

DAFTAR PUSTAKA

- Aak. 1995. *Budidaya Tanaman Padi*. Penerbit Kanisius. Yogyakarta.
- Abidin, Z. 1985. *Dasar-dasar Pengetahuan Tentang Zat Pengatur Tumbuh*. Penerbit Angkasa. Bandung.
- Alfian, F. N. 2015. "Induction of Embryogenic Callus of Sugarcane (*Saccharum officinarum* L.) Variety NXI 1-3". Skripsi. University of Jember.
- Ambarwati, A. D. 1992. Regenerasi Tanaman Padi Javanica, Indica, dan Japonica. *Prosiding Lokakarya Penelitian Komoditas dan Studi Kasus*. 2 : 746- 756.
- Astuti, Y. T. M. dan N. Andayani. 2005. Pengaruh Pemberian BAP dan NAA terhadap Pertumbuhan Krisan (*Chrysanthemum morifolium* Ram.) dalam Kultur Jaringan. *Biota X* (3): 31-35.
- Azizah, K. A. 2016. Induksi Embriogenesis Somatik Menggunakan Hormon 2,4-Dichlorophenoxyacetic Acid (2,4-D) pada Padi Indica (*Oryza sativa* var. Ciherang). Skripsi. Universitas Jember
- Badan Pusat Statistik. 2014. *Data Produksi Padi Tahun 2009-2013*. http://www.bps.go.id/brs_file/asem_03mar14.pdf [01 Oktober 2016]
- Balai Besar Penelitian Tanaman Padi. 2009. *Deskripsi Varietas Padi*. Sukamandi: Departemen Pertanian.
- Bano, Z., Jabeen, M., Rahim dan Ilahi. I. 2005. Callus Inductions and Regeneration In Seed Explants Of Rice (*Oryza sativa* cv. SWAT-II). *Journal Botany Pakistan*. (5) : 829-836.
- Bhaskaran, S. dan Smith, R. H. 1990. Regeneration in Cereal Tissue Culture : A Review. *Crop Science*.
- Conger, B. V. 1980. *Cloning Agricultural Plants Via In Vitro Technique*. CRC Press Inc. Florida. 11-22 p.
- Davies, P.J. 1995. The plant hormone their nature, occurrence and function. In Davies (ed.) *Plant Hormone and Their Role in Plant Growth Development*. Dordrecht Martinus Nijhoff Publisher.
- Dodds, J.H. and L.R. Roberts. 1982. *Experiments in Plants Tissue Culture*. Cambridge University Press. Cambridge.

- Duangsee, K. dan S. Bunnag. 2014. Influence of Nutrient Composition and Plant Growth Regulators on Callus Induction and Plant Regeneration in Glutinous Rice (*Oryza sativa* L.). *Pakistan Journal of Biological Science*. 17(1): 98-103.
- Gaba, V.P. 2005. Plant Growth Regulator. In R.N. Trigiano and D.J. Gray (eds.) *Plant Tissue Culture and Development*. CRC Press. London. p. 87-100.
- Gamborg, and G. C. Philips. 1995. Media Preparation and Handling, p21-23. In Gamborg, O. L. And D. G. Philips (eds). *Plant Cell, Tissue and Organ Culture Fundamental Methods*. Spriger-Verlag. Berlin Heindelberg, Germany.
- George, E. F. 1993. *Plant Propagation by Tissu Culture Part. 1*. Basingstoke: Exegetics.
- George, E. F. dan Sherrington, P. D. 1984. *Plant Propagation by Tissue Culture*. Exegenetic Limited. England.
- Gunawan L. W. 1992. *Tehnik Kultur Jaringan Tumbuhan*. Pusat Antar Universitas Bioteknologi. Institut Pertanian Bogor. Bogor. 569 hal.
- Gunawan, L. W., 1988. *Teknik Kultur Jaringan*. Bogor: Institut Pertanian Bogor.
- Hartman, H. T, D. E. Kester and F. T. Davies. 1997. *Plant Propagation Principal and Practise*. P rentise Hall Inc. New jersey. 647p.
- Hendaryono D. S. dan Wijayanti . 2002. *Pedoman Kultur Jaringan*. Jakarta: Penebar Swadaya
- Hendaryono, D.P.S. dan A. Wijayani. 1994. *Kultur Jaringan (Pengenalan dan Petunjuk Perbanyakn Tanaman Secara Vegetatif Media)*. Yogyakarta: Kanisius.
- Imelda, M. 1991. Penerapan Teknologi In Vitro dalam Penyediaan Bibit Pisang. Prosiding Seminar Bioteknologi Perkebunan dan Lokakarya Biopolimer Untuk Industri. PAU Bioteknologi, IPB, Bogor 15-16 Februari 1991.
- Imelda, M. dan F. Erlyandari. 2000. Produksi Bibit Nanas Bogor (*Ananas comosus* (L) Merr.) Melalui Proliferasi Tunas. Prosiding Seminar Hasil Penelitian dan Pengembangan Bioteknologi III. Puslitbang Bioteknologi, LIPI. Cibinong. 7-9 Maret 2000.
- Islam, Md. M., Ahmed, M., dan Mahaldar, D. 2005. In Vitro Callus Induction and Plant Regeneration in Seed Explants of Rice (*Oryza sativa* L.). *J. of Agri and Biol Science*. 1(1) : 72–75.

