

## DAFTAR PUSTAKA

- Akbar Y.M., Maithoh R.E., dan Khuriyati N., 2017. *Aplikasi Analisis Multivariat Berdasarkan Warna untuk Memprediksi Brix dan pH pada Pisang*. Agritech Vol.37 No.1 Februari 2017. Hal 108-114. DOI:<http://dx.doi.org/10.22146/agritech.17022>. ISSN 0216-0455 (print), ISSN 2527-3825 (online).
- Akhsan, Mardji dan Sutisna, 2015. *Response of Aquilaria microcarpa To Two Species of Fusarium under Two Different Cultivation Sytems*. Journal of Tropical Forest 27 (4):447-455. Forest Reserch Institute Malaysia. Malaysia
- Akhtar I. dan Nazir N., 2013. *Effect of Waterlogging and Drought Stess in Plants*. International journal of water reources and environment sciences 2(2):34-40. ISSN XXXX-XXXX DOI:10.5829/idos.ijwres.2013.2.2.11125 © IDOSI Publication.
- Akter N. dan Ananta Z. N., 2008. *Agarwood Plantation at BRAC Tea Estate: Introduction Environmental Factors and Finanial Analysis*. Bangladesh.
- Akter S., Zulkefeli, Tanvir, And Sirojul K.I., 2013. *Agarwood Production A Multidiciplinary Field To Be Explored In Bangladesh*. International Journal of Pharmaceutical Life Science. ISSN 2305-0330.
- Aqil M. dan Efendi R., 2015. *Aplikasi SPSS dan SAS untuk Perancangan Percobaan*. Absolute Media. ISBN. 978-602-1083-07-9. Yogyakarta
- Awang, Abdul-Rahim, Chong, 2014. *Histology Study of Aquilaria malaccensis and The Agarwood Resin Formation Under Light Microscope*. Journal Volume 5. Page 77-83. Diunduh Pada Tanggal 6 April 2016.
- Badan Pusat Statistik. 2011. *Karanganyar dalam angka 2011*. Badan Pusat Statistik Kabupaten Karanganyar, Jawa Tengah.
- Badan Pusat Statistik (BPS). 2017. *Kecamatan Karanganyar Dalam Angka 2017*. Karanganyar: © BPS Kabupaten Karanganyar.
- Badan Pusat Statistik. 2017. *Kabupaten Sragen dalam angka 2017*. BPS Kabupaten Sragen, Jawa Tengah

- Batish D.R., Kohli K.H., Jose S. dan Singh H., 2008. *Ecological Basis of Agroforestri*. CRS Press Taylor & Francis Group. ISBN 978-1-4200-4327-3. New York.
- Bellow J., 2004. *Fruit-Tree-Based Agroforestri in The Western Highlands of Guatemala: An Evaluation of Tree-Crop Interactions and Socioeconomic Characteristics*. A Dissertation Presented To The Graduates School of The University of Florida in Partial Fulfillment of The Requirements for The Degree of Doctor Of Philosophy. University of Florida.
- Blanchette R.A. (2007). *Successful Production of Cultivated Agarwood: A New Economy for Poor Rural People using Green Technology*. Conference Booklet. Second International Agarwood Conference and Workshop. Bangkok and Koh Chang, Thailand.
- Blanchette, R. and H. Heuveling van Beek. 2005. *Cultivated Agarwood*. US Patent 6,848,211.
- Brown, S. 1997. *Estimating Biomass and Biomass Change of Tropical Forests: A Primer*. FAO Forestry Paper 134. Food and Agriculture Organization of The United Nations. Rome.
- Bustomi M.A., dan Dzulfikar A.Z., 2014. *Analisis Distribusi Intensitas RGB Citra Digital untuk Klasifikasi Kualitas Biji Jagung menggunakan Jaringan Syaraf Tiruan*. Jurnal Fisika dan Aplikasinya. Volume 10, Nomor 3. Hal: 127-132 . Jurnal Fisika FMIPA ITS.
- Causton D.R., 1988. *Introduction to Vegetation Analysis Principles, Practice and Interpretation*. ISBN 978-94-011-9739-7, London: Published by the Academic Division of UIIWiB H, Ltd.
- Chave J., Andalo C., Brown S., Cairns M.A., Chambers J.Q., Eamus D., Folster H., Formard F., Higuchi N., Kira T., Lesure P., Nelson, Ogawa H., Puig H., Riera B., dan Yamukara T., 2005. *Tree Allometry and Improved Estimation of Carbon Stocks and Balance in Tropical Forest*. Oecologia (2005) 145:87-99. DOI 10.1007/s00442-005-0100-x.
- Chen H., Yun Y., Jian X., Jianhe W., Zheng Z. , dan Hongjiang C., 2016. *Comparison of Compositions And Antimicrobial Activities of Essential Oils From Chemically Stimulated Agarwood, Wild Agarwood and Healthy Aquilaria sinensis (Lour.) Gilg Trees*. Molecules.
- Chong, Osman, Bahari, Nuri, Zakaria dan Karim A., 2015. *Agarwood Inducement Technology: A Method for Producing Oil Grade Agarwood in Cultivated Aquilaria malaccensis Lmk*. Journal Agrobiotech. Vol 16. Universiti Sultan ZainalAbidin. ISSN 1985-5133 (press). ISSN 2180-1983 (online).

