaman*. Denpasar: Pelawa Sari.
- Dzikrana, R., Sulichantini, E. D., & Eliyani. (2018). The effect of kinetin concentration on *Eucalyptus pellita* F. Muell micro cutting growth (in vitro). *Jurnal Agroekoteknologi Tropika Lembab*, 6(2), 114-121.
- Eigbadon, E., et al. (2022). Optimization of NAA and TDZ concentrations for enhanced shoot regeneration in vitro. *Scientific Reports*, 12(1).
- Erez, A., et al. (2021). Auxin's role in lateral organ initiation and leaf development in plants. *Journal of Plant Physiology*, 256, 153322.
- Eriansyah, M., Susiyanti, & Putra, Y. (2018). Pengaruh Pemotongan Eksplan dan Pemberian Beberapa Konsentrasi Air Kelapa Terhadap Pertumbuhan dan Perkembangan Eksplan Pisang Ketan (*Musa Paradisiaca*) Secara In vitro. *Agrologia*, 7(1), 54-61.
- Esan, A. M., Akeredolu, O. E., Adeniji, A. O., & Olaiya, C. O. (2022). Comparative effects of gibberellic acid, salicylic acid and *Bacillus subtilis* on oxidative stress marker and antioxidant potential of *Musa sapientum* Linn. *Archives of Phytopathology and Plant Protection*.
- FAO. (2020). *Banana Market Review 2019*. Roma: Food and Agriculture Organization of the United Nations.
- Farhani, F., Aminpoor, H., Sheidai, M., Noormohammadi, Z., & Mazinani, M. H. (2008). An improved system for in vitro propagation of banana (*Musa acuminata* L.) cultivars. *Asian Journal of Plant Science*, 7(3), 249-255.
- Guo, B., Abbasi, B. H., Zeb, A., Xu, L. L., & Wei, Y. H. (2011). Thidiazuron: A multi dimensional plant growth regulator. *African Journal of Biotechnology*, 10(45), 8984-9000.

- Handayani, E., Saputri, D. S., & Adityarama, S. (2019). Pengaruh kombinasi ZPT (NAA dan BAP) terhadap induksi tunas eksplan pisang kepok secara in vitro. *Jurnal Agroekoteknologi Tropika Lembab*, 2(1), 45-51.
- Hapsoro, D., et al. (2020). The effect of thidiazuron on shoot multiplication and leaf formation of various plant species in vitro. *Biodiversitas Journal of Biological Diversity*, 21(3).
- Hartati, S., Retna, B. A., Brigita, R. H., & Cahyono, O. (2022). The Effect of Auxin and Cytokinin on Black Orchid Hybrid pandurata (Coelogyne Lindley) vitro. *International Journal of Plant Biology*.
- Hindersah, R., & Suminar, E. (2019). Kendala dan Metode Budidaya Pisang di Beberapa Kebun Petani Jawa Barat. *Agrologia*, 8(2), 55-62.
- Honing, M., Plihalova, L., Husickova, A., Nisler, J., & Dolezal, K. (2018). Role of Cytokinins in Senescence, Antioxidant Defence and Photosynthesis. *International Journal of Molecular Sciences*, 19(12).
- Ighalo, J. O., & Adeniyi, A. G. (2019). Thermodynamic modelling and temperature sensitivity analysis of banana (Musa spp.) waste pyrolysis. *SN Applied Sciences*, 1(9), 1-9.
- Kementerian Pertanian RI. (2019). *Statistik Pertanian 2018*. Jakarta: Pusat Data dan Sistem Informasi Pertanian.
- Krizek, B. A., et al. (2023). The role of auxin in cell wall extensibility and plant growth. *Plant Physiology and Biochemistry*, 194, 1-10.
- Lata, H., et al. (2016). In vitro propagation of Cannabis sativa L. and the role of TDZ in organogenesis. *Frontiers in Plant Science*, 7, 19.
- Lukmana, M., & Rahmawati, L. (2018). Sterilization effectiveness of rubber leaf explant (Hevea brasiliensis) in in-vitro culture. *Bioprospek: Jurnal Ilmiah Biologi*, 13(2), 20–25.
- Machado, R. A., et al. (2020). Auxin-induced elongation and the role of nutrient uptake in plant development. *Journal of Plant Growth Regulation*, 39, 1121-1130.
- Mahfudza, E., Linda, R., & Mukarlina. (2018). Perbanyakan Tunas Pisang Cavendish (Musa Acuminata L.) Secara In vitro Dengan Penambahan Naphthalene Acetic Acid (NAA) Dan Air kelapa. *Jurnal Protobiont*, 7(1), 75-79.
- Mao, J., et al. (2022). Molecular mechanisms of auxin-mediated root development in plants. *International Journal of Molecular Sciences*, 23(1).