- Katuuk, J.R.P. 1989. *Teknik Kultur Jaringan Dalam Mikro Propagasi Tanaman*. Jakarta: Departemen P dan K.
- Lee KW, O Chinzorig, GJ Choi, KY Kim, HC Ji, HS Park, WH Kim and SH Lee. 2011. Factors influencing callus induction and plant regeneration of dahurian wildrye grass (*Elymus dahuricus* L.). *African Journal of Biotechnology*. 11(4): 815-820.
- Lestari, E. G. dan Yunita, R. 2008. Induksi Kalus dan Regenerasi Tunas Padi Varietas Fatmawati. *Bul. Agronomi*. 36(2): 106-110.
- Lestari, E. G. dan Mariska, I. 2003. Pengaruh Berbagai Formulasi Medium Terhadap Regenerasi Kalus Padi Indica. Prosiding Seminar Hasil Penelitian Rintisan dan Bioteknologi Tanaman. Hal. 257.
- Litz, R.E and V.S. Jaiswal. 1991. Micropropagation of tropical and subtropical fruit. In: Deberg, P.C. and R.H. Zimmerman (eds.), *Micropropagation, Technology and Application*. London: Kluwer Academic Publishers.
- Liu, M. 2002. *Plant Tissue Culture, Method and Applications in Agriculture*. Academic Press. New York.
- Marassi, M. A., Bovo, A dan Mroginski. 1996. Cytokinins in the Callus Induction Medium for Plants Regeneration of Rice (*Oryza sativa* L. indica). *Journal Phyton*. 7(59): 155-160.
- Menneses, A., Flores, D., Munoz, M., Arriesta dan Espinosa. 2005. Effect of 2,4 D, Hydric Stress and Light on Indica Rice Somatic Embryogenesis. *Rev Biol Trop (Int J)*. 53 (3-4): 361-368.
- Moghaddam, B. E., Mesbah, M., dan Yavari, N. 2000. The Effect of Plant TBA and Proline Treatment on Somatic Embryogenesis of Sugar Beet (*Beta vulgaris* L.). *Euphytica*. 112 (2) : 151-156.
- Peterson, G. dan Smith, R. 1991. Effect of Abscicic Acid and Callus Size on Regeneration of American and International Rice Varieties. *Plant Cell*. 10 : 35-38.
- Pierik, R.I.M., 1987. *In Vitro Culture of Higher Plants*. Martinus Nijhoff Publishers Dordrecht. Netherlands.
- Purnamaningsih, R. 2002. Regenerasi Tanaman Melalui Embriogenesis Somatik dan Beberapa Gen yang Mengendalikannya. *Buletin Agrobio*. 5 (2) : 51-58.
- Purnamaningsih, R. 2006. Induksi Kalus dan Optimasi Regenerasi Empat Varietas Padi Melalui Kultur In Vitro. *J. Agrobiogen*. 2 (2): 74-80.