- Chowdhury M., 2014. *Production Method of Agarwood Through Aeration Method Into The Agar Tree*. Department of Farm Power And Machinery Bangladesh Agricultural University Mymensingh. Bangladesh. <http://dspace.bau.edu.bd/bitstream/123456789/230/1/FPM-190.pdf>. Diunduh pada tanggal 6 November 2016.
- Ditjen PHKA, 2005. *Peran Management Authority dalam Ekspor Gaharu Indonesia*, dalam Peluang dan Tantangan Pengembangan Gaharu di Indonesia, diedit oleh Isnaini Y dan Rahmawati D., Bogor: Seameo Biotrop.
- Djukri, 2009. *Regulasi Ion Kalsium (ca++) dalam Tanaman untuk Menghadapi Cekaman Lingkungan*. Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Fakultas MIPA, Universitas Negeri Yogyakarta, 16 Mei 2009.
- Duta S. K., Jagadev, Kumananda T., Bibhupi P. B., 2010. *Phylogenetic Placement of An Endophytic Fungus Fusarium Oxysporum Isolated From Acorus Calamus Rhizomes With Antimicrobial Activity*. Journal EJBS. Vol 2 (1). Diunduh Pada Tanggal 6 April 2016.
- Everitt B.S., Landau S., Leese M., dan Stahl D., 2011. *Cluster Analysis*, 5th Edition. ePDF ISBN: 978-0-470-97780-4. India: A John Wiley and Sons, Ltd. Publication.
- Federer W.T. dan King F., 2007. *Variation on Split Plot and Split Block Experiment Designs*. Canada: Wiley-Interscience A John Wiley and Sons, Inc, Publication
- Freitas N.D.O., Silva F.S.B.D., dan Maia L.C., 2008. *Edge Effect on Soil Biochemical and Microbiological Activities in an Atlantic Forest Fragment in The State of Pernambuco, Brazil*. Bioremediation, Biodiversity and Bioavailability 2 (special issue 1), 62-67 © 2018 Global Science Books.
- Ge S., Xu H., Ji M., dan Jiang Y., 2013. *Characteristics of Soil Organic Carbon, Total Nitrogen, and C/N Ratio in Chinese Apple Orchards*. Open Journal of Soil Science 2013, 3, 213-217 <http://dx.doi.org/10.4236/ojss.2013.35025> Published Online September 2013 (<http://www.scirp.org/journal/ojss>)
- Hadi S., Handa M., Nia S. S., Sukma, Putu E.W.R., 2011. *Phytochemical Screening and Antibacterial Testing of Gaharu Trees (Gyrinops versteegii (Gilg) Domke from Lombok Island*. Proceedings of The 2<sup>nd</sup> International Seminar on Chemistry 2011 (Pp.79-82) Jatinangor, 24-25 November 2011 ISBN 978-62-19413-1-7.

