

DAFTAR PUSTAKA

- Ahmed, S., Sharma, A., Singh, A. K., Wali, V. K., and Kumari, P. (2014). In vitro multiplication of banana (*Musa* sp.) cv. Grand Naine. *African Journal of Biotechnology*. 13(27): 2696–2703.
- Aragão, F. J. L., and A. C. M. Brasileiro. 2002. Positive, negative and marker-free strategies for transgenic plant selection. *J. Plant Physiol*. 14(1): 1-10.
- Asande L K., Omwoyo R O., Oduor R O., Nyaboga E N. 2020. A simple and fast *Agrobacterium*-mediated transformation system for passion fruit KPF4 (*Passiflora edulis* f. *edulis* × *Passiflora edulis* f. *flavicarpa*). *Plant Methods* 16(141).
- Benveniste R., Davies J. 1973. Mechanisms of antibiotic resistance in bacteria. *Annu. Rev. Biochem.* 42:471-506.
- Bhatt R., Asopa P.P., Jain R., Kothari-Chajer A., Kothari S.L., Kachhwaha, S. Optimization of *Agrobacterium* Mediated Genetic Transformation in *Paspalum scrobiculatum* L. (Kodo Millet). *Agronomy*. 11(1104): 1-14.
- Binka A, Orczyk W, Nadolska-Orczyk A. 2012. The *Agrobacterium*-mediated transformation of common wheat (*Triticum aestivum* L.) and triticale (x *Triticaosecale* Wittmack): Role of the binary vector system and selection cassettes. *J Appl Genet*. 53:1-8.
- Brasileiro A C M. 1998. Neomicina Fosfotransferase II (NPT II). In: Brasileiro ACM, Carneiro VTC (eds), *Manual de Transformação Genética de Plantas*, pp.143-154. Embrapa-SPI/Embrapa-Cenargen, Brasília, Brazil.
- Buah, J. N., Danso, E., Taah, K. J., Abole, E. A., Bediako, E. A., Asiedu, J., & Baidoo, R. (2010). The effects of different concentrations cytokinins on the in vitro multiplication of plantain (*Musa* sp.). *Biotechnology*. 9(3): 343– 347.
- FAO. 1977. *FAO Economic and Social Development Series : Bananas*. Institut africain pour le développement économique et social, Abidjan.
- Fibriani, S., I. Agustien, W. D. Sawitri dan B. Sugiharto. 2019. Transformasi genetik dan ekspresi mutan sukrose phosphate synthase pada tanaman tomat. *Jurnal Bioteknologi & Biosains Indonesia* 6 (1) : 130 - 138.

- Gaspar T., Kevers C., Penel C., Greppin H., Reid D M., and Thorpe T A. 1996. Plant Hormones and Plant Growth Regulators in Plant Tissue Culture. In *Vitro Cellular & Developmental Biology*. 32(4): 272-289.
- Gnasekaran P., Antony J J J., Uddain J., and Subramaniam S. 2014. *Agrobacterium*-Mediated Transformation of the Recalcitrant Vanda Kasem's Delight Orchid with Higher Efficiency
- Han J L., Wang H., Ye H C., Liu Y., Li Z Q., Zhang Y., Zhang Y S., Yan F., Li G F. 2005. High efficiency of genetic transformation and regeneration of *Artemisia annua* L. via *Agrobacterium tumefaciens*-mediated procedure. *Plant Sci*. 168(1): 73-80.
- Huber, S. C., and J. L. Huber. 1996. Role and Regulation of Sucrose-Phosphate Synthase in Higher Plants. *Annual Review of Plant Physiology and Plant Molecular Biology*. 47: 431 – 444.
- Hwang, H., M. Yu., and E. Lai. 2017. *Agrobacterium-mediated* plant transformation: biology and applications. The American Society of Plant Biologists.
- ITIS. 2023. *Musa* L.: Taxonomic Serial No.: 42388. ITIS Report; [accessed 2023 Jan 15]. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=42388#null.
- Kalimuthu K., Saravanakumar M., and Senthilkumar. 2007. In vitro micropropagation of *Musa sapientum* L. (Cavendish Dwarf). *African Journal of Biotechnology*. 6(9): 1106-1109.
- Karamura, D., E. Karamura., and G. Blomme. 2011. General Plant Morphology of *Musa*. In: M. Pillay and A. Tenkouano (Eds.). *Banana Breeding: Progress and Challenges*. CRC Press, Boca Raton, p: 1-20.
- Khanna, H. K., and P. C. Deo. 2016. General Plant Morphology of *Musa*. In: Mohandas, Sukhada., K. V. Ravishankar. (Eds.). *Banana: Genomics and Transgenic Approaches for Genetic Improvement..* Springer Nature, Singapore, p: 127-140.
- Kim, C., Cha J Y., Yan H., Vakulenko S B., Mobashery S. 2006. Hydrolysis of ATP by Aminoglycoside 3'-Phosphotransferases: AN UNEXPECTED COST TO BACTERIA FOR HARBORING AN ANTIBIOTIC RESISTANCE ENZYME. *Journal of Biological Chemistry*. 281(11): 6964-6969.

