

DAFTAR PUSTAKA

- Abidin, Z., 1983. *Dasar-dasar pengetahuan tentang ZPT*. PT. Angkasa, Bandung.
- Ammirato, P.V., 1983. Embryogenesis. In Evans, D.A., W.R. Sharp, P.V. Ammirato and Y. Yamada (eds.). *Hand book of plant cell culture (1)*. Techniques for propagation and breeding. Mc. Millan. New York. P. 82 – 90.
- Anonymous., 2009. *IUCN Red List* http://www.arkive.org/sandalwood/santalum_album#src=portletV3api) diakses Juli 2014.
- Anonymous., 2010., *Buku Panduan Teknik Budidaya Cendana*. Badan Penelitian dan Pengembangan Kehutanan (BPPH). Kupang.
- Anonymous., 2011., *Masterplan Pengembang dan Pelestarian Cendana Provinsi Nusa Tenggara Timur tahun 2010-2030*. Balai Penelitian Kehutanan. Kupang.
- Ainsley, P.J., F.A. Hammerschlag, T. Bertozzi, G.G. Collins & M. Sedgley. 2001. Regeneration of Almond from immature seed cotyledons. *Plant Cell Tissue and Organ Culture*.67: 221 – 226.
- Blanc, G., N. Michaux-Ferriere, C. Teisson, L. Lander and M.P. Carron. 1999. Effect of carbohydrate addition on the induction of somatic embryogenesis in *Hevea brasiliensis*. *Plant Cell Tissue Culture and Organ Culture*.59 : 103 – 112.
- Bell, L.M., R.N Trigiano, and B.V. Conger. 1993. Relation of Abscisic acid to somatic embryogenesis in *Dactylis glomerata*. *Environmental and Experimental Botany*. 33: 495-499.
- Capuana, M. and P. C Debergh. 1997. Improvement of the maturation and germination of *horse ches* somatic embryo. *Plant Cell Tissue and Organ Culture*.48: 23-29.
- Chithra, A. and P. Khurana. 2002. Gene Expression During Somatic Embryogenesis-Recent Advances. *Current Science*. 80(6); 715-718.
- Daisy, P. S. H., A. Wijayani., 1994. *Teknik kultur jaringan Pengenalan dan petunjuk perbanyakan tanaman secara vegetatif modern*. Penerbit Kanisius, Yogyakarta.
- Dudits, D. J. G., L. Bogle and L. Bako. 1995. Somatic embryogenesis in woody plants In Thorpe, T.A (ed) *In vitro embryogenesis in plants*. Kluwer Acad.

- Davies, P. J. 1995. *Plant hormones: Physiology, Biochemistry and Molecular Biology*. Kluwer Academic Publishers. Netherlands.
- Evans, D. E., Coleman, J.O.D., Kearns, A., 2003., *Plant Cell Culture*. BIOS Scientidic Publishers. New York.
- Gamborg, D. L and J. P Shylluk, 1981. Nutrition Media and Characteristic of plant cell and tissue culture method and application in Agriculture. Ed. THORPE.T. A. *Academic Press*. New York-London-Sydney-San Fransisco.
- George E. F and P. D Sherington, 1984. *Plant Propagation by Tissue culture*. Part 1. P 184-382. Exergetics Ltd, Edington, Wilts, England.
- Gunawan, L.W., 1987. *Teknik kultur jaringan*. Laboratorium Kultur Jaringan Tanaman. Pusat Antar Universitas (PAU) Bioteknologi. Institut Pertanian Bogor. Bogor.
- George E. F., Hall M. A., Jan De Clerk G. 2008. Plant propagation by tissue culture 3rd edition. Vol 1. The background. *Springer*. 183-197.
- Hayati, S. K., Y. Nurchayati, N. Setiari, 2010. Induksi kalus dari hipokotil Alfalfa (*Medicago sativa* L.) secara in vitro dengan penambahan Benzyl Amino Purine (BAP) dan α -Naptalene Acetic Acid (NAA). *Bioma* 12 : 6-12.
- Hartmann, H.T, Kester D.E., Davies, F.T, Geneve, R.L., 2002. *Plant Propagation Principal and Practise*. Pearson Education Inc. New Jersey: Upper Saddle River.
- Hagio T., 2002. Adventitious shoot regeneration from immature embryo of *Shorgum*. *Plant Cell Tissue and Organ Culture* 68:65-72.
- Huetteman, C.A and J.E Preece. Thidiazuron : a potent cytokinin for woody plant tissue culture. *Plant Cell Tissue and Organ Culture* 33 : 105 – 119.
- Herawan, T. M. Na'iem. G. Sulaksono., 2003. Pengaruh penggunaan media dan zat pengatur tumbuh pada perbanyakan cendana (*Santalaum album* Linn.) secara kultur jaringan. *Jurnal Pemuliaan Tanaman Hutan*. 1(2): 55-70.
- Irvine J.E., Fitch M. and Moore P.H. 1983. The induction of callus in sugarcane tissue culture by selected chemicals. *Plant Cell Tissue Culture Letters* 10:38-44.

