

DAFTAR PUSTAKA

- Adam, P.B. 2011. Systematic of Dendrobinae (Orchidaceae), with Special Reference to Australian Taxa. *Bot. J. Linnean Soc.* 166: 105-126.
- Allikas, G. 2009. Epiphyte or Terrestrial? Sympodial or Monopodial?. The American Orchid Society Beginners" Newsletter. <http://www.aosforum.org/newsletters/pages/aug09.html>. Accessed on July 15 2020.
- Aoyama, T. and Chua, N.H., 1997, A glucocorticoid-mediated transcriptional induction system in transgenic plants, *The Plant Journal* 11(3): 605-612.
- Arditti, J. 1992. *Fundamentals of Orchid Biology*. John Wiley & Sons, Inc. USA. pp.55-279
- Bhatia S., Bera, T., 2015. Chapter 6 - Somatic Embryogenesis and Organogenesis. *Modern Applications of Plant Biotechnology in Pharmaceutical Sciences*. pp. 209-230. DOI: 10.1016/B978-0-12-802221-4.00006-6.
- Bhattacharyya, P., S. Kumaria, N. Job, P. Tandon. 2016. *En-masse* production of elite clones of *Dendrobium crepidatum*: A threatened, medicinal orchid used in Traditional Chinese Medicine. *J Appl Res Med Aromat Plants*. 3: 186-176.
- Breuninger, H, E. Rikirsch, M. Hermann, M. Ueda, and T. Laux. 2008. Differential Expression of WOX Genes Mediates Apical-Basal Axis Formation in the *Arabidopsis* Embryo. *Dev Cell*. 14: 867–876.
- Chadburn, H., & Schuiteman, A. 2018. *Dendrobium lineale*. *The IUCN Red List of Threatened Species 2018*:e. T119256882A119263048. <https://dx.doi.org/10.2305/IUCN.UK.20182.RLTST119256882A119263048.en>. Downloaded on May 29 2020
- Chardin, C., T. Girin, F. Roudier, C. Meyer, and A. Krapp. 2014. The Plant RWPRK Transcription Factors: Key Regulators of Nitrogen Responses and of Gametophyte Development. *Journal of Experimental Botany*, 65(19): 5577– 5587.
- Chuanjun, X., Zhiwei, R., Ling, L., Biyu, Z., Junmei, H., Wen, H., Ou, H., 2015. The Effect of Polyphenol Oxidase and Cycloheximide on the Early Stage of Browning in *Phalaenopsis* Explants. *Horticultural Plant Journal*. 1(3), 172-180.

- Chung, H. H., J. T. Chen, W. C. Chang. 2007. Plant Regeneration Through Direct Somatic Embryogenesis from Leaf Explants of *Dendrobium*. *Biologia Plantarum*. 51 (2): 346-350.
- CITES. 2019. *Dendrobium lineale* Rolfe
http://checklist.cites.org/#/en/search/output_layout=alphabetical&level_of_listing=0&show_synonyms=1&show_author=1&show_english=1&show_spanish=1&show_french=1&scientific_name=Dendrobium+lineale&page=1&per_page=20. Accessed on May 27 2020.
- Clark, D. P., and Pazdernik, N. J. 2013. Polymerase Chain Reaction. *Molecular Biology*, 55 – 61. doi:10.1016/b978-0-12-378594-7.00030-5.
- Clark, D. P., and Pazdernik, N. J. 2013. Polymerase Chain Reaction. *Molecular Biology*, 55 – 61. doi:10.1016/b978-0-12-378594-7.00030-5.
- Dalila, Z. D., J. Hafsah, Z. Rokiah, K. Rodziah and M. N. Madiah. 2015. Thidiazuron Induces High Frequency Direct Somatic Embryogenesis Growth from Cotyledon Culture of *Eurycoma longifolia*. *Sains Malaysiana*. 44(7): 913–920.
- Darmono, D.W. 2007. *Bertanam Anggrek*. Cetakan. 5. Penebar Swadaya. Jakarta. 76 hal.
- De, LC, Rao AN, Rajeeva PK, Srivastava M. 2015. Morphological characterization in *Dendrobium spescies*. *J Biosci*. 4 (1): 1198-1215.
- Deepa, V. A., Anju, M., dan Thomas, D. D. 2018. The Application of TDZ in Medicinal Plant Tissue Culture. pp. 297-316. Ahmad, N., Faisal, M. (Eds). *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Nature. Singapore.
- Deo, C. P., Tyagi, P. A., Taylor, M., Harding, R., Bercker, D., 2010. Factors affecting Somatic Embryogenesis and Transformation In Modern Plant Breeding. *The South Pasific Journal of Natural and Applied Sciences*. 28: 27-40
- Dinani, T. E., Shukla, R. E., Turi, E. C., Sullivan, A. J., Saxena, K. P., 2018. Thidiazuron: Modulator of Morphogenesis In Vitro. pp.1-11. Ahmad, N., Faisal, M. (Eds). *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Nature. Singapore.
- Fatchiyah, Arumningtyas, E, L., Widyarti, S., Rahayu, S, 2001. *Biologi Molekular: Prinsip Dasar Analisis*. 191 hal. Erlangga: Jakarta.

