DAFTAR PUSTAKA

Anonim, 2012, Material Safety Data Sheet Cat# 1519-1000 Colchicine, http://www.biovision.com/manuals/1519_MSDS.pdf?osCsid=v5atrlon3nm1j3mr17mdubkea0, 28 Mei 2015.

Barnabás, B., Pfahler, P.L., Kovács, G., 1991, Direct Effect of Colchicine on the Microspore Embryogenesis to Produce Dihaploid Plants in Wheat *Triticum aestivum* L., *Theor Appl Genet* , **81**, 675-678.

Bhojwani, S.S. & Radzan, M.K., 1996, *Plant Tissue Culture: Theory and Practice*, Revised Edition, 167-215, Elsevier, Amsterdam.

Chen, Z.Z., Snyder, S., Fan, Z.G. & Loh, W.H., 1994, Efficient Production of Double Haploid Plants Through Chromosome Doubling of Isolated Microspores in *Brassica napus*, *Plant Breeding*, **113**: 217-221.

Chu, C., 1978, The N6 Medium and Its Application to Anther Culture of Cereal Crops, dalam *Proc Symp Plant Tissue Culture*, 43-50, Science Press, Peking.

Constantine, E., Palmer, D., Wilfred, A. K. & Kenneth, K., 2007, *Haploids in Crop Improvement*, 2nd Ed., Springer, Berlin.

Creelman, R.A. & Mullet, J.E., 1997, Biosynthesis and Action of Jasmonates in Plants, *Annu. Rev. Plant Physiol. Plant Mol. Biol.*, **48**: 355–81.

Dalimartha, S., 2003, *Atlas Tumbuhan Obat Indonesia, Jilid 2*, Trubus Agriwidya, Jakarta.

Dewick, P.M., 2002, *Medicinal Natural Products: A Biosynthetic Approach*, 2nd Edition, JohnWiley & Son, England.

Eigsti, O.J. & Dustin, P., 1957, *Colchicine in Agriculture*, Medicine Biology an Chemistry, The Lova State Collage Press, Ameslowa.

Gamborg, O.L., Miller, R.A., Ojima, K., 1968, Nutrient Requirement Suspension Cultures of Soybean Root Cells, *Exp Cell Res*, **50**, 151-158.

Gandjar, I.G & Rohman, A., 2007, *Analisis Obat Secara Spektroskopi dan Kromatografi*, 329-376, Pustaka Pelajar, Yogyakarta.

Guha, S. & Maheshwari, S.C., 1964, In Vitro Production of Embryos from Anthers of Datura, *Nature*, **204**, 497.

Guha, S. & Maheshwari, S.C., 1967, Development of Embryoids from Pollen Grains of Datura In Vitro, *Phytomorph*, **17**, 454-461.

Hassawi, D.S. & Liang, G.H., 1991, Antimitotic Agents: Effects on Double Haploid Production in Wheat, *Crop Sci*, **31**, 723-726.

Hu, T.C., Ziauddin, A., Simion, E., and Kasha, K.J., 1995, Isolated Microspore Culture of Wheat (*Triticum aestivum* L.) in a Defined Media, *In Vitro Cell. Dev. Biol.*, **31**: 79–83.

Hugo, W.B., 1998, Mode of Action of Non-Antibiotic Antibacterial Agents, dalam Hugo, W.B. & Russell, A.D., *Pharmaceutical Microbiology*, 6th Edition, Blacwell Science Ltd., London.

Indrianto, A., Barinova, I., Touraev, A., Heberle-Bors,, E., 2001, Tracking Individual Wheat Microspores In Vitro: Identification of Embryogenic Microspores and Body Axis Formation in the Embryo, *Planta*, **212**:163-174.

Jensen, C.J., 1974, Chromosome Doubling Techniques, dalam Kasha, K.J. (Ed) *Haploids in Higher Plants. Advances and Potential*, 153-190, Proceedings of the First International Symposium, Guelph, Canada.

Kolewe, M.E., Gaurav, V. & Roberts, S.C., 2008, Pharmaceutically Active Natural Product Synthesis and Supply via Plant Cell Culture Technology, *Mol. Pharm*, **5**: 243-256.

Latif, S., 1991, Identifikasi Mikrospora Kelapa Sawit *Elaeis guineensis* Jacq untuk Kultur Haploid, *Buletin Perkebunan*, **22**, 231-238.

Lenny, S., 2006, Senyawa Flavanoida, Fenilpropanida dan Alkaloida, *Karya Ilmiah*, Departemen Kimia Fakultas MIPA Universitas Sumatera Utara, Medan.

Levan, A., 1938, The effect of Colchicine on Root Mitosis in Allium, *Hereditas*, **24**, 471-486.

Major, I. & Constanbel, C.P., 1999, How Trees Defend Themselves Against Insect Herbivors: Macroarray Analysis of Gene Expression in Hybrid Polar (*Populus trichocarpax* P. deltoides), http://www.treebiotech2003.norrnod.se/s2_o.htm, 10 Juni 2015.

