

DAFTAR PUSTAKA

- Aoyama T, Chua NH. 1997. A glucocorticoid-mediated transcriptional induction system in transgenic plants. *Plant J.* doi:10.1046/j.1365-313X.1997.11030605.x.
- Arditti J. 1980. Aspects of the Physiology of Orchids. *Adv Bot Res.* doi:10.1016/S0065-2296(08)60091-9.
- Chai ML, Xu CJ, Senthil KK, Kim JY, Kim DH. 2002. Stable transformation of protocorm-like bodies in *Phalaenopsis* orchid mediated by *Agrobacterium tumefaciens*. *Sci Hortic (Amsterdam)*. doi:10.1016/S0304-4238(02)00084-5.
- Cribb PJ. 1983. A Revision of *Dendrobium* sect. *Latouria* (Orchidaceae). *Kew Bull.* doi:10.2307/4108109.
- Cribb PJ. 1986. A Revision of *Dendrobium* sect. *Spatulata* (Orchidaceae). *Kew Bull.* doi:10.2307/4103119.
- van den Elzen PJM, Townsend J, Lee KY, Bedbrook JR. 1985. A chimaeric hygromycin resistance gene as a selectable marker in plant cells. *Plant Mol Biol.* doi:10.1007/BF00020627.
- Gantait S, Sinniah UR. 2012. Rapid micropropagation of monopodial orchid hybrid (Aranda Wan Chark Kuan “Blue” × *Vanda coerulea* Griff. ex. Lindl.) through direct induction of protocorm-like bodies from leaf segments. *Plant Growth Regul.* doi:10.1007/s10725-012-9698-y.
- Harada JJ, Belmonte MF, Kwong RW. 2010. Plant Embryogenesis (Zygotic and Somatic). In: *Encyclopedia of Life Sciences*.
- Hartati S, Darsana L. 2015. Karakterisasi Anggrek Alam secara Morfologi dalam Rangka Pelestarian Plasma Nutfah. *J Agron Indones (Indonesian J Agron)*. doi:10.24831/jai.v43i2.10419.
- Hoesen DSH, Witjaksono, Sukanto L. 2008. Induksi Kalus Dan Organogenesis Kultur In Vitro *Dendrobium lineale* Rolfe. *Ber Biol.*
- Hoque ME, Mansfield JW. 2004. Effect of genotype and explant age on callus induction and subsequent plant regeneration from root-derived callus of *Indica* rice genotypes. *Plant Cell Tissue Organ Cult.* doi:10.1023/B:TICU.0000025640.75168.2d.
- Ikeda M, Umehara M, Kamada H. 2006. Embryogenesis-related genes; Its expression and roles during somatic and zygotic embryogenesis in carrot and *Arabidopsis*. *Plant Biotechnol.* doi:10.5511/plantbiotechnology.23.153.
- Kang HG, Fang Y, Singh KB. 1999. A glucocorticoid-inducible transcription

system causes severe growth defects in *Arabidopsis* and induces defense-related genes. *Plant J.* doi:10.1046/j.1365-313X.1999.00575.x.

Koi S, Hisanaga T, Sato K, Shimamura M, Yamato KT, Ishizaki K, Kohchi T, Nakajima K. 2016. An Evolutionarily Conserved Plant RKD Factor Controls Germ Cell Differentiation. *Curr Biol.* doi:10.1016/j.cub.2016.05.013.

Köszegi D, Johnston AJ, Rutten T, Czihal A, Altschmied L, Kumlehn J, Wüst SEJ, Kirioukhova O, Gheyselinck J, Grossniklaus U, *et al.* 2011. Members of the RKD transcription factor family induce an egg cell-like gene expression program. *Plant J.* doi:10.1111/j.1365-313X.2011.04592.x.

Kou Y, Yuan C, Zhao Q, Liu G, Nie J, Ma Z, Cheng C, Teixeira da Silva JA, Zhao L. 2016. Thidiazuron triggers morphogenesis in *Rosa canina* L. protocorm-like bodies by changing incipient cell fate. *Front Plant Sci.* doi:10.3389/fpls.2016.00557.

Kull T, Arditti J, Wong SM. 2009. Orchid biology: Reviews and perspectives, X.

Kumar N. 2011. In vitro Plant Propagation: A Review. *J For Environ Sci.*

López-Calcano PE, Fisk S, Brown KL, Bull SE, South PF, Raines CA. 2019. Overexpressing the H-protein of the glycine cleavage system increases biomass yield in glasshouse and field-grown transgenic tobacco plants. *Plant Biotechnol J.* doi:10.1111/pbi.12953.

Mohebodini M, Javaran MJ, Mahboudi F, Alizadeh H. 2011. Effects of genotype, explant age and growth regulators on callus induction and direct shoot regeneration of Lettuce (*Lactuca sativa* L.). *Aust J Crop Sci.*

Mulgund GS, Nataraja K, Malabadi RB, Vijaya Kumar S. 2011. TDZ induced in vitro propagation of an epiphytic orchid *Xenikophyton smeeanum* (Reichb. f.). *Res Plant Biol.*

Mursyanti E, Purwantoro A, Moeljopawiro S, Semiarti E. 2016. Induction of Somatic Embryogenesis through Overexpression of *ATRKD4* Genes in *Phalaenopsis* “Sogo Vivien.” *Indones J Biotechnol.* doi:10.22146/ijbiotech.15276.