- Mathew, N. S., Kurrey, N. K., Bettadaiah, B. K., & Negi, P. S. (2021). Anti-proliferative activity of Ensete superbum Roxb. Cheesman extract and its active principles on human colorectal cancer cell lines. *Journal of Food Science*, 86(11), 5026-5040.

- Maulida, D., Linda, R., & Mukarlina. (2018). Multiplikasi tunas pisang kepok (*Musa paradisiaca* L. var. Kepok) secara in vitro dengan penambahan berbagai konsentrasi Benzyl Amino Purin (BAP) dan Naphthalene Acetic Acid (NAA). *Jurnal Protobiont*, 7(1), 84–89.
- Miri, S. M. (2020). Effect of auxin and cytokinin on in vitro organogenesis and leaf expansion of plantlets. *Plant Cell, Tissue and Organ Culture (PCTOC)*.
- Mutryarny, E., & Lidar, S. (2018). Respon Tanaman Pakcoy (*Brassica rapa* L) Akibat Pemberian Zat Pengatur Tumbuh Hormonik. *Jurnal Ilmiah Pertanian*, 14(2).
- Niazian, M., et al. (2017). Review of Thidiazuron (TDZ) applications in plant tissue culture. *Industrial Crops and Products*, 103, 110-127.
- Ningrum, W. C., Jumadi, R., & Lailiyah, W. N. (2024). Pengaruh pemberian NAA dan kinetin terhadap pertumbuhan eksplan pisang Cavendish (*Musa paradisiaca* L.) melalui teknik kultur jaringan secara in vitro. *Tropicrops (Indonesian Journal of Tropical Crops)*, 7(1), 11-23.
- Nirmala, R., Shanti, R., & Suyadi. (2016). Langkah Sukses Budidaya Pisang Kepok Kuning (*Musa paradisiaca*) Bebas Penyakit Melalui Kultur Jaringan Sampai Lapangan dan Pengolahan Hasil Panennya di Provinsi Kalimantan Timur. *Zira'ah*, 41(1), 60–71.
- Nofiyanto, R. T., Kusmiyati, F., & Karno. (2019). Peningkatan kualitas planlet tanaman pisang raja bulu (*Musa paradisiaca*) dengan penambahan BAP dan IAA pada media pengakaran kultur in vitro. *Journal of Agro Complex*, 3, 132–141.
- Park, S. Y., et al. (2023). Influence of synthetic auxins on in vitro rooting and acclimatization of woody plants. *Plants*, 12(3).
- Poerba, S., Martanti, D., & Ahmad, F. (2018). *Deskripsi Pisang Koleksi Pusat Penelitian Biologi LIPI*. Jakarta: Penerbit BRIN.
- Prasiwi, D., Ermavitalini, D., & Muslihatin, W. (2018). Induksi tunas dari eksplan nodus *Rauvolfia serpentina* (L.) Benth. ex Kurz secara in vitro dengan pemberian thidiazuron (TDZ). *Jurnal Sains dan Seni ITS*, 7(2), 52–56
- Putri, R. R. D., Suwirmen, S., & Nasir, N. (2018). Pengaruh Naphthalene Asam Asetat (NAA) pada pertumbuhan akar pisang Raja Kinalun secara in vitro. *Jurnal Biologi UNAND*, 6(1), 1-5.
- Rai, I. N., Dwivany, F. M., Sutanto, A., Meitha, K., Sukewijaya, I. M., & Ustriyana, I. N. G. (2018). Biodiversity of Bali banana (*Musaceae*) and its usefulness. *Hayati Journal of Biosciences*, 25(4), 186-192.
- Ramdani, Y., Kurniati, E., Sukarsih, I., & Gunawan, G. (2017). Teknik pemberdayaan keluarga prasejahtera melalui optimalisasi lahan

- pekarangan dengan penanaman pisang Cavendish. *Ethos: Jurnal Penelitian dan Pengabdian kepada Masyarakat*, 5(1), 114–121.
- Ramesh, Y., & Ramassamy, V. (2014). Effect of gelling agents in in vitro multiplication of banana var. Poovan. *International Journal of Advanced Biology Research*, 4(3), 308-311.
- Ranjha, M. M. A. N., Irfan, S., Nadeem, M., & Mahmood, S. (2020). A comprehensive review on nutritional value, medicinal uses, and processing of banana. *Food Reviews International*, 1–27.
- Razani, M., Shaharuddin, N. A., Subramaniam, S., & Mahmood, M. (2012). Effects of TDZ on morphological and biochemical changes of banana plantlets (*Musa spp.*) cultivar Mas cultured in temporary immersion bioreactor system. Dalam *International Banana Symposium: Banana Improvement, Health Management, Use Diversification and Adaptation to Climate Change* (hlm. 256). Selangor: Department of Biochemistry, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia.