- Febriyanti N., L., P., K. 2020. Analisis Fungsional Gen Embrio pada Tanaman *Dendrobium lineale* Rolfe Pembawa 35S::GR::AtRKD4. (Tesis). Universitas Gadjah Mada: Yogyakarta.
- Gow, -P.W., Chung, -H. H., Chen, J. -T., Chang, W. -C., 2018 Factor affecting Thidiazuron-Induced Direct Somatic Embryogenesis of *Phalaenopsis aprodhite*. pp.317-341. Ahmad, N., Faisal, M. (Eds). *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Nature. Singapore.
- Haecker, A, R. Gross-Hardt, B. Geiges, A. Sarkar, H. Breuninger, M. Herrmann, and T. Laux. 2004. Expression dynamics of *WOX* genes mark cell fate decisions during early embryonic patterning in *Arabidopsis thaliana*. *Development*. 131: 657–668.
- Hartati, S dan Darsana, L. 2015. Karakterisasi Anggrek Alam secara morfologi dalam Rangka Pelestarian Plasma Nutfah. *J. Agro Indonesi*, 43 (2): 133 – 139
- Hew, C.S. and J.W.H. Yong. 2004. *The Physiology of Tropical Orchids in Relation to The Industry*, Second Edition. World Scientific. 370 page.
- Horstman, A., M. Bemer and K. Boutilier. 2017. A Transcriptional View on Somatic Embryogenesis. *Regeneration*. 4:201–216.
- Huma Ali, Mubarak Ali Khan, Waqas Khan Kayani, Tariq Khan, Zia-ur-Rehman Mashwani, Nazif -Ullah, Raham Sher Khan, 2018. Thidiazuron Regulated Growth, Secondary Metabolism and Essential Oil Profiles in Shoot Cultures of *Ajuga bracteosa*. *Industrial Crops & Products*, 121:418-427.
- Krikorian, A. D. 1982. Cloning higher plants from aseptically cultured tissues and Cells. *Biol. Rev.* 57: 151–218.
- Lang N.T., Hang, N. T., 2006. Omonrice using Biotechnological approaches for *Vanda* orchid improvement. *J Plant Biochem* 14:140e3.
- Latif, S. M. 1990. *Bunga Anggrek Permata Belantara Indonesia*. Sumur Bandung. Bandung. 444 pages.
- Leng, P., -S., Su, S., 2009. Correlation between Browning, Total Phenolic Content, Polyphenol Oxidase and several Antioxidation Enzymes during Pistachio Tissue Culture. *Acta Horticulturae* DOI:10.17660/ActaHortic.2009.829.17.

- Li, D., Deng, Z., Liu, C., Zhao, M., Guo, H., Xia, Z., Liu. H., 2014. Molecular Cloning, Expression Profiles, and Characterization of a Novel Polyphenol Oxidase (PPO) Gene in *Hevea brasiliensis*. *Biosci Biotechnol Biochem.* 23
- Maruyama, T. E. and Y. Hosoi. 2019. Progress in Somatic Embryogenesis of Japanese Pines. *Front Plant Sci.* 10: 31.
- Millar, A. 1978. Orchids of Papua New Guinea. Canberra. Australian National University Press. 8-10 Page.
- Mohanraj, R., 2018. Role of Thidiazuron in Tissue Culture of Orchid. pp.455-461. Ahmad, N., Faisal, M. (Eds). *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer Nature. Singapore.
- Mursyanti, E., Purwantoro, A., Moeljopawiro, S., and Semiarti, E., 2016. Micropropagation of mini orchid hybrid *Phalaenopsis* “Sogo Vivien”, *Journal of Tropical Biodiversity and Biotechnology*, 1: 45-53.
- Park, C. J., P. E. Canlas, and P. C. Ronald. 2012. Establishment of Glucocorticoid - Mediated Transcriptional Induction of the Rice XA21 Pattern Recognition Receptor. *J Plant Biol.* 55(1): 43-49.
- Pridgeon Alec M., Cribb Phillip J., Chase Mark W., Rasmussen Finn. 2014. *Genera Orchidacearum Vol. 6 Epidendroideae (Part three)*. Oxford University Press: UK.
- Pridgeon, A. 1992. *The Illustrated Encyclopedia of Orchids*. Oregon: Timber Press, Inc.
- Rocha, D.I., Kurczyńska, E., Potocka, I., Steinmacher, D.A., Otoni, W.C. 2016. Histology and histochemistry of somatic embryogenesis. pp. 471-494. In V.M. Loyola-Vargas dan Ochoa-Alejo (eds). *Somatic Embryogenesis: Fundamental Aspects and Applications. Vol. 1*. Springer International Publishing. Switzerland.
- Schuiteman A. 2010. Orchid in Indonesia and Their Conservation. *Prosiding The 2010 International Seminar on Orchid Conservation and Agribusiness*. 27 Oktober 2010. Yogyakarta.
- Semiarti, E., Indrianto, A., Purwantoro, A., Machida, Y., and Machida, C. 2011. Agrobacterium-Mediated Transformation of Indonesian Orchids for Micropropagation. pp. 215-240. In Alvarez, M. (Ed) *Genetic transformation*. Intech, Croatia.