- Krikorian A D. 1995. Hormone in Tissue Culture and Micropropagation. *In*: Davies P J (Ed.). Plant Hormones. Springer, Dordrecht, p: 774-796.
- Li S, Cong Y, Liu Y, Wang T, Shuai Q, Chen N, Gai J and Li Y. 2017. Optimization of *Agrobacterium*-Mediated Transformation in Soybean. *Front. Plant Sci.* 8:246.
- Liu J., Gao P., Sun X., Zhang J., Sun P., Wang J., Jia C., Zhang J., Hu W., Xu B., Jin Z. 2017. Efficient regeneration and genetic transformation platform applicable to five *Musa* varieties. *Electronic Journal of Biotechnology.* 25 : 33-38.
- Madhulatha P, Pandey R, Hazarika P, Rajam M V. 2007. High transformation frequency in *Agrobacterium*-mediated genetic transformation of tomato by using polyamines and maltose in shoot regeneration medium. *Physiol Mol Biol Plants.* 13:191–8.
- Manchanda P., Kaur A., and Gosal S S. 2011. Impact of cefotaxime on in vitro shoot elongation and regeneration in banana (*Musa acuminata*). *Journal of Applied Horticulture.* 13(1): 52-55.
- Markandan M, Subramanyam K, Ishwarya R, Elayaraja D, Ganapathi A. Assessment of factors influencing the tissue culture-independent *Agrobacterium*-mediated in planta genetic transformation of okra [*Abelmoschus esculentus* (L) Moench]. 2015. *Plant Cell Tissue and Organ Cult.* 123(2): 309–20.
- May G. D., Afza R., Mason H. S., Wiecko A., Novak F J., & Arntzen C J. 1995. Generation of Transgenic Banana (*Musa acuminata*) Plants via *Agrobacterium*-Mediated Transformation. *Nature Biotechnology.* 13(5): 486 - 492.
- Mohapatra N., Deo B. 2020. Review on Diseases Affecting the Major Food Crop: Banana. *SSRG International Journal of Agriculture & Environmental Science.* 7(1) : 30-35.
- Niazian, M., Sadat-Noori, S. A., Tohidfar, M., Galuszka, P., and Mortazavian, S. M. M. 2019. *Agrobacterium*-mediated genetic transformation of ajowan (*Trachyspermum ammi* (L.) Sprague): an important industrial medicinal plant. *Ind. Crops Prod.* 132: 29 - 40.
- Park J.Y., Canam T., Kang K.Y., Ellis D.D., Mansfield S.D. Over-expression of an Arabidopsis family A sucrose phosphate synthase (SPS) gene alters plant growth and fibre development. *Transgenic Res.* 2008: 17:181–192.

- Paulos M., Joshi V R., Pawar S V. 2015. Effect of BAP and NAA on In vitro Shoot Establishment and Proliferation of Banana (*Musa paradisiaca*) Cv. Grand naine. International Journal of Science and Research (IJSR). 4(5): 318-323.
- Paz M M., Martinez J C., Kalvig A B., Fonger T M., and Wang K. 2006. Improved cotyledonary node method using an alternative explant derived from mature seed for efficient *Agrobacterium*-mediated soybean transformation. Plant Cell Rep. 25: 206–213.
- Pillay, M., C. A. Cullis., D. Talengera., and L. Tripathi. 2011. Propagation Methods in *Musa*. In: M. Pillay and A. Tenkouano (Eds.). Banana Breeding: Progress and Challenges. CRC Press, Boca Raton, p: 53-70.
- Pillay, M., and A. Tenkouano. 2011. Genomes, Cytogenetics, and Flow Cytometry of *Musa*. In: M. Pillay and A. Tenkouano (Eds.). Banana Breeding: Progress and Challenges. CRC Press, Boca Raton, p: 285-303.
- Purnamaningsih R., & D. Sukmadjaja. 2012. Transformasi Genetik Pisang Ambon dengan Gen Kitinase dari Padi. Jurnal AgroBiogen. 8(3): 97-104.
- Sagi L., Remi S., Panis B., Swennen R., Volckaert G. 1994. Transient gene expression in electroporated banana (*Musa* spp., cv Bluggoe, ABB group) protoplasts isolated from regenerable embryogenic cell suspensions. Plant Cell Rep. 13: 262-266.
- Sen, S., S. Kumar, and M. Ghani. 2011. *Agrobacterium*-mediated genetic transformation of rice chitinase (*chiII*) for fungus resistance in chrysanthemum cv. ‘snow ball’. Floriculture and Ornamental Biotechnology 5(1) : 40-44.
- Sivakumar P., and Visalakshi M. 2021. In vitro micropropagation of banana cv. Poovan (AAB). Journal of Applied Horticulture. 23(1): 37-41.
- Srivastava, V., Singh A. K., and Singh S. P. 2012. Optimization of BAP and IAA Concentration on Shoot Induction, Proliferation and Rooting in Shoot-Tip Culture of Banana Cv. Dwarf Cavendish. Indian Journal of Plant Physiology. 17(2): 179-184.
- Song S., Xu Y., Huang D., Miao H., Liu J., and Jia C. 2018. Identification of a novel promoter from banana aquaporin family gene (MaTIP1;2) which responses to