Nayak NR, Rath SP, Patnaik S. 1997. In vitro propagation of three epiphytic orchids, *Cymbidium aloifolium* (L.) Sw., *Dendrobium aphyllum* (Roxb.) Fisch. and *Dendrobium moschatum* (Buch-Ham) Sw. through thidiazuron-induced high frequency shoot proliferation. *Sci Hortic (Amsterdam).* doi:10.1016/S0304-4238(97)00075-7.

Ozyigit II, Kahraman MV, Ercan O. 2007. Relation between explant age, total phenols and regeneration response in tissue cultured cotton (*Gossypium hirsutum* L.). *African J Biotechnol.* doi:10.5897/AJB07.393.

Park S-Y, Huh Y-S, Paek K-Y. 2018. Common Protocols in Orchid

Micropropagation.

- Quiroz-Figueroa FR, Rojas-Herrera R, Galaz-Avalos RM, Loyola-Vargas VM. 2006. Embryo production through somatic embryogenesis can be used to study cell differentiation in plants. *Plant Cell Tissue Organ Cult.* doi:10.1007/s11240-006-9139-6.
- Semiarti E, Indrianto A, Purwantoro A, Machida Y, Machi C. 2011. *Agrobacterium*-Mediated Transformation of Indonesian Orchids for Micropropagation. In: *Genetic Transformation*.
- Semiarti E, Mursyanti E, Suyoko A, Perdana FSW, Widyastuti CT, Subchan AN. 2018. Stability of T-DNA Integration in *Phalaenopsis* “Sogo Vivien” Transgenic Orchid Carrying 35S::Gal4::*AtRKD4*::GR. *Biol Med Nat Prod Chem.* doi:10.14421/biomedich.2018.71.5-13.
- Setiari N, Purwantoro A, Moeljopawiro S, Semiarti E. 2018. Micropropagation of *Dendrobium phalaenopsis* orchid through overexpression of embryo gene *AtRKD4*. *Agrivita.* doi:10.17503/agrivita.v40i2.1690.
- Shi XQ, Guo WC, Wan PJ, Zhou LT, Ren XL, Ahmat T, Fu KY, Li GQ. 2013. Validation of reference genes for expression analysis by quantitative real-time PCR in *Leptinotarsa decemlineata* (Say). *BMC Res Notes.* doi:10.1186/1756-0500-6-93.
- Smith RH. 2013. *Plant Tissue Culture*.
- Stolarz A, Macewicz J, Lörz H. 1991. Direct somatic embryogenesis and plant regeneration from leaf explants of *Nicotiana tabacum* L. *J Plant Physiol.* doi:10.1016/S0176-1617(11)80144-6.
- Sumontip B, Warisa P. 2012. *Agrobacterium*-mediated transformation of *Dendrobium chrysotoxum* Lindl. *African J Biotechnol.* doi:10.5897/ajb11.1939.
- Sutopo, L. PSL. 2012. In vitro propagation of *Dendrobium* and *Phalaenopsis* through tissue culture for conservation. *Agrivita J Agric Sci.*
- Tian L, Canli FA, Wang X, Sibbald S. 2009. Genetic transformation of *Prunus domestica* L. using the *HPT* gene coding for hygromycin resistance as the selectable marker. *Sci Hortic (Amsterdam).* doi:10.1016/j.scienta.2008.08.024.
- Tzfira T, Citovsky V. 2008. *Agrobacterium: From biology to biotechnology*.
- Waki T, Hiki T, Watanabe R, Hashimoto T, Nakajima K. 2011. The arabidopsis RWP-RK protein RKD4 triggers gene expression and pattern formation in early embryogenesis. *Curr Biol.* doi:10.1016/j.cub.2011.07.001.
- Wang H, Zhou Y, Gilmer S, Whitwill S, Fowke LC. 2000. Expression of the plant cyclin-dependent kinase inhibitor ICK1 affects cell division, plant growth and morphology. *Plant J.* doi:10.1046/j.1365-313X.2000.00899.x.

- Widiasteoty D, Solvia N, Soedarjo M. 2010. Potensi Anggrek *Dendrobium* dalam meningkatkan kualitas dan variasi bunga anggrek potong. *J Penelit dan Pengemb Pertan*.
- Yang X, Zhang X. 2010. Regulation of somatic embryogenesis in higher plants. *CRC Crit Rev Plant Sci*. doi:10.1080/07352680903436291.
- Yeung EC, Li Y-Y, Lee Y-I. 2018. Understanding Seed and Protocorm Development in Orchids.
- Zheng Z, Hayashimoto A, Li Z, Murai N. 1991. Hygromycin resistance gene cassettes for vector construction and selection of transformed rice protoplasts. *Plant Physiol*. doi:10.1104/pp.97.2.832.