- Ignacimuthu, S., S. Arockiasamy, M. Antonysamy and P. Ravichandran., 1999. Plant Regeneration through somatic embryogenesis from leaf explant of *Eringium foetidum*, a condiment. *Plant Cell Tissue and Organ Culture* 56 : 131-137.
- Indrianto, A., 2003. *Kultur Jaringan Tumbuhan*. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.
- Imaseki, H. 1985. *Hormonal control of wound-induced responses*. In: Pharis, R.P. and Reid, D.M. (Eds.) *Hormonal Regulation of Development*. Springer. Berlin Heidelberg. New York.
- Iwase, A., Mitsuda, N., Koyama, T., Hiratsu, K., Kojima, M., Arai, T., Inoue, Y., Seki, M., Sakakibara, H., Sugimoto, K., and Ohme-Takagi, M. 2011. The AP2/ERF transcription factor *WIND1* controls cell dedifferentiation in *Arabidopsis*. *Current Biology* 21: 508-514.
- Justice, O. L., dan L. N. Bass., 1994. *Prinsip dan Praktek Penyimpanan Benih* Diterjemahkan oleh Rennie Roesli dari Principles dan Practice of Seed Storage. PT Raja Grafindo Persada. Jakarta.
- Kamil, H. And M.I.J. Umboh. 1990. Root induction of *Santalum album* by using IBA and NAA. Proc. The Symposium on Biotechnology for Forest Tree Improvement. Bogor, 21-23 March 1990. *Biotrop Special Publication* No. 49.
- Kamada H., Ishikawa K., Saga H., Harada H. 1993. Induction of somatic embryogenesis in carrot by osmotic stress. *Plant Tissue Culture Letters* 10: 38-44.
- Kharisma., 1994. *Kombinasi Uji Keturunan dan Uji Sumber Benih Cendana Tingkat Semai*. Thesis Kehutanan Program S2. Pasca Sarjana Universitas Gadjah Mada Yogyakarta. (tidak dipublikasikan).
- Kusumo, S., 1990. *Zat Pengatur Tumbuh*. CV. Yasaguna, Bogor.
- Kumar, H. G. A., H. N. Murthy and K. Y. Pack. 2002. Somatic embryogenesis and plant regeneration in *Gymnema sylvestre*. *Plant Cell Tissue and Organ Culture* 71 : 85-88.
- Kamil, J. 1991. *Teknologi Benih I*. Universitas Andalas, Padang.
- Lee, K.S., J.C. Lee and W.Y. Soh., 2002. High frequency plant regeneration from *Aralia cordata* somatic embryos. *Plant Cell Tissue and Organ Culture* 68 : 241-246.

- Li Y., Wu Y.H., Hagen G., Giulfoyle T. 1999. Expression of the auxin- inducible GH-3 promotor/GUS fusion gene as a useful molecular marker for auxin physiology. *Plant Cell Physiology* 40: 675-682.
- Lina, F.R., Ratnasari, E., Wahyono, R. 2013. Pengaruh 6-benzylamino purine (BAP) dan 6-furfuryl amino purine (Kinetin) pada media MS terhadap pertumbuhan eksplan ujung apikal tanaman jati secara in vitro. *Lentera Bio*. ISSN 2252-3979.
- Ludford, P.M. 1990. *Postharvest Hormone Change in Vegetables and Fruits*. In: Davies, P.J. (ed). *Plant Hormone and Their Role in Plant Growth and Development* . Kluwer Ac. Press Pub. Boston-London. 574-592.
- Mattsson, J., Z. R. Sung, and T. Berleth. 1999. Responses of Plant Vascular System to Auxin Transport Inhibition. *Development*. 126: 2979-2991.
- McWilliam, A., 2005. *Haumeni, Not Many: Renewed Plunder and Mismanagement in the Timorese Sandalwood Industry*. *Modern Asian Studies*, 39 (2), 285-320.
- Meagher, M.G and J. Green. 2002. Somatic embryogenesis and plant regeneration from immature embryos of Saw palmetto, an important landscape and medical plant. *Plant Cell Tissue and Organ Culture*. 68: 253-256.
- Nurgent, G., S.F. Chandler, P. Whitemean and T.W. Stevenson. 2001. Somatic embryogenesis in Eucalyptus globulus. *Plant Cell Tissue and Organ Culture*. 67 : 85 – 88.
- Pierik, R.L., 1987. *In vitro culture of higher plant*. Martinus Nijhooff Publisher, Netherland.
- Purnamaningsih, R., 2002. *Regenerasi Tanaman melalui Embriogenesis Somatik dan Beberapa Gen yang Mengendalikannya*. Balai Penelitian Bioteknologi dan Sumberdaya Genetik Pertanian. Buletin Agrobio.
- Rudjiman., 1987. *Santalum album* Linn. *Taksonomi dan model arsitekturnya*. Makalah pada diskusi cendana 18 Juli 1987. Di Kampus UGM.Yogyakarta.
- Rughla, A., M.G.K. Jones., 1998. Somatic embryogenesis and plantlet formation in *Santalum album* and *S. spicatum*. *Journal of Experimental Botany*, 49 (320); 563-571.



