

## DAFTAR PUSTAKA

- Aak. 1995. *Berbudidaya Tanaman Padi*. Yogyakarta. Kanisius.
- Aji, A., 2016. *pengaruh auksin endogen terhadap embriogenesis mikrospora padi (*Oryza sativa* L.)*. Yogyakarta. Universitas Gadjah Mada.
- Ardiana, D.W. 2009. Teknik Pemberian Benzil Amino Purin untuk Memacu Pertumbuhan Kalus dan Tunas pada Kotiledon Melon (*Cucumis melo* L.). *Buletin Teknik Pertanian* 14(2): 1-17.
- Cavalcanti, F.R., Lima, J.P.M.S., Ferreira-Silva, S.L., Viégas, R.A., Silveira, J.A.G. 2007. Roots and Leaves Display Contrasting Oxidative Response During Salt Stress and Recovery in Cowpea. *Journal of Plant Physiology*. 164(27): 591–600.
- Chen, C.C. 1977. In-Vitro Development of Plants from Microspores of Rice. *In vitro Technique*. 13(8): 1977-2130.
- Chu, C. 1982. *Haploid in plant improvement: Plant Improvement and Somatic Cell Genetics*. Academic Press, New York.
- Colmer, T.D., Flowers, T.J. 2008. Flooding tolerance in halophytes. *New Phytologist*. 179(76): 964–974.
- Dodds, J.H., Roberts, L.W., 1985. *Experiments in Plant Tissue Culture*. Cambridge University Press: Cambridge. Pp : 195-210.
- Dunwell, J. M. 1986. Pollen, Ovule and Embryo Culture as Tools in Plant Breeding. In 'Plant Tissue Culture and its Agricultural Application'. *Ebryogenesis by Stress, Trend Plant Science*. 2(37): 285-303.
- Forster, B. P., Heberle-Bors, K. J., Kasha, Touraev, A., 2007. The resurgence of haploid in higher plants. *Trends in Plant Science*. 12(8): 368-375.
- Garcia, A.B., Engler, J.D.A., Iyer, S., Gerats, T., Montagu, M.V., Caplan, A.B. 1997. Effects of Osmoprotectants upon NaCl Stress in Rice. *Plant Physiology*. 115(18): 159–169.
- Glaszmann. 2008. A varieties Classification Of Aian Cultivated Rice (*Oryza sativa* L.) based on isozyme polymorphism. *IRRI*. 296 (5565) : 79-92.
- Guo, Y.D., Sewon, P., Pulli, S. 1999. Improved embryogenesis from anther culture and plant regeneration in timothy. *Plant Cell, Tissue and Organ Culture*. 57(98): 85- 93.
- Hasegawa, P.M., 2013. Sodium (Na<sup>+</sup>) homeostasis and salt tolerance of plants. *Environmental and Experimental Botany*. 92(3): 19–31.
- Hasegawa, P.M., Bressan, R.A., Zhu, J.K., Bohnert, H.J., 2000. Plant cellular and Molecular Responses to High Salinity. *Annual Review of Plant Physiology and Plant Molecular Biology*. 51(8):463–499.
- Heny, T. 2015. Outlook Komoditas Pertanian Subsektor Tanaman Pangan, Padi. Jakarta. Pusat Data dan Sistem Informasi Pertanian, Kementerian Pertanian.  
<http://bbpadi.litbang.pertanian.go.id/index.php/varietas/inbrida-padi-sawah-irigasi-inpari/content/item/1-ciherang>.  
[http://bpatp.litbang.pertanian.go.id/ind/index.php?option=com\\_content&view=article&id=428:padi-gogo-varietas-situ-bagendit&catid=55:teknologi](http://bpatp.litbang.pertanian.go.id/ind/index.php?option=com_content&view=article&id=428:padi-gogo-varietas-situ-bagendit&catid=55:teknologi)

[inovatif-badan- litbang-pertanian&Itemid=613.](#)

