

## DAFTAR KEPUSTAKAAN

- Abdel-Latif, A., G. Osman. 2017. Comparison of Three Genomic DNA Extraction Method to Obtain High DNA Quality from Maize. *Plant Methods* 2017 13:1.
- Acquaah, G. 2004. Understanding Biotechnology- an integrated and cyber-based approach. First Edition. New Jersey: Pearson Education Incorporation. 431 p.
- Adds, I. A. A., M. A. Abdel-Gayed, W. Botros dan E. E. Hafez. 2017 Multilocus Genetic Techniques, RAPD-PCR and ISSR-PCR Markers and Polygalacturonase Activity as Tools for Differentiation Among *Alternaria solani* Isolates on Tomato Fruits and Relation to their Pathogenicity in Egypt. *Asian J. Plant Pathol.*, 11 (1): 18-27.
- Amalia, 2013. Karakteristik Nilam di Indonesia. Bogor: Balitro, Status Teknologi Hasil Penelitian Nilam. 8 hal.
- [Balitro] Balai Penelitian Tanaman Tempah dan Obat. 2014. Patchoulina Nilam Unggul Toleran Layu Bakteri. Bogor: Warta Penelitian dan Pengembangan Pertanian 36 (5): 4 – 5.
- Brooker, R. J., 2009. Genetics, Analysis & Principles. Third Edition. New York: The McGraw-Hill.
- Brud, W. S., 2016. Industrial Uses of Essential Oils. In Basher, K.H.C, and Buchbauer, G., editor. Handbook of Essential Oils, Science Technology and Applications 2<sup>nd</sup> Edition. Boca Raton: CRC Press, Taylor & Francis Group, LLC. pp. 1011-1021.
- Caiger, S. 2016. Essential Oil and Oleoresins, Market Insider April 2016 Report. [http://www.intracen.org/uploadedFiles/intracenorg/Content/Exporters/Market\\_Data\\_and\\_Information/Market\\_information/Market\\_Insider/Essential\\_Oils/Monthly%20Report%20April%202016.pdf](http://www.intracen.org/uploadedFiles/intracenorg/Content/Exporters/Market_Data_and_Information/Market_information/Market_Insider/Essential_Oils/Monthly%20Report%20April%202016.pdf). [viewed 28th October 2016].
- Costa, R., G. Pereira, I. Garrido, M. M. Tavares-de-Sousa, dan F. Espinosa. 2016. Comparison of RAPD, ISSR, and AFLP Molecular Markers to Reveal and Classify Orchardgrass (*Dactylis glomerata* L.) Germplasm Variations. *PLoS ONE* 11(4): e0152972.
- Crowder, L. V., 1990. Genetika Tumbuhan. Kusdiarti L., penerjemah. Yogyakarta. Gajah Mada University Press.
- Deguerry, F., L. Pastore, S. Wu, A. Clark, J. Chappell, dan M. Schalk. 2006. The Diverse Sesquiterpene Profile of Patchouli, *Pogostemon cablin*, is

- Correlated With a Limited Number of Sesquiterpene Synthases. *Biochemistry and Biophysics* 454, pp.123 – 36.
- [Direktorat Jenderal Perkebunan]. 2016. *Statistik Perkebunan Indonesia, 2015-2017*, Nilam. Jakarta: Kementerian Pertanian.
- Fauza, H., 2009. Identifikasi Karakteristik Gambir (*Uncaria spp.*) di Sumatera Barat dan Analisis RAPD [Disertasi]. Bandung. Program Pascasarjana Universitas Padjadjaran.
- Fatriani, S. dan H. Chotimah. 2008. Pengaruh Pola Pengeringan Terhadap Rendemen dan Kualitas Minyak Atsiri Daun Nilam (*Pogostemon cablin* Benth). *Jurnal Hutan Tropis Borneo* 22:7 – 16.
- Febriyetty, L. dan R. Hidayat, 2016. Survey Identifikasi Fenotip, Morfologi dan Anatomi Nilam (*Pogostemon cablin* Benth.) di Pasaman Barat [tidak terpublikasi]. Padang: Universitas Andalas.
- Fiantis, D., 2004. Evaluasi Kesesuaian Lahan untuk Kelapa Sawit pada Tanah Vulkanis Kabupaten Pasaman Barat di Sumatera Barat. Padang: Stigma, 12 (3): 31 – 321.
- Franz, C. and J. Novak, 2016. Sources of Essential Oils. In Başher, K.H.C, and Buchbauer, G., editor. *Handbook of Essential Oils, Science Technology and Applications* 2<sup>nd</sup> Edition. Boca Raton: CRC Press, Taylor & Francis Group, LLC. pp. 43-78.
- Hadrys, H., M. Balick, and B. Schierwater. 1992. Applications of Random Amplified Polymorphic DNA (RAPD) in Molecular Ecology. [abstrak]. Braunschweigh: Molecular Ecology, 1(1): 55-63.
- Halimah, D.P.P. dan Y. Zetra. 2011. Minyak Atsiri dari Nilam (*Pogostemon cablin* Benth.) Melalui Metode Fermentasi dan Hidrodistilasi Serta Uji Bioaktivitasnya. Prosiding Tugas Akhir KIMIA-FMIPA ITS. Surabaya: Fakultas Matematika dan Ilmu Pengetahuan Alam Institut Teknologi Surabaya.
- Hariyani, H., E. Widaryanto, dan N. Herlina. 2015. Pengaruh Umur Panen Terhadap Rendemen dan Kualitas Minyak Atsiri Tanaman Nilam (*Pogostemon cablin* Benth.). *Jurnal Produksi Tanaman* 3(3). Malang: Universitas Brawijaya.
- Haryudin, W. dan S. Suhesti. 2014. Karakteristik Morfologi, Produksi dan Mutu 15 Aksesi Nilam. *Bul. Litro*, 25 (1): 1 – 10.
- Jamsari, 2007. *Biotehnologi Pemula, Prinsip Dasar dan Aplikasi Analisis Molekuler*. Pekanbaru: Unri Press. 193 hal.

