

DAFTAR PUSTAKA

- Aert, R., L.Sagi dan G. Volckaert. 2004. Gene Content and Density in Banana (*Musa acuminata*) as Revealed by Genomic Sequencing of BAC Clones. *The Oretical and Applied Genetics*. 109:129-139.
- Aragón, C., M.Escalona, I.Capote, D.Pina, I.Cejas, R.Rodríguez dan J. LGonzález-Olmedo. 2006. Metabolic importance of starch in the acclimation of plantain 'CEMSA 3/4' (AAB) plants. *InfoMusa*. 15(1-2), 32-35.
- Arlianti, T., S.F. Syahid, N.N. Kristina dan O. Rostiana. 2013. Pengaruh IAA, IBA dan NAA Terhadap Induksi Perakaran Stevia (*Stevia rebaudiana*) Secara *In Vitro*. *Bul.Littro*. 24(2):239-243.
- Benfey P.N., M. Bennett dan J. Schiefelbein. 2010. Getting To The Root Of Plant Biology : Impact Of The Arabidopsis. *Plant Journals*. 61:992–1000.
- BPS. 2019. *Statistik Tanaman Buah-buahan dan Sayuran Tahunan Indonesia*. ISSN: 2088-8406. 99 Hlm.
- Carlson W.C. dan Miller D.E. 1990. *Target seedling root system size, hydraulic conductivity, and water use during seedling establishment*. In: Rose R., Campbell S.J. and Landis T.D. (eds), Proceedings, Combined Meeting of the Western Forest Nursery Association's Target Seedling Symposium. Gen. Tech. Rep. RM-200. Fort Collins, CO. USDA Forest Service, Rocky Mtn. For. and Range Exp. Stn. pp. 79–90.
- Chunn, T., S. Taketa, S. Tsurumi, dan M. Ichii. 2003. The Effects of Auxin on Lateral Root Initiation and Root Gravitropism in a Lateral Rootless Mutant Lrt1 of rice (*Oryza sativa* L.). *Plant Growth Regulation*. 39(2):161–170.
- Dhanabati, L. and Sarkar, S.K. 2019. Growth and Yield of Banana as Influenced by Age of Secondary Hardened Tissue Culture Plantlets. *Int.J.Curr.Microbiol.App.Sci*. 8(04): 1128-1135.
- Dwidjoseputro, D. 1986. *Pengantar Fisiologi Tumbuhan*. Gramedia. Jakarta. 123 Hlm.
- Edison, H.S., A. Sutanto, dan N. Razak. 1996. *The Exploration of Musaceae in Maluku Island*. France : INIBAP, Research Institute for Fruits. 63 pp
- Elisama, M.L.M., E.V.J.Raymundo, V.V.V.Arturo, C.A.G.Virginia and C.S.J.Luis. 2013. Acclimatization of Micropropagated *Musa cavendishii* Cultivar Roatan Plants Submitted to Doses of Fertigation and Auxin. *Academic Journals*. 8(43): 5335-5340
- El-Mahrouk, M.E., A.R. El-Sherief, Y.H. Dewir, Y.M.Hafez, Kh.A.Abdelaal,S.El-Hendawy, H. Migdadi and R.S. Al-Obeed. 2019. Micropropagation of

Banana : Reversion, Rooting and Acclimatization of Hyperhydric Shoots. *Hort Science*. 54(8): 1384-1390