- Hairiah K, Dewi D., Agus F., Velarde S., Ekadinata A., Rahayu S. dan Noordwijk V.N., 2010. *Measuring Carbon Stocks Across Land Use System: A Manual*. Bogor, Indonesia. World Agroforestry Centre (ICRAF), SEA Regional Office, 155 pages.
- Hardiwinoto S., 2015. *Perang Silvikultur dalam Peningkatan Produktivitas Hutan dan Rehabilitasi Lahan*. Pidato Pengukuhan Guru Besar. Universitas Gadjah Mada Yogyakarta. Tidak dipublikasikan.
- Harborne, J.B. 1987. *Metode Fitokimia, Penuntun Cara Modern Menganalisis Tumbuhan*. Terjemahan. K. Padmawinata dan Soediro. ITB, Bandung.
- Harper J.L. 1977. *Population Biology of Plants*. New York: Academic Press
- Haygreen, J.G. dan Bowyer, J.L. diterjemahkan oleh Hadikusumo, S.A. dan Prawirohatmodjo, S. 1993. *Hasil Hutan dan Ilmu Kayu Suatu Pengantar*. Gadjah Mada University Press. Yogyakarta.
- Iskandar D., Suhendra A., 2012. *Uji Inokulasi Fusarium sp Untuk Produksi Gaharu Pada Budidaya A. Becariana*. Jurnal Sains Dan Teknologi Indonesia Vol. 14 No. 3 Desember 2012. Hal. 182-188.
- Heyne K., 1987. *Tumbuhan Berguna Indonesia*, Jilid II, Jakarta: Yayasan Sarana Wana Jaya.
- Isnaeni Y. dan Rahmawati D., 2005. Prosiding seminar Nasional Gaharu, *Peluang dan Tantangan Pengembangan Gaharu di Indonesia*. Seameo Biotrop South East Asian Regional Centre For Tropical Biology. Bogor. Indonesia.
- Isnaeni Y., 2005. *Potensi Isolat Fusarium Asal Gaharu Sebagai Penghasil Hormon Perangsang Akar*. Prosiding Seminar Nasional Gaharu. Peluang Dan Tantangan Pengembangan Gaharu Di Indonesia. Bogor. 1- 2 Desember 2005. Published By Seameo Biotrop Southeast Asian Regional Centre For Tropical Biology. Bogor. Indonesia.
- Istomo dan Farida N.E., 2017. *Potensi Simpanan Karbon di Atas Permukaan Tanah Tegakan Acacia nilotica L. (willd) ex. Del. di Taman Nasional Baluran, Jawa Timur*. Jurnal Pengelolaan Sumberdaya Alam dan lingkungan Vol. 7 No. 2 (Agustus 2017): 155-162
- Iswahyudi C. 2010. *Prototype Aplikasi untuk Mengukur Kematangan Buah Apel Berdasarkan Kemiripan Warna*. Jurnal Teknologi. Volume 3 Nomor 2. Desember 2010 Hal: 107-112.
- Jayaraman S., Nurul H., dan Rasmina H., 2014. *Effects of Plant Growth Regulators, Carbon Sources, and pH Values on Callus Induction in*

*Aquilaria malaccensis* Leaf Explants and Characteristics of The Resultant Calli. Journal of Forest Research (2014)25(3):535-540. DOI10.1007/s11676-014-0492-8.

Johnson P.E., 2014. *Standardized Variable in Regression*. Kansas: Departement of Political Science University of Kansas.

Kamziah, Jong dan Mohamed, 2014. *Fungal Innoculation Induced Agarwood In Young Aquilaria malaccensis Trees In The Nursery*. Journal of Research 25(1) 201-204. Springer. [Http://Link Springer.Com](http://Link Springer.Com) Diunduh Pada Tanggal 6 April 2016.

Karlinasari, Indahsuary, Kusumo, Santoso, Turjaman, dan Nandika. 2015. *Sonic and Ultrasonic Waves in Agar wood Trees (Aquilaria microcarpa) Inoculated with Fusarium solani*. Journal of Tropical Forest Science 27(3):351-356. Forest Research Institute Malaysia.

Kastaman R, Marsetyo, Sunarmani, dan Somantri A.S., 2008. *Aplikasi Pengolah Citra dengan Basis Fitur Warna RGB untuk Klasifikasi Buah Manggis*. Jurnal Bionatural, Vol.10, No.3, Nsovenber 2008. Hal:273-291.

Khan I.S., Zulkefeli, Tanvir, And Akter, 2013. *Agarwood Production A Multidiciplinary Field To Be Explored In Bangladesh*. International Journal of Pharmaceutical Life Science. ISSN 2305-0330.

Kint V., Hein S., Campioli M., dan Muys B., 2010. *Modelling Self-pruning and branch attributes for young Quercus robur L. And Fagus sylvatica L. trees*. Forest Ecology and Management 260 (2010) 2023-2034. Journal homepage: [www.elsevier.com/locate/foreco](http://www.elsevier.com/locate/foreco). Elsevier.

Korner C. 2006. *Significance of temperature in plant life*. In: *Plant Growth and Climate Change*. Morisoa and Morecroft editors. India: Blackwell Publishing Ltd.

Kunio K. dan Lahjie A.B.M., 2015. *Agroforestri Management with Vanilla and Agarwood in East Kalimantan*. Journal of Economics and Sustainable Development. ISSN 2222-1700 (Paper) ISSN 2222-2855 (Online). Vol.6 No.4.

Kuliesis A.A. dan Kuliesis A., 2006. *Edge Effect on Forest Stand Growth and Development*. Baltic Forestry 12 (2):158-169.

Kusmana C., 1997. *Metode Survey Vegetasi*. Bogor: PT. Penerbit Institut Pertanