

## DAFTAR PUSTAKA

- Abirami, A., G.Nagarani, and Perumal Siddhuraju. 2014. The medicinal and Nutritional Role of Underutilized Citrus Fruit-Citrus hystrix (Kaffir Lime): A Review. *Drug Invention Today* 6(1):1-5
- Abyari, M., N. Nasr, J. Soorni, and D. Sadhu. 2016. Enhance Accumulation of Scopoletin in Cell Suspension Culture of *Spilanthes acmella* Murr. Using Precursor Feeding. *Brazilian Archives of Biology and Technology* 59(16120533):1-7
- Akhtar, T.A., Y. Matsuba, I. Schauvinhold, G. Yu, H.A. Lees, S.E. Klein, and E. Pichersky. 2013. The tomato cis-prenyltransferase gene family. *The Plant Journal* 73:640-652
- Aleu, J., Hanson, J. R., & Hernandez, R. (2001). Biotransformation of the fungistatic sesquiterpenoids patchoulol, ginsenos, cedrol and globulol by *Botrytis cinerea*. *Journal of Molecular Catalysis B: Enzymatic*, 11, 329–334.
- Aziz L.M. Siregar, Chan Lai Keng, dan Boey Peng Lim, 2006, Pertumbuhan dan Akumulasi Alkaloid dalam Kalus dan Suspensi Sel *Eurycoma longifolia* Jack, *Jurnal Ilmiah Pertanian Kultura*, 41 (1): 19-27.
- Blando, F., A. P. Scardino, L. De Bellis, I. Nicoletti, and G. Giovinazzo. 2005. Characterization of in vitro anthocyanin-producing sour cherry (*Prunus cerasus* L.) callus culture. *Food Research Internat* 38: 937-942
- Bourgaud, F., A. Gravot, S. Milesi, and E. Gontier. 2001. Production of Plant Secondary Metabolites: A Historical Perspective. *Plant Science* 161: 839-851

- Bulgakov VP, Kozyrenko MM, Fedoreyev SA. 2001. Shikonin production by p-fluorophenylalanine resistant cells of *Lithospermum erythrorhizon*. *Fitoterapia* 72:394–401.
- Chan, W.K., L.T. Hern Tan, K.G. Chan, L.H. Lee, and B.H. Goh. 2016. Nerolidol: A Sesquiterpene Alcohol with Multi-Faceted Pharmacological and Biological Activities. *Molecules* 12(5):529
- Chappell, J., and R. Nable. 1987. Induction of Sesquiterpenoid Biosynthesis in Tobacco Cell Suspension Cultures by Fungal Elicitor. *Plant Physiol.* 85:469-473
- Chappell, J., C. Von Lanke, U. Vogeli, and P. Bhatt. 1989. Sterol and sesquiterpenoid biosynthesis during a growth cycle of tobacco cell suspension cultures. *Plant Cell Rep.* 8(1):48-52
- Chattopadhyay, S., S. Farkya., A.K. Srivastava, V.S. Bisaria. 2002. Bioprocess considerations for production of secondary metabolites by plant cell suspension culture. *Biotechnology and Bioprocess Engineering* 7(3):138-149
- Chen, H., & Chen, F. (2000). Effects of yeast elicitor on the growth and secondary metabolism of a high-tanshinone-producing line of the Ti transformed *Sal 6* in *miltiorrhiza* cells in suspension culture. *Process Biochemistry*, 35, 837–840.
- Cho, K.S., Y. Lim, K. Lee, J. Lee, J.H. Lee, and I.S.Lee. 2017. Terpenes from Forest and Human Health. *Toxicol Res* 33(2):97-106
- Cortleven, A., and T. Schmulling. 2015. Stimulation of Chloroplast Development and Function by Cytokinin. *Journal of Experimental Botany* 66(16):4999-5013
- Dalimartha, S. 2006. Atlas Tumbuhan Obat Indonesia II. Niaga Swadaya. Jakarta. Hal: 93-94.