- drought and salt-stress in transgenic *Arabidopsis thaliana*. Plant Physiol. Biochem. 128: 163 -169.
- Subramanyam K., Subramanyam K., Sailaja K V., Srinivasulu M., & Lakshmidhevi. 2011. Highly efficient *Agrobacterium*-mediated transformation of banana cv. Rasthali (AAB) via sonication and vacuum infiltration.
- Sugiharto, B., H. Sakakibara, Sumadi, and T. Sugiyama. 1997. Differential expression of two genes for sucrose phosphate synthase sugarcane: molecular cloning of the cDNAs and comparative analysis of gene expression. Plant Cell Physiol. 38(8): 961-965.
- Sugiyono., Dewi P S., Prasetyo R. 2021. Banana Cultivars Microshoor Induction and Planlet Formation Using Cytokinin and Auxin. Caraka Tani: Journal of Sustainable Agriculture. 36(2): 249-258.
- Tak K M., Kumar V., Attar S. 2014. Studies on Characterization of Banana cv. Grand Naine. LAP LAMBERT Academic Publishing, Saarbrucken.
- Tripathi L., Tripathi J N., d'A Hughes J. 2005. *Agrobacterium* mediated transformation of plantain (*Musa* spp.) cultivar Agbagba. Afr J Biotechnol. 4(13): 78-83.
- Tripathi L., Tripathi J N., & Tushemereirwe K. 2008. Rapid and efficient production of transgenic East African Highland Banana (*Musa* spp.) using intercalary meristematic tissues. African Journal of Biotechnology. 7(10): 1438-1445.
- Tripathi, L. 2011. Biotechnology in *Musa* Improvement. In: M. Pillay and A. Tenkouano (Eds.). Banana Breeding: Progress and Challenges. CRC Press, Boca Raton, p: 219-236.
- Vishnevetsky J., White T L., Palmateer A J., Flaishman M., Cohen Y., Elad Y., Velcheva M., Hanania U., Sahar N., Dgani O., & Perl A. 2011. Improved tolerance toward fungal diseases in transgenic Cavendish banana (*Musa* spp. AAA group) cv. Grand Nain. Transgenic Research. 20: 61-72.
- Wang Z., Miao H., Liu J., Xu B., Yao X., & Xu C. 2019. *Musa balbisiana* genome reveals subgenome evolution and functional divergence. Nature Plants. 5 : 810–821.

- Wiendy, N M A. 2011. Rekayasa Genetika Tanaman. *In*: G. A Wattimena., A. M. Nurhajati., N. M. A. Wiendi., A. Purwito., D. Efendi., B. S. Purwoko., and N. Khumaida. Bioteknologi dalam Pemuliaan Tanaman. IPB Press, Bogor, p: 193-261.
- Worrell A.C., Bruneau J.-M., Summerfelt K., Boersig M., Voelker T.A. 2007. Expression of a Maize Sucrose Phosphate Synthase in Tomato Alters Leaf Carbohydrate Partitioning. *Plant Cell*. 3:1121.
- Yadav S K., Katikala S., Yellisetty V., Kannepalle A., Narayana J K., Maddi V., Mandapaka M., Shanker A K., Bandi V., & bharadwaja K P. 2012. Optimization of *Agrobacterium* mediated genetic transformation of cotyledonary node explants of *Vigna radiata*. *SpringerPlus*. 1(59).
- Zhong, G. 2007. Establishment of High Efficient Regeneration System of *Lilium* and *Agrobacterium*-mediated Genetic Transformation. Thesis, Southwest University Press.
- Zhou J., Wang C., Liu X., and Tan Y. 2011. A study on improving regeneration rate of *Agrobacterium*-mediated callus of mature embryo for indica rice. *Chin. Agric. Sci. Bull*. 27: 1–5.