- Purnamaningsih, R. dan Mariska, Ika. 2005. Seleksi In Vitro Tanaman Padi Untuk Sifat Ketahanan Terhadap Aluminium. *Jurnal Bioteknologi Pertanian*. 10 (2): 61-69.
- Roy, M., Hossain, M., Biswas, A., Biswas, M.K., and Islam, R. 2011. Plant Regeneration Through Somatic Embryogenesis from Leaf Sheath Derived Callus of Sugarcane (*Saccharum officinarum* L.) Var. Isd-16. *Plant Tissue Culture and Biotech*. 21 (2): 143-149
- Sahrawat, A. K. dan Chand, S. 1997. Effects of L-triptofan, L-proline and Activated Charcoal on Plant Regeneration in Indica Rice (*Oryza sativa* L.). *IRRN*. 23 (3) : 10-12.
- Santos, M. A., Camara, T., Rodriguez, P., Claparols, I., dan Torne, J. M. 1996. Influence of Exogenous Proline on Embryogenic and Organogenic Maize Callus Subjected to Salt Stress. *Plant Cell, Tissue and Organ Cult*. 49: 59 – 65.
- Santosa, U dan Nursandi, F. 2003. *Kultur Jaringan Tanaman*. Malang: UMM..
- Satria, B Zainal. 2004. Perbanyak vegetative durian Aripan (*Durio zibethinus* Murr.) melalui regenerasi kalus in-vitro. *Jurnal Stigma. Faperta Unand*. 12 (1): 19-24
- Satyavathi, V.V., P.P. Jauhar, E.M. Elias, and M.B. Rao. 2004. Genomics, Molecular Genetic and Biotechnology Effects of Growth Regulators on In Vitro Plant Regeneration. *Crop Sci*. 44:1839-1846.
- Sellars, R.M., G.M. Southward, and G.C. Philips. 1990. Adventitious Somatic Embryogenesis from Culture Immature Zygotic Embryos of Peanut and Soybean. *Crop Sci*. 30: 408-413.
- Sikder, M. B. H., Sen, P. K., Al-Mamun, M. A., Ali, M. R., dan Rahman, S. M. 2006. In Vitro Regeneration of Aromatic Rice (*Oryza sativa* L.). *Int.J. Agri.Biol*. 8 (6) : 759–762.
- Soeryowinoto, M., 1990. *Petunjuk Laboratorium Pemuliaan Tanaman secara In Vitro*. Yogyakarta. Hal: 38.
- Sripichitt, P. and P. Cheewasestatham. 1994. Plant Regeneration from Embryo Derived Callus of Aromatic Rice (*Oryza sativa* L.) Variety Khao Dawk Mali 105. *Kasetsart J. Nat. Sci*. 28 : 27-37.
- Takahashi W, T Takamizo. 2013. Plant Regeneration from Embryogenic Calli of The Wild Sugarcane (*Saccharum spontaneum* L.) Clone ‘Glagah Kloet’. *Bull NARO Inst. Livest Grassl Sci*. 13: 23-32.

- Thadavong, S., Sripichitt, P., Wongyai, W., dan Jompuk, P. 2002. Callus Induction and Plant Regeneration from Mature Embryos of Glutinous Rice (*Oryza sativa* L.) Cultivar TDK1. *Kasetsart J.(Nat.Sci.)*. 36 (4) : 334-344.
- Thorpe, N.O. 1984. *Cell Biologi*. Belmont California. New York.
- Vasil, I. K. dan Vasil, V. 1984. *Introduction and Maintenance of Embryogenic Callus Cultures of Graminae*. In : *Cell Culture and Somatic Cell Genetics of Plants*. Academic Press Inc. London. pp 36-42.
- Wattimena, dkk. 1992. *Bioteknologi Tanaman*. Laboratorium Kultur Jaringan Tanaman. Pusat Antar Spesies. IPB. Bogor.
- Wattimena, G.A. 1988. *Zat Pengatur Tumbuh Tanaman*. Laboratorium Kultur Jaringan Tanaman PAU Bioteknologi IPB. Bogor. 145 hlm.
- Werbrouns, S. P. O. and P. C. Deberg. 1993. Applied Aspect of plant Regeneration. P. 127-135. In Rickwood, D. and Hames (Eds). 1996. *Plant Cell Culture A Practical Approach*. Oxford. Univ. Press. Oxford.
- Wetherell, D. F. 1982. *Pengantar Propagasi Tanaman Secara In Vitro*. Semarang: IKIP. Semarang Press. 110 hal.
- Wetter, L.R. dan Constabel, F. 1991. *Metode Kultur Jaringan Tanaman (edisi bahasa Indonesia)*. Bandung: ITB
- Wijayani, A. 2002. Pertumbuhan kentang pada berbagai intensitas cahaya dan konsentrasi benzil amino purin. *Agrivet* 5 (2): 98-104.
- Wikipedia. 2016. *Klasifikasi Tanaman Padi*. <https://id.wikipedia.org/wiki/Padi>. [01 Oktober 2016]
- Yusnita, Aprianita, dan D. Hapsoro. 1999. Pengaruh Benzyladenine dan Naphthaleneacetic terhadap Perbanyakan Tunas Nanas (*Ananas comosus* L.) In Vitro. *Jurnal Agrotropika*. 4 (2): 6-10.
- Yusnita, K. Mantja, dan D. Hapsoro. 1996. Pengaruh Benziladenin, Adenin dan Asam Indol Asetat terhadap Perbanyakan Tunas Pisang Ambon Kuning Secara In Vitro. *Jurnal Agrotropika*. 1 (1): 29-32.
- Zaer dan Mapes. 1982. *Action of Growth Regeneration*. In Bonga and Durzan (eds.) *Tissue Culture in Forestry*. Martinus Nijhoff London. p. 231-235.
- Zhang, S. dan Lemaux, P. G. 2004. Molecular Aspect of In Vitro Shoot Organogenesis. In : Trigiono, R. N. dan Gray, D. J. (eds.) *Plant Development and Biotechnology*, pp 358. CRC Press. New York.

Zulkarnain, H. 2009. *Kultur Jaringan Tanaman*. Jakarta: Bumi Aksara.