Maluszynski, M., Kasha, K.J. & Szarejko, I., 2003, Published Double Haploid Protocols in Plant Species, dalam Maluszynski, M., Kasha, K., Forster, B.P. & Szarejko, I. (Eds), *Doubled Haploid Production in Crop Plants: A manual*, 309 – 335, Kluwer, Dordrecht.

Marconi, P.L., Setten, L.M., Cálcena, E.N., Alvarez, M.A. & Pitta-Alvarez, S.I., 2008, Changes in Growth and Tropane Alkaloid Production in Long-term Culture of Hairy Roots of *Brugmansia candida*, *Electronic Journal of Integrative Biosciences*, **3(1)**: 38-44.

Menke, F.L., Parchmann, S., Mueller, M.J., Kijne, J.W. & Memelink, J., 1999, Involvement of the Octadecanoid Pathway and Protein Phosphorylation in Fungal Elicitor Induced Expression of Terpenoid Indole Alkaloid Biosynthelic Gene in *Catharanthus roseus*, *Plant Physiol*, **119**: 1289-1296.

Mentewab, A. & Sarrafi, A., 1997, Androgenic Ability and Chromosome Doubling by Different Colchicine Treatments in Anther Culture of Hexaploid Wheat Genotypes, *Cereal Res. Commun*, **25**, 897-903.

Miroslav, V., 1971, *Detection and Identification of Organic Compound*, Planum Publishing Corporation and SNTC Publishers of Technical Literatur, New York.

Möllers, C., Iqbal, M.C.M., Röbbelen, G., 1994, Efficient Production of Doubled Haploid *Brassica napus* Plants by Colchicine Treatment of Microspores, *Euphytica*, **75**, 95-104.

Murashige, T. & Skoog, F., 1962, A Revised Medium for Rapid Growth and Bioassays with Tobacco Tissue Cultures, *Physiol. Plantarum*, **15**, 473-497.

Nitsch, J.P. & Nitsch, C., 1969, Haploid Plants from Pollen Grains, *Science*, **163**, 85-87.

Pitojo, S., 2002, *Ceplukan Herba Berkhasiat Obat*, Kanisius, Yogyakarta.

Silva, T., 2012, Microspore Embryogenesis, dalam Sato, K., *Embryogenesis*, 573, InTech, Croasia.

Stahl, E., 1985, *Thin-Layer Chromatography: A Laboratory Handbook*, Springer-Verlag, Berlin.

Suryo, 1995, *Sitogenetika*, Universitas Gadjah Mada Press, Yogyakarta.

Thomma, B.P.H.J., Eggermont, K., Penninckx, I.A.M.A., Mauch-Mani, B., Vogelsang, R., Cammue, B.P.A. & Broekaert W.F., 1998, Separate Jasmonate Dependent and Salicylates Dependent Defense Response Pathways in Arabidopsis are Essential for Resistance to Distinct Microbial Pathogens, *Proc. Natl. Acad. Sci. U.S.A.*, **95**: 15107–15111.

Touraev, A., Vicente, O. & Heberle-Bors, E., 1997, Initiation of Micropsore Embryogenesis by Stress, *Trends in Plant Science 2*, **8**, 297-302.

Touraev, A. & Heberle-Bors, E., 1999, Microspore Embryogenesis and In Vitro Pollen Maturation in Tobacco, dalam Hall, R.D. (Ed) *Methods In Molecular Biology*, Volume 111, 281-291, Human Press Inc., Totowa.

Van Steenis, C.G.G.J., 2003, *Flora*, PT. Pradnya Paramita, Jakarta.

Wagner, H. & Bladt, S., 1996, *Plant Drud Analysis: A Thin Layer Chromatography Atlas*, 2nd Edition, 3-48, Springer, Berlin.

Wink, M., 2008, Ecological Roles of Alkaloids, dalam Wink, M., *Modern Alkaloids, Structure, Isolation Synthesis and Biology*,Wiley, Jerman.

Yamada, Y., Yun, D.J., & Hashimoto, T., 1994, Genetic Engineering of Medicinal Plants for Tropane Alkaloid Production, dalam Ryu, D.D.Y. & Furasaki S. (Eds.), *Advances in Plant Biotechnology*, 83-93, Elsevier Science Publishers, Amsterdam.

Zhao, J.P., Simmonds, D.H., Newcomb, W., 1996, Induction of Embryogenesis with Colchicine instead of Heat in Microspores of *Brassica napus* L. cv. Topas, *Planta*, **189**, 433-439.

Zhao, J.P., Hu, Q., Guo, Y.Q., & Zhu, W.H., 2001, Effects of Stress Factors, Bioregulators, and Synthetic Precursors on Indole Alkaloid Production in Compact Callus Clusters Cultures of *Catharanthus roseus*, *Appl. Microbiol. Biotechnol.*, **55**: 693-698.

Zhao, J.P., Davis, L.C. & Verpoorte R., 2005, Elicitor Signal Transduction Leading to Production of Plant Secondary Metabolites, *Biotechnol. Adv*, **23**: 283-333.