- Junaidi, A. dan A. Hidayat. 2010. Uji Asal Sumber Bibit Nilam (*Pogostemon cablin* Benth.) di Pasaman Barat Sumatera Barat. Jurnal Penelitian Hasil Hutan 28 (3): 241 – 54.
- Karmakar, D, S. Moktan and A. P. Das. 2017. Foliar micro-morphological traits in some members of Ericaceae from Darjeeling Himalaya. Pleione 11(2): 341 - 348.
- Kumar, N.S. dan G. Gurusubramanian. 2011. Random Amplified Polymorphic DNA (RAPD) Markers and its Application. SciVis 11 (3): 116 – 24.
- Mullis, K. 1990. The Unusual Origin of the Polymerase Chain Reaction. Scientific American: April.
- Murugan, R. and C. Livingstone. 2010. Origin of The Name ‘Patchouli and Its History. Current Science 99 (9): 1274 – 1276.
- [National Centre for Biotechnology Education]. 2017. Gel Electrophoresis- NCBE Briefing. United Kingdom: University of Reading.
- [Pemkab Pasaman Barat] Pemerintah Kabupaten Pasaman Barat. 2016. <http://pasamanbaratkab.go.id/profil/14/geografispasamanbarat.html>. [diakses 20 Oktober 2016].
- Pujar, A. 2009. Pathway: Patchoulol Biosynthesis. Boyce Thompson Institute <http://neurosporacyc.broadinstitute.org/META/NEW-IMAGE?type=PATHWAY&object=PWY-6258> . [diakses 23 Juni 2016]
- Ramya, H.G., V. Palanimuthu, dan S. Rachna. 2013. An Introduction to Patchouli (*Pogostemon cablin* Benth.) – A Medicinal and Aromatic Plant: It’s Importance to Mankind. Agriculture Engineering International: CIGR Journal 15 (2): 243 – 50.
- Rosman, R. dan Hermanto, 2010. Aspek Lahan dan Iklim untuk Pengembangan Nilam di Provinsi Nanggroe Aceh Darussalam. Bogor: Balai Penelitian Tanaman Rempah dan Obat. Hal 21 – 28.
- Sandes, S. S., M. I. Zucchi, J. B. Pinheiro, M. M. Bajay, C.E.A. Batista, F.A. Brito1, M. F. Arrigoni-Blank, S. V. Alvares-Carvalho, R. Silva-Mann dan A.F. Blank. 2015. Molecular Characterization of Patchouli (*Pogostemon spp.*) germplasm. Brasil: Genetics and Molecular Research 15 (1):1 – 12.
- Sapriyawati, E. 2011. Hubungan Karakter Morfologi dan Anatomi Nilam (*Pogostemon spp.*) dengan Produksi Tanaman Per Rumpun dan Kerapatan Sel Minyak untuk Mendapatkan Varietas Unggul [Skripsi]. Bogor: Institut Pertanian Bogor. 16 hal.
- Semagn, K. 2014. Leaf Tissue Sampling and DNA Extraction Protocols. In P. Besse, editor. Molecular Plant Taxonomy: Methods and Protocols,

- Methods in Molecular Biology. New York: Springer Science Business Media. pp. 53 – 67.
- Swamy, M. K. dan M. Anuradha, 2011. Analysis of Genetic Variability in Patchouli Cultivars (*Pogostemon cablin* Benth.) by using RAPD Markers. Research in Biotechnology, 2(6): 64-71
- Swamy, M. K. dan U. R. Sinniah. 2015. A Comprehensive Review on the Phytochemical Constituents and Pharmacological Activities of *Pogostemon cablin* Benth.: An Aromatic Medicinal Plant of Industrial Importance. Molecules 20: 8521 – 8547.
- Swasty, E. 2007. Pengantar Pemuliaan Tanaman. Fakultas Pertanian. Padang. Universitas Andalas.
- [The Angiosperm Phylogeny Group]. 2003. An Update of The Angiosperm Phylogeny Group Classification for the Orders and Families of Flowering Plants: APG II. Botanical Journal of The Linnean Society 141: 399 – 436.
- Vesterberg, O. 1989. History of Electrophoretic Method. Amsterdam: Journal of Chromatography 480: 3 – 19.
- Wahyudi, A. dan Ermiati. 2012. Prospek Pengembangan Industri Minyak Nilam di Indonesia. Bunga Rampai Inovasi Tanaman Atsiri Indonesia. Bogor: Balai Penelitian Tanaman Rempah dan Obat. 6 hal.
- Yao, G., B. T. Drew, T. S. Yi, H. F. Yan, Y. M. Yuan, X. J. Ge, 2016. Phylogenetic Relationships, Character Evolution and Biogeographic Diversification of *Pogostemon s.l.* (Lamiaceae). Molecular Phylogenetics and Evolution 98: 184 – 200.