- De Las Heras, B., B.Rodriguez, L. Bosca, and A.M. Villar. 2003. Terpenoids: Sources, Structure Elucidation and Therapeutic Potential in Inflammation. *Current Topics in Medicinal Chemistry* 3:53-67
- Devarenne, T.P., A. Ghosh, and J. Chappell. 2002. Regulation of Squalene Synthase, a Key Enzyme of Sterol Biosynthesis, in Tobacco. *Plant Physiol.* 129(3):1095-1106
- Dhar, M.K., A. Koul, and S. Kaul. 2012. Farnesyl Pyrophosphate synthase: a key enzyme in isoprenoid biosynthetic pathway and potential molecular target for drug development. *New Biotechnology* 30(2):114-123
- Eisenreich, W., M. Schwarz, A. Cartayrade, D. Arigoni, M.H. Zenk, and A. Bacher. 1998. The deoxyxylulose phos[hate pathway of terpenoid biosynthesis in plants and microorganisms. *Chem Biol* 5(9):R221-33
- Fatonah, Vita, 2016. Profil senyawa bioaktif kalus jeruk purut (*Citrus hystrix*, DC.) dengan induksi kombinasi 2,4 Diclorophenoxy acetic acid dan benzyl amino purine. Universitas Gadjah Mada, Yogyakarta.
- Filova, Angelika. 2014. Production of Secondary Metabolites in Plant Tissue Cultures. *Research Journal of Agricultural Science* 46(1):236-245
- Grasman, J. 2005. Terpenoids as Plant Antioxidants. *Vitam Horm.* 72:505-35
- Hajslova, J., and T. Cajka. 2007. Chapter 12 Gas Chromatography-Mass Spectrometry (GC-MS). *Food Toxicants Analysis*. Elsevier.
- Hegy, G., Kardos, J., Kovacs, M., Malnasi-Csizmadia, A., Nyitray, L., Pal, G., Venekei, I. (2013). *Introduction to Practical Biochemistry*. Hungary: Eotvos Lorand University.
- Hendaryono, D.P., dan A. Wijayanti, *Teknik Kultur Jaringan: Pengenaan dan Petunjuk Perbanyakan Tanaman secara Vegetatif-Modern*, Yogyakarta: Kanisius (1994).

- Gaongsheng, H., and J. Jingming. 2012. Production of Useful Secondary Metabolites Through Regulation of Biosynthetic Pathway in Cell and Tissue Suspension Culture of Medicinal Plants. *INTECH Open Science*, <http://dx.doi.org/10.5772/53038>
- George. E.F., M.A. Hall, and G. De Klerk. 2008. Plant Propagation by Tissue Culture 3rd Edition. Springer, Nedtherlands. Pp 1-6
- Gueven, Alper. 2012. Plant Tissue Cultures in Production of Secondary Metabolites. *Food, Science, Engineering and Technologies* LIX:553-556
- Gusni, W.R., Suwirmen, dan Z.A. Noli. 2015. Peningkatan Kandungan Alkaloid Kalus Mahkota Dewa (*Phleria macrocarpa* (Scheff.)Boerl.) dengan Pemberian Prekursor Triptofan pada Medium Murashige & skoog. *Jurnal Biologi Universitas Andalas* 4(1):4-8
- Indrianto, Ari. 2003. Kultur Jaringan Tumbuhan. Fakultas Biologi Universitas Gadjah Mada. Yogyakarta
- Ismail, M., A.I. Owis. M. Hetta, and R. Mohammed. 2017. Total phenolics and flavonoids content, antioxidant activity and GC/MS analyses of *Euphorbia grandialata*. *Journal of Applied Pharmaceutical Science* 7 (06):176-181
- Jedinak, A., J. Farago, I. Psenakova, and T.Maliar. 2004. Approaches to Flavonoid Production in Plant Tissue Cultures. *Biologia, Bratislava* 59(6):697-710
- Katno dan Y. Widiyastuti. 2004. Analisis Kualitatif Kandungan Kimia Kalus *Sonchus arvensis* L. Hasil Pertumbuhan secara Kultur Jaringan. *Media Litbang Kesehatan* XIV(1):37-40
- Kementerian Kesehatan Republik Indonesia. 2017. Panduan Penatalaksanaan Kanker Payudara.

<http://kanker.kemkes.go.id/guidelines/PPKPayudara.pdf>, diakses pada  
tanggal 6 Mei 2018