- Indrianto, A., Barinova, I., Touraev, A., Heberle- Bors E., 2001. Tracking Individu Wheat Microspores *In-vitro*: Identification of Embryogenic Microspores and Body Axis Formation in the Embryo. *Planta*. 212(10): 163-174.
- Indrianto, A., Semiarti, E., Sudjino. 2010. *Optimalization Of Microspore Embryogenesis Teqnique In Rice (Oryza sativa L.)*. Vienna-Austria. International Conference “ Green Plant Breeding Technologies”.
- Irawan, B., Purbayanti, K., 2008. Karakterisasi Dan Keckerabatan Kultivar Padi Lokal Di Desa Rancakalong, Kecamatan Rancakalong, Kabupaten Sumedang. *Seminar Nasional PTTI*. Cibinong-Bogor. 21-23 Oktober 2008.
- Khatum R, Islam S.M.S, Bari M.A. 2010. Studies on Plant Regeneration Efficiency Through In-vitro Micropropagation and Antera Culture of Twent-five Rice Cultivars in Bangladesh. *J App Science Res*. 6(11): 1705-2100.
- Khatun, M., and Mondal, K. 2011. Studies on the sclereids diversity and distribution pattern in the different plant organs (leaves, stem and fruits) of some selected medicinally viable angiospermic taxa in eastern India: a systematic approach. *Advances in Bioreserach*. 2(1): 111-121.
- Kristiansen, K., Andersen, S.B. 1993. Effects of donor plant temperature, photoperiod, and age on anther culture response of *Capsicum annuum L*. *Euphytica research*. 67(15): 105-109.
- Lee, S.Y. 2003. Selection of salt-tolerant doubled haploids in rice anther culture. *Plant Cell and Organ Culture*. 3(74): 143-149.
- Lersten, N.R. 2004. *Flowering plant Embryology: with emphasis on economic species*. United States of America. Wiley publication. Page :13.
- Maraschin, S.F., W. de priester, H.P. Spaink, and M.wang. 2005. Androgenic Switch: an example of plant embryogenesis from the male gametophyte perspective. *Journal of Experimental Botany*. 56(417): 1711-1726.
- Marinkovic, N., Radojevic, L. 1992. The influence of bud length, age of the tree and culture media on androgenesis induction in *Aesculus carnea* Hayne anther culture. *Plant Cell, Tissue and Organ Culture*. 31(23) : 51-59.
- Mishra, R., Narashima, G. 2016. In-vitro Androgenesis in Rice: Advantages, Constrains and Future Prospects. *Rice Science*. 23(2):57-68.
- Munns R, Tester M. 2008. Mechanisms of salinity tolerance. *Annual Review of Plant Biology*. 59(7): 651–681.
- Niizeki, H. Oono, K. 1971. *Rice Plants Obtained by Antera Culture*. In : *Les Culture De Tisus De Plantes*. Paris. Colloques Internationaux du C.N.R.S. Page: 251-257.
- Nitsch, J.P. Nitsch, C. 1969. Haploid plants from pollen grains. *Science*. 163(3862) :1-24
- Nugroho, L.H. Sumardi, I. 2015. *Struktur dan Perkembangan Tumbuhan*. Yogyakarta. Universitas Gadjah Mada Press. Hal: 88-100.
- Nurul, A. 2010. *Induksi Embriogenik Mikrospora Padi (Oryza sativa L.) Dengan Asam Absisat (ABA)*. Yogyakarta. Universitas Gadjah Mada Press. Hal : 37-40.
- Palmer, C. E., Keller, W. A. 1997. Pollen Embryos in 'Pollen Biotechnology for Crop



- Production and Improvement'. *Ed. VK Sawhney Plant Embryogenesis*. 23(56): 392-422.
- Schwab, K.B., Gaff, D.F., 1990. Influence of Compatible Solutes on Soluble Enzymes from Desiccation-Tolerant *Sporobolus stapfianus* and Desiccation-Sensitive *Sporobolus pyramidalis*. *Journal of Plant Physiology*. 137(15): 208–215.
- Sekmen, A.H., Turkan, I., Takio, S., 2007. Differential Responses of Antioxidative Enzymes and Lipid Peroxidation to Salt Stress in Salt-Tolerant *Plantago maritima* and Salt-Sensitive. *Physiologia Plantarum*. 131(34): 399–411.
- Shabala, S. 2013. Learning from Halophytes: Physiological Basis and Strategies to Improve Abiotic Stress Tolerance in Crops. *Annals of Botany*. 112(13): 1209–1221.
- Shariatpanahi, M.E., Bal, U., Heberle-Borse, E., Touraev, Alisher. 2006. Stresses Applied for the Re-programming of Plant Microspores Towards In-Vitro Embryogenesis. *Physiologia Plantarum, An International Journal for Plant Biology*. 127(4): 519-534.
- Solis, M.T., Pintos, M.J., Prado, M.A., Bueno, I., Raska, M.C., Risueno, and Testillano, P.S. 2008. Early markers of in vitro microspore reprogramming to embryogenesis in olive (*Olea europea* L.). *Plant Science*. 10(101): 1-14.
- Suaib. 2009. Induksi Mikrospora Embriogenik Pada Tanaman Tebu (*Saccharum spp.*) . Yogyakarta. Universitas Gadjah Mada Press.
- Touraev, A., Indrianto, A., Wratschko, I., Vicente, O., Heberle-Bors, E., 1996. Efficient microspore embryogenesis in wheat (*Triticum aestivum* L.) induced by starvation at high temperature. *Sex Plant Rep*, 9: 209–215.
- Touraev, A., Vicente, O., Herble-Bross E. 1997. Initiation of microspore the Reprogramming of Plant Microspores towards *In Vitro* Embryogenesis. *Plant Physiology*. 127(87): 519-535.
- Utama, H.Z. 2015. *Budidaya Padi Pada Lahan Marjinal Kiat Meningkatkan Produksi Padi*. Yogyakarta. CV. ANDI OFFSET. hal :24-43.