- Eriansyah, M., Susiyanti dan Y.Putra. 2014. Pengaruh Pemotongan Eksplan dan Pemberian Beberapa Konsentrasi Air Kelapa Terhadap Pertumbuhan dan Perkembangan Eksplan Pisang Ketan (*Musa paradisiaca*) Secara *In Vitro*. *Agrologia*. 3(1): 54-61.
- Essegbemon, A., T.J. Stomph, D.K. Kossou dan P.C. Struik. 2014. Growth Dynamics of Tree Nursery Seedlings; The Case of Oil Palm. *Scientia Horticulture* 175: 251-257
- Ferita, I., N. Akhir, H. Fauza dan E. Syofyanti. 2009. Pengaruh Intensitas Cahaya Terhadap Pertumbuhan Bibit Gambir (*Uncaria gambir* Roxb). *Jurnal Agroekoteknologi* 2(2): 249-254
- G. Fila, J. Ghashghaie dan G. Cornic. 1998. Photosynthesis, Leaf Conductance and Water Relations of in Vitro Cultured Grapevine Rootstock in Relation to Acclimatization, *Biologia Plantarum*. 102(03): 411-418.
- Folk R.S. dan Grossnickle S.C. 1997. Determining field performance potential with the use of limiting environmental conditions. *New For*. 13: 121–138.
- Firmansyah, Irfi. 2012. *Penentuan Ukuran dan Teknik Penyimpanan Benih Pisang Kepok (Musa sp. Abb group) dari Bonggol*. Skripsi. Institut Pertanian Bogor. 48 Hlm.
- Gardner, F.P., R.B. Pearce dan R.L. Mitcell. 1991. *Fisiologi Tumbuhan Budidaya*. Jakarta : Indonesia University Press. 428 hlm
- Geisler M. dan A.S. Murphy. 2006. The ABC Of Auxin Transport: The Role Of p-glycoproteins In Plant Development. *FEBS Lett*. 580: 1094–1102
- George, E. F., A. H. Michael dan Geert-Jan De Klerk. 2008. *Plant Propagation by Tissue Culture*. 3rd Edition. Volume 1. Springer. Dordrecht. pp.504.
- Haase D.L. dan Rose R. 1993. Soil moisture stress induces transplant shock in stored and unstored 2+0 Douglas-fir seedlings of varying root volumes. *For. Sci*. 39: 275–294.
- Hama, Sarita. 2016. Penggunaan Berbagai Jenis Media Tanam Dan Hormon Tumbuh Terhadap Pertumbuhan Planlet Tanaman Pisang Kepok Varietas “Unti Sayang” (*Musa paradisiaca* L.) Saat Aklimatisasi. *Jurnal Pertanian Berkelanjutan*. 4(2)
- Hanafiah, K. A. 2009. *Rancangan Percobaan Teori dan Aplikasi*. PT Raja Grafindo Persada. Jakarta. 274 Hlm.

- Hapsari, Lia. 2014. Wild Musa Species Collection of Purwodadi Botanic Garden: Inventory and Its Morpho-taxonomic Review. *The Journal Of Tropical Life Science*. 4(1): 70-80.
- Hapsoro, D., M.I. Alisan dan Yusnita. 2010. Effect of Benzyladenine on In Vitro Shoot Multiplication of Banana (*Musa paradisiaca* L.) cv. Ambon Kuning and Tanduk. Proceeding of International Seminar on Horticulture to Support Food Security 2010. 22-23 June 2010. Bandar Lampung, Indonesia. 20 hlm
- Hapsoro, D. dan Yusnita. 2018. *Kultur Jaringan Teori dan Praktik*. CV Andi Offset. Yogyakarta. 88 hlm.
- Hasnunidah, N. 2011. Fisiologi Tumbuhan. Bandar Lampung : Universitas Lampung. 212 hlm.
- Hazarika, B.N. 2003. Acclimatization of tissuecultured plants. *Curr Sci*. 85(12) :1704-1712.
- Hoffmann, A. 2002. Aclimatacao de Mudas Produzidas *In Vitro* e *In Vivo*. *Informe Agropecuario*. 23: 21-24.
- Honkanen S, Dolan L. 2016. Growth regulation in tip-growing cells that develop on the epidermis. *Current Opinion in Plant Biology*. 34: 77–83.
- Hopkins W.G. 1995. *Introduction to Plant Physiology*. John Wiley & sons. New York. pp. 464
- Ismaryati, T. 2010. Studi Multiplikasi Tunas, Pengakaran dan Aklimatisasi pada Perbanyak In Vitro Tanaman Pisang Raja Bulu, Tanduk dan Ambon Kuning. Tesis Pascasarjana (Magister Agronomi). Lampung : Universitas Lampung. 56 hlm
- Iyer-Pascuzzi A.S. dan P.N. Benfey. 2009. Transcriptional networks in root cell fate specification. *Biochimica et Biophysica Acta*. 1789: 315–325.
- Jadid, M.N. 2007. Uji Toleransi Aksesori Kapas (*Gossypium hirsutum* L.) terhadap Cekaman Kekeringan dengan Menggunakan Polietilena Glikol (PEG) 6000. Skripsi. Malang : Fakultas Sains dan Teknologi, Universitas Islam Negeri Malang. 70 hlm.
- Jarret, R. L. 1986. *In vitro Propagation and Genetic Conservation of Bananas and Plantains*. In *IBPGR Advising committee on and in vitro storage*. Report of the third meeting (Appendix) IbPGr. Rome, Italy. pp.12-14.
- Karamura, D., E. Karamura dan G. Blomme. 2015. *Banana Breeding : Progress and Challenges*. CRC Press. UK. pp.383.