- Ketaren, S. 2005. *Minyak dan Lemak Pangan*. Edisi pertama Jakarta: Penerbit UI-Press.
- Kumar, A.S., V. Venkatesalu, K.Kannathasan, and M. Chandrasekaran. 2010. Chemical constituents and antibacterial activity of the leaf essential oil of *Feronia limonia*. *Indian J Microbiol* 50(1):S70–S73
- Malik, A.I., H. Rasyid, T. Yasmin, and N.M. Minhas. 2003. Effect of 2,4-dichlorophenoxyacetic Acid on Callus Induction from Mature Wheat (*Triticum aestivum* L.) Seeds. *Int.J.Agri.Biol* 6(1):156-159
- Manalu, M.M., K.R. Wirasutisna, dan Elfahmi. 2012. Produksi Senyawa Metabolit Sekunder Melalui Kultur Jaringan dan Tranformasi Genetik *Artemisia annua* L.. *Acta Pharmaceutica Indonesia* XXXVII(1):23-27
- Matebie, W.A., W. Zhang, and G. Xie. 2019. Chemical Composition and Antimicrobial Activity of Essential Oil from *Phytolacca dodecandra* Collected in Ethiopia. *Molecules* 24(342):1-8
- Montes de Oca, R., A.Z.M. Salem, A.E.Kholif, H. Monroy, L.S, Perez, J.L Zamora, and A. Gutierrez. 2016. Yeast:Description and Structure. <https://www.researchgate.net/publication/293605511>
- Mulabagal V, Tsay H-S (2004) Plant cell cultures—an alternative and efficient source for the production of biologically important secondary metabolites. *Inter J App Sci Eng* 2(1):29–48
- Oldfield, E., and F.Y.Lin. 2012. Terpene Biosynthesis: Modularity Rules. *Angew Chem Int Ed Engl* 51(5):1124-1137

- Pavia, Donald L., Gary M. Lampman, George S. Kritz, Randall G. Engel (2006). *Introduction to Organic Laboratory Techniques (4th Ed.)*. Thomson Brooks/Cole. pp. 797–817.
- Priyanto, D., W.A.S. Tunjung, and A. Indriyanto. 2018. Extract of Elicited Kaffir Lime (*Citrus hystrix* DC.) Cells Suspension by *Saccharomyces cerevisiae* H. and Its Cytotoxicity Against T47D Cells. *Indian Journal of Physiotherapy and Occupational Therapy* 12 (4):202-209
- Roberts, J.A., and R. Hooley. 2012. *Plant Growth Regulators Tertiary Level Biology*. Chapman and Hall: New York
- Sharma, S., & Shahzad, A. (2013). Elicitation: An Alternative Approach for Secondary Metabolite Production. In M. Shahid, A. Shahzad, A. Malik, & A. Sahai (Eds.). *Recent Trends in Biotechnology and Therapeutic Applications of Medicinal Plants* (pp. 79–92). New York: Springer.
- Shinta, N.R., dan B. Surarso. 2016. Terapi Mual Muntah Pasca Kemoterapi. *Jurnal THT* 19(2):74-83
- Setyorini, S.D., dan E. Yusnawan. 2016. Peningkatan Kandungan Metabolit Sekunder Tanaman Aneka Kacang sebagai Respon Cekaman Biotik. *Iptek Tanaman Pangan* 11(2):167-174
- Hoesen, S.D.H., Witjaksono dan L.A Sukanto, 2008, Induksi Kalus dan Organogenesis Kultur In Vitro *Dendrobium lineale* Rolfe. *Berita Biologi* 9(3): 333-341.
- The Plant List. 2012. *Citrus hystrix* DC. <http://www.theplantlist.org/tpl1.1/record/kew-2724129>, diakses pada tanggal 6 Mei 2018

- Tiwari, R. And C.C Rana. 2015. Plant Secondary Metabolites: A Review. *International Journal of Engineering Research and General Science* 3(5): 661-670
- Tunjung, W.A.S., J. Cinatl jr., M. Michaelis, and C.M. Smales. 2014. Anti-Cancer Effect of Kaffir Lime (*Citrus hystrix* DC) Leaf Extract in Cervical Cancer and Neuroblastoma Cell Lines. *Procedia Chemistry* 14:465-468
- Wanatabe, K., S.I. Yang., and Y.Yamada. 1982. The selection of cultured plant cell lines producing high levels of biotin. *Phytochemistry* 21(3):513-516
- Wardani, D.P., Solichatun, dan A.D. Setyawan. 2004. Pertumbuhan dan Produksi Saponin Kultur Kalus *Talinum paniculatum* Gaertn. Pada Variasi Penambahan Asam 2,4-Diklorofenoksi Asetat (2,4 D) dan Kinetin. *Biofarmasi* 2(1):35-43
- Widiastuti. 2012. *Sukses Agribisnis Minyak Atsiri*. Pustaka Baru Pers, Yogyakarta.
- Yue, W., Ming, Q.L., Lin, B., Rahman K., Han, T., Qin, L.P. 2014. Medicinal plant cell suspension cultures: pharmaceutical applications and high-yielding strategies for the desires secondary metabolites. *Crit Rev Biotechnol* 36(2):215-232
- Yuwono, S.S. 2016. Jeruk Purut (*Citrus Hystrix* D.C). <http://darsatop.lecture.ub.ac.id/2016/02/jeruk-purut-citrus-hystrix-d-c/>, Diakses pada tanggal 12 Juni 2018