- Semiarti, E., Indrianto, A., Purwantoro, A., Suseno, N., Isminingsih, S., Yoshioka, Y., Iwakawa, H., Machida, Y., dan Machida C. 2007. Agrobacterium-mediated transformation of the wild orchid species *Phalaenopsis amabilis*. *Plant Biotechnology*, 24(3): 265–272.
- Shires, M. E., Florez, S. L., Lai, T. S., Curtis, W. R., 2017. Inducible Somatic Embryogenesis in *Theobroma cacao* Achieved using the DEX-Activable Transcription Factor-Glucocorticoid Receptor Fusion. *Biotechnol Lett.* 39:1747-1755
- Soomin, P. and Harada, J., J., 2008. Arabidopsis Embryogenesis. pp. 1-11. M.F Suarez & P.V Bozhkov.(eds.) *Plant Embryogenesis: Method in Molecular Biology 1sted.* Humana Press.
- Steenis V., C.G.G.J. 2006. *Flora*, Terj. Dari Flora, oleh Surjowinoto, M. Pradnya Pramita: Jakarta. Hal. 486
- Tang, L. P., Zhang, X. S., Su, H. Y., 2020. Regulation of Cell Reprograming by Auxin during Somatic Embryogenesis. *aBIOTECH.* 1:185-193.
- Von Arnold, S., I. Sabala, P. Bozhkov, J. Dyachok, and L. Filonova. 2002. Developmental Pathways of Somatic Embryogenesis. *Plant Cell, Tissue and Organ Culture.* 69(3): 233-249.
- Waki, T., Hiki, T., Watanabe, R., Hashimoto, T., and Nakajima, K. 2011. The *Arabidopsis* RWP-RK Protein RKD4 Triggers Gene Expression and Pattern Formation in Early Embryogenesis. *Current Biology.* 21 (15): 1277–1281.
- Widayati, A.W. 2019. Karakterisasi Gen *RKD4* Homolog Pada Kultur *In Vitro* Anggrek *Dendrobium Lineale* Rolfe. (Tesis). Universitas Gadjah Mada: Yogyakarta.
- Widiastoety, D., Solvia, N., Soedarjo, M. 2010. Potensi Anggrek *Dendrobium* dalam Meningkatkan Variasi dan Kualitas Anggrek Bunga Potong. *Jurnal Litbang Pertanian.* 29(3): 101–106.
- Williams, C. A., 1979. The Leaf Flavonoids of the *Orchidaceae*. *Phytochemistry.* 18(5): 803–813.
- Yamaguchi, N., C.M. Winter, F. Wellmer, and D. Wagner. 2015. Identification of Direct Targets of Plant Transcription Factors Using the GR Fusion Technique. *Methods Mol Biol.* 284, 123-38.

Yelnititis. 2013. Induksi Embrio Somatik *Shorea pinanga* Scheff. pada Kondisi Fisik Media Berbeda. *Jurnal Pemuliaan Tanaman Hutan*. 7(2): 73 – 84.

Zulwanis. 2020. Analisis Ekspresi Gen *AtRKD4* pada Anggrek *Dendrobium Phalaenopsis* Fitzg. Transgenik Selama Induksi Embriogenesis Somatik. (Tesis). Universitas Gadjah Mada: Yogyakarta.