- Restanto, D. P., dkk. (2018). *Kajian thidiazuron (TDZ) dalam induksi PLB anggrek Phalaenopsis sp secara in vitro*. Jember: Fakultas Pertanian, Universitas Jember.
- Riono, Y. (2019). Zat Pengatur Tumbuh Kinetin untuk Pertumbuhan Sub Kultur Pisang Barangan (*Mussa paradisiaca L.*) dengan Metode Kultur Jaringan. *Jurnal Agro Indragiri*, 4(1).
- Samanhudi, Widijanto, H., & Yunus, A. (2020). Sosialisasi dan Penyuluhan Budidaya Pisang dengan Bibit Hasil Kultur Jaringan di Desa Lempong, Kecamatan Jenawi, Kabupaten Karanganyar. *PRIMA: Journal of Community Empowering and Services*, 4(1).
- Saputro, J., Setiari, N., Nurchayati, Y., & Izzati, M. (2020). Respon Eksplan Batang Kentang (*Solanum tuberosum L.*) terhadap Perlakuan Konsentrasi Thidiazuron (TDZ) Pada Media MS secara In Vitro. *Buletin Anatomi dan Fisiologi*, 5(1).
- Sarma, P., Nath, S., & Baruah, A. M. (2023). Molecular and physiological perspectives of auxin-induced organogenesis in plant tissue culture. *Plants*, 12(15), 2845
- Schulze, K. (2007). *Plant Propagation by Tissue Culture* (3rd ed.). Dordrecht: Springer.
- Silvina, F., Nurbaiti, N., & Rahmita, N. (2024). Pengaruh NAA dan BAP terhadap pertumbuhan embriosomatik pisang cavendish (*Musa acuminata L.*) fase globular secara in vitro. *Jurnal Pertanian Agros*, 26(4), 1644-1653.

- Stepanova, A. N., et al. (2021). Auxin–cytokinin interactions in the control of shoot apical meristem maintenance and morphogenesis. *Nature Communications*, 12, 1077.
- Sulichantini, E. D., Eliyani, Nazari, A. P. D., SusyLOWATI, & Saputra, A. (2021). Pengaruh zat pengatur tumbuh dan bahan organik terhadap pertumbuhan anggrek tebu *Grammatophyllum speciosum* Blume secara kultur jaringan. *Jurnal Agroekoteknologi Tropika Lembab*, 4(1), 13–19.
- Sulichantini, E. D., Nazari, A. P. D., & Nuansyah, A. (2023). Aplikasi Kombinasi Jenis dan Konsentrasi Antioksidan yang Berbeda sebagai Penghambat Browning pada Perbanyakan Pisang Cavendish secara Kultur Jaringan. *Jurnal Agroekoteknologi Tropika Lembab*, 5(2), 78-83.
- Tripathi, J. N., Ntui, V. O., Ron, M., Muiruri, S. K., Britt, A., & Tripathi, L. (2019). CRISPR/Cas9 editing of endogenous banana streak virus in the B genome of *Musa* spp. overcomes a major challenge in banana breeding. *Communications Biology*, 2(1), 1-11.
- Waman, A. A., Bohra, P., Sathyanarayana, N., & Umesha, K. (2021). Effect of auxins and cytokinins on in vitro regeneration and shoot induction in *Piper* species. *Vegetos*, 34(2), 433–441.
- Wani, S. H., Kumar, V., Shriram, V., & Sah, S. K. (2023). Recent advances in the role of cytokinins in plant growth and development. *South African Journal of Botany*, 155, 227–240.
- Wanjie International. (2016). *Technical Manual for Plant Growth Regulators: Thidiazuron and its applications*. Diakses dari <http://www.wuzhouchem.com/>
- Widayatmo, A., & Nindita, R. (2019). Strategi peningkatan produktivitas pisang Cavendish melalui seleksi aksesori unggul pada proses pembibitan. *Buletin Agrohorti*, 7(1), 101–108.
- Widyastuti, N., & Jesicca, D. (2018). *Kultur Jaringan: Teori dan Praktik Perbanyakan Tanaman secara In-vitro*. Yogyakarta: Penerbit Andi.
- Yusnita. (2015). *Kultur Jaringan Tanaman Pisang*. Bandar Lampung: Anugrah Utama Raharja.
- Zhang, H. J., Zhang, J., Li, F. G., et al. (2017). Analysis on the newly registered plant growth regulators. *Pesticide Science and Administration*, 38(7), 18–25.
- Zimik, M., & Arumugam, N. (2017). Induction of shoot regeneration in cotyledon explants of the oilseed crop *Sesamum indicum* L. *Journal of Genetic Engineering and Biotechnology*, 15(2), 303–308.