- Rahayu, S., A.H. Wawo, van Noordwijk M, dan Hairiah, K. 2002. *Cendana: Deregulasi dan Strategi Pengembangannya*. Bogor: World Agroforestry Centre (ICRAF).
- Rao, M.N., Soneji. J.R., Sudarshana.P., 2011. *Santalum*. Wild Crop Relatives: Genomic and Breeding Resources. Forest Tress.
- Suryowinoto., M. 1991. *Pemuliaan tanaman secara in-vitro*. Kerjasama pusat antar univesitas-Bioteknologi, Universitas Gadjah Mada, Yogyakarta.
- Salisbury, F.B., Ross C.W., 1995. *Fisiologi Tumbuhan Jilid 3*. Bandung. ITB.
- Shimizu, K., Nagaïke., T. Yobuya. And T. Edachi. 1997. Plant regeneration from suspension culture of *Iris germica*. *Plant Cell Tissue and Organ Culture* 50: 27-31.
- Sanjaya., Muthan. B., Rathore. T.S., Rai. V.R., 2006., Micropropagation of an endangered Indian Sandalwood (*Santalum album* L.). *The Japanese Forest Society and Springer-Verlag Tokyo*.
- Sagare, A.P., K. Suhasini and K.V. Krishna murthy. 1993. *Plant regeneration via somatic embyogenesis in chick pea (Cicer arietinum L.)* . *Plant Cell Report* 12 : 652-655.
- Singh, C.K., Raj, S.R., Patil, V.R., Jaiswal, P.S., 2013. Plant regeneration from leaf explant of mature sandalwood (*Santalum album* L.) trees under *in vitro* conditions. *The Society for In vitro Biology*. 49. 222-246.
- Soedjoko., 1987. *Strategi pengembangan dan penelitian tanaman cendana di Indonesia*. Fakultas kehutanan, Universitas Gadjah Mada, Yogyakarta.
- Stella, A. and M.R. Braga. 2002. Callus and cell suspension cultures of *Rudgea jasminoides*, a tropical woody Rubiaceae. *Plant Cell Tissue and Organ Culture* 68: 271 - 278.
- Sukmadjaja, D., 2005. *Embriogenesis somatik langsung pada tanaman cendana*. Balai Besar Penelitian dan Pengembangan Bioteknologi dan Sumberdaya Genetik Pertanian. Bogor. Indonesia.
- Surata, I.K., 2004. *Teknik Budidaya Cendana.*, Badan Penelitian dan pengembangan Kehutanan. Pusat Penelitian dan Pengembangan Hutan dan Konsevasi Alam. Balai Penelitian dan Pengembangan Kehutanan Bali dan Nusa Tenggara. ISSN: 1410-1009.

- Surachman, D., 2011. Teknik pemanfaatan air kelapa untuk perbanyak Nilam secara *In vitro*. *Buletin teknik pertanian*. 16: 31-33.
- Sulistiani, E., Yani, S.A., 2012. *Produksi bibit tanaman dengan menggunakan teknik kultur jaringan*. Seameo Biotrop. Bogor.
- Somleva, M.M., V. Kapchina, V. Alexieva, and E. Golovinsky. 1995. Antycytokinin Effects on *In vitro* Response of Embryogenic and Nonembryogenic Genotype of *Dactylis glomerata L.* *Plant Growth Regulation*. 16: 109-112.
- Thomas, J.C., Katterman, E.R., 1986. Cytokinin activity induced by TDZ. *Plant Physiol* 81:681–683.
- Tao H., P. Shaolin., D. Gaofeng., Z. Lanying and L. Gengguang. 2002. Plant regeneration from leaf-derivat callus in *Citrusgrandis* (Pummelo); effect of auxins in callus induction medium. *Plant Cell Tissue and Organ Culture* 69:141-146.
- Temjensangba and C.R. Deb. 2005. Regeneration and mass multiplication of *Arachnis labrosa* (Lindt. Ex Paxt.). Reichb: A rare and threatened archid. *Curr. Sci.* 88(12): 1966-1969.
- Utami, E.S., Sumardi, I., Taryono., Semiarti, E., 2007. Pengaruh α -Naphthaleneacetic Acid (NAA) terhadap embryogenesis somatik anggrek bulan *Phalaenopsis amabilis* (L.) BI. *Biodiversitas*. 8:1412-033x.
- Veissire P., L. Linosier. and A. Coundret. 1994. Effect of abscisic acid and cytokinins on the development of somatic embryo in *Havea brasiliensis*. *Plant Cell Tissue and Organ Culture* 39: 219-223.
- Wattimena, G.A., 1987. *Zat Pengatur Tumbuh Tanaman*. PAU. Bioteknologi. IPB.Bogor.
- Yelnititis. 2005. *Peningkatan pembentukan embrio somatik tanaman Shorea pinanga* Scheff. Tesis magister pasca sarjana program studi Biologi UGM Yogyakarta.