- Khatun, F., M.E. Hoque, H.Huq, Md. Adil, Kh.A.U.Zaman dan M.H.Rabin. 2017. Effect of BAP and IBA on *in vitro* Regeneration of Local Banana Variety of Sabri. *Biotechnology Journal International*. 18(1):1-10. No. BJI.31592.
- Lakitan, B. 1993. *Dasar-Dasar Fisiologi Tumbuhan*. Jakarta : PT. Raja Grafindo Persada. 155 hlm
- Laskowski M dan Ten Tusscher KH. 2017. Periodic lateral root priming: what makes it tick? *The Plant Cell*. 29: 432–444.
- Law D.M. dan P.J. Davies. 1990. Comparative indole-3-acetic acid levels in the slender pea and other pea phenotypes. *Plant Physiol*. 93: 1539-1543.
- Lestari E.G., R.Purnamaningsih, I.Mariska dan S.Hutami. 2009. Induksi Keragaman Somaklonal dengan Iradiasi Sinar Gamma dan Seleksi *In Vitro* Kalus Pisang Rajabulu Menggunakan Asam Fusarat, Serta Regenerasi dan Aklimatisasi Plantlet. *Berita Bio*. 9(4): 411-417.
- Lewis D.R., S. Negi, P. Sukumar dan G.K. Muday. 2011. Ethylene Inhibits Lateral Root Development, Increases IAA Transport And Expression Of PIN3 and PIN7 Auxin Efflux Carriers. *Development*. 138: 3485–3495.
- Maera, Z., Yusnita dan Susriana. 2014. Respon Pertumbuhan Planlet Anggrek *Phalaenopsis* Hibrida Terhadap Pemberian Dua Jenis Pupuk Daun dan Benziladenin Selama Aklimatisasi. Enviagro, *Jurnal Pertanian dan Lingkungan*. 7(2): 1- 48. ISSN 1978-1644
- Mahauachi, J., M.F.L. Climent dan A.G. Cadenas. 2014. Hormonal and Hdroxycinnamic Acids Profiles in Banana Leaves in Response to Various Periods of Water Stress. Hindawi Publishing Corporation. *The Scientific World Journal*. 20.
- Marin, J.A., R. Gella dan M. Herrero .1988. Stomatal Structure and Functioning as a Response to Environmental Changes in Acclimatized Micropropagated *Prunus erasus* L. *Ann Bot*. 62:663–670.
- Martiansyah, Irfan. 2014. *Budidaya Pisang Asal Kultur In Vitro dengan Teknologi PPBBI*. PT Riset Perkebunan Nusantara. Pusat Peneliti Bioteknologi dan Bioindustri Indonesia (PPBBI). Bogor. 10 Hlm.
- Maryamah, L.F., F. Kusmiyati dan S. Anwar. 2019. Pertumbuhan Lili (*Lilium longiflorum*) Pada Berbagai Komposisi Media Tanam dan Zat Pengatur Tumbuh *Naphthalene Acetic Acid* (NAA) pada Tahap Aklimatisasi. *Buletin Anatomi dan Fisiologi*. 4(2). e-ISSN 2541-0083

- Mathur, A., A.K. Mathur, P. Verva, S. Yadav, M.L. Gupta dan M.P. Darokar. 2008. Biological hardening and genetic fidelity testing of micro-cloned progeny of *Chlorophytum borivillianum* Sant. et Fernand. *African Journal of Biotechnology*. 7 (8) : 1046-1053. ISSN 1684–5315.
- Merina, P. K., S. S. Saravanan dan A. M. Pillai. 2020. In vitro Propagation of Medicinally Valuable Traditional Banana Cultivar, *Musa acuminata* cv. Matti by Shoot Tip Culture. *Int.J.Curr.Microbiol.App.Sci*. 9(08): 2240-2250.
- Muas, Irwan. 2015. *Optimalisasi Produksi Dan Pemanfaatan Sisa Tanaman Pisang Untuk Menunjang Ketahanan Pangan Dan Pertanian Bioindustri*. Balai Penelitian Tanaman Buah Tropika. Sumatra Barat. 30 Hlm.
- Nakasone, H.Y. dan R.E. Paul. 2010. *Tropical Fruit*. CAB International. London. pp.445.
- Parnidi dan U.S. Budi. 2016. Keragaman Klon-Klon Abaca (*Musa textilis* Nee) Hasil Kultur *In-Vitro* pada Fase Aklimatisasi. Seminar Nasional Pendidikan dan Saintek 2016. Malang : Balai Penelitian Tanaman Pemanis dan Serat. 8 hlm.
- Paull, R.E. dan Duarte, O. 2011. *Tropical Fruits* . 2ND Edition - Volume I. CAB International. Wallingford, UK. pp.408.
- Pinheiro, C., C. Antonio dan M.E. Ortuno. 2011. Initial Water Deficit Effects On *Lupinus albus* Photosynthetic Performance, Carbon Metabolism and Hormonal Balance: Metabolic Reorganization Prior To Early Stress Responses. *Journal of Experimental Botany*. 62(14): 4965-4974.
- Ploetz, R.C., A.K. Kepler, J. Daniells dan S.C. Nelson. 2007. *Banana and Plantain-an Overview With Emphasis on Pacific Island Cultivars*. In: CR Elevitch, ed. *Species Profiles For Pasific Island Agroforestry*. Permanent Agriculture Resources. Holualoa, Hawai'i. pp.27.
- Ploetz, R.C. 2015. Fusarium Wilt Of Banana. *Phytopathology*. 105(12): 1512-1521.
- Pospíšilova J, I .Tichá, P.Kadleček, D. Haisel, dan Š. Plzáková. 1999. Acclimatization of micropropagated plants to *ex vitro* conditions. *Biol.Plant* 42:481-497.
- PPBI. 2013. *Budidaya Pisang Asal Kultur In Vitro dengan Teknologi PPBBI*. Pusat Penelitian Bioteknologi dan Bioindustri Indonesia. Sumatra Barat. 13 Hlm.
- Preece, J.E., Sutter, E.G.1991. Acclimatization of micropropagated plants to the greenhouse and field. - In: Debergh, P.C., Zimmerman, R.H. (ed.):

Micropropagation. Technology and Application. Pp. 71-93. Kluwer Academic Publishers, Dordrecht - Boston - London.

Radheshyam, K. H. dan J. Subramani. 2008. *Hardening and Acclimatization of Banana Tissue Culture Plantlets*. In 4th international symposium on acclimatization and establishment of micropropagated plants. Bangalore. pp. 43

Rellán-Álvarez R, G. Lobet dan J.R. Dinneny. 2016. Environmental control of root system biology. *Annual Review of Plant Biology*. 67: 619–642.

Robinson, J.C. dan V.G. Sauco. 2009. Weaning (*Acclimatization*) of *In Vitro* Produced Banana Plants. *EDP Sciences*. 64(5): 325-332.

_____. 2010. *Banana and Plantains* 2nd Edition. CABI: North America Office. USA. pp.320.

Rostiana O dan D. Seswita. 2007. Pengaruh *Indole Butyric Acid* dan *Naphtaleine Acetic Acid* Terhadap Induksi Perakaran Tunas Piretrum [*Chrysanthemum cinerariifolium* (Trevir.)vis.] klon Prau 6 secara *in vitro*. Buletin penelitian tanaman rempah dan obat (BUL LITTRO). XVIII(1): 39 – 48.

Rozyandra, C. 2004. Analisis Keanekaragaman Pisang (*Musa spp*) Asal Lampung. Skripsi. Bogor : Departemen Budidaya Pertanian, Fakultas Pertanian, Institut Pertanian Bogor. 75 hlm

Růžička K, L.C. Strader dan A.Bailly. 2010. Arabidopsis PIS1 encodes the ABCG37 transporter of auxinic compounds including the auxin precursor *indole-3-butyric acid*. *Proceedings of the National Academy of Sciences*, USA 107, 10749–10753.

Sahoo, Jyoti Prakash. 2020. Plant Growth Regulators and their Mode of Action. Department of Agricultural Biotechnology. College of Agriculture. Odisha University of Agriculture and Technology. Bhubaneswar, Odisha – 751003. 2 (7). E-ISSN : 2581-8317.

Saini, S., I. Sharma, N. Kaur dan K. Pati. 2013. Auxin: A Master Regulator In Plant Root Development. *Plant Cell Rep*. Department of Biotechnology, Guru Nanak Dev University. India. 32(6):741-57

Sari, N., R. E. S., dan Sumadi. 2014. Optimasi Jenis dan Konsentrasi ZPT dalam Induksi Kalus Embriogenik dan Regenerasi menjadi Planlet pada *Carica pubescens* (Lenne & K.Koch). Biosaintifika: *Journal of Biology & Biology Education*. 6(1) :51–59

- Sariamanah, W.O.S., A. Munir dan A. Agriansyah. Karakterisasi Morfologi Tanaman Pisang (*Musa paradisiaca* L.) Di Kelurahan Tobimeita Kecamatan Abeli Kota Kendari. *J. AMPIBI*. 1(3): 32-41.
- Sastrosupadi, A. 2009. *Rancangan Percobaan Praktis Bidang Pertanian*. Kanisius Yogyakarta. 224 Hlm.
- Scaranari, C., P.A.M. Leal dan P. Mazzafera. 2009. Shading and Periods of Acclimatization of Micropropagated Banana Plantlets CV. Grande Naine. *Sci.Agric. (Piracicaba, Braz.)*. 66(3): 331-337.
- Shekafandeh, A. 2007. Effect of Different Growth Regulators and Sucrose of Carbohydrates on in and *Ex Vitro* Rooting of Iranian myrtle. *Intl. J. Agric. Res.* 2(2): 152-158.
- Singh, V.P. 2003. *Problems Associated With Commercial Micropropagation. In Micropropagation of Horticultural crops*. Edited by R Chandra & M Mishra (International Book Distributors Co, Lucknow). pp.562-570.
- Sigh, H.P., S.Umar, R.Selvarajan dan J.L. Karihaloo. 2011. *Micropropagation For Production of Quality Banana Planting Material In Asia-Pasific*. Asia-Pacific Consortium on Agricultural Biotechnology (APCoAB), New Delhi, India. pp. 92.
- Silvia, A.T., M. Pasqual, L.E.C. Antunes dan G.R.C. Carvalho. 1999. Influencia de especie, desfolha e ambiente na aclimatacao de plantulas produzidas “*in vitro*”. *Ciencia e Pratica*. 18: 280-285.
- Supijatno. 2012. Studi Mekanisme Toleransi Genotipe Padi Gogo terhadap Cekaman Ganda pada Lahan Kering Di Bawah Naungan. Disertasi. Bogor : Institut Pertanian Bogor. 116 hlm
- Sumaryono dan I.Riyadi. 2011. *Ex Vitro* Rooting of Oil Palm (*Elaeis guineensis* Jacq.) Planlets Dericed From Tissue Culture. *Indonesian Journal of Agriculture Science*. 12(2): 57-62.
- Supriyanti, N., R.W. Hartiningsih, M.F. Suhendra. 2013. *Bioresources Untuk Pembangunan Ekonomi Hijau*. LIPI. Jakarta. 229 Hlm. ISBN 978-979-799-729-8
- Swarup R., J. Friml, A. Marchant, K. Ljung, G. Sandberg, K. Palme dan M. Bennett. 2001. Localization Of The Auxin Permease AUX1 Suggests Two Functionally Distinct Hormone Transport Pathways Operate In The Arabidopsis Root Apex. *Genes Dev.* 15:2648– 2653.
- Taiz L. and E. Zeiger. 2002. *Plant Physiology* 3rd ed. Sunderland : Sinauer Associates Inc Public. 690 pp

- Teale W. dan Palme K. 2018. *Naphthylphthalamic Acid* and The Mechanism of Polar Auxin Transport. *Journal of Experimental Botany* . Vol.69.pp.303–312.
- Triharyanto, E., R.B. Arniputri, E.S. Muliawati dan E. Trisnawati. 2018. Kajian Konsetrasi IAA dan BAP Pada Multiplikasi Pisang Raja Bulu *In Vitro* dan Aklimatisasinya. *Agrotech Res J*. 2(1): 1-5
- Turner, J., B. Mather dan M. Lock. 2002. *Musa basjoo*, Musaceae. *Curtis's Botanical Magazine*. 19:49-54
- Turner, W., J.A. Fortescue dan D.S. Thomar. 2007. Enviromental Physiology of The Bananas (*Musa* spp.). *Braz. J. Plant Physiol*. 19(4):463-484
- Uzaribara, E., H.Ansar, V. Nachegowda, A. Taj and B.N. Sathyanarayana. 2015. Acclimatization Of In Vitro Propopagated Red Bananan (*Musa acuminata*) Planlets. *Departement of Horticulture*. University of Horticultural Sciences Bagalkot, India. 10(1): 221-224.
- Vanneste S. dan J. Friml. 2009. Auxin: A Trigger For Change In Plant Development. *Cell*. 136:1005–1016
- Vasane, S. R. dan R.M. Kothari. 2006. Optimization of secondary hardening process of banana plantlets (*Musa paradisiaca* L. var. *Grand Naine*), *Indian J Biotechnol*. 5: 394-399.
- Vasane, S.R. dan R.M. Kothari. 2008. An integrated approach to primary and secondary hardening of banana var. *Grand Naine*. *Indian Journal of Biotechnology*. 7:240-245.
- Wattimena, G.A. 1992. *Zat Pengatur Tumbuh Tanaman*. Laboratorium Kultur Jaringan Tanaman. PAU Bioteknologi. Institut Pertanian Bogor. Bogor. 252 Hlm.
- Weinert, M. dan M. Simpson. 2016. *Subtropical Banana Nutrition – Matching Nutrition Requirements of Growth Demands*. NSW Departement of Primary Industries. 1243 Bruxner Highway, Wollongbar NSW 2477. ISBN 978-1-74256-984-0
- Wong W.C. 1986. *In vitro* Propagation of Banana (*Musa* spp.) pnitiation, Proliferation and Development of Shoot Tip Cultivars on Define Media, Plant Cell Tissue. *Org cult*. 6(1): 159-166.
- Yusnita. 2003. *Kultur Jaringan Cara Memperbanyak Tanaman Secara Efisien*. PT Agromedia Pustaka. Jakarta. 86 Hlm.
- Yusnita. 2015. *Kultur Jaringan Pisang*. CV Anugrah Utama Raharja. Jakarta. 104 Hlm.

Zazımalova, E., A. S. Murphy, H. Yang, K. Hoyerova, dan P. Hosek. 2010. *Auxin Transporters- Why So Many?*. Edisi ke 2. Cold Spring Harbor Laboratory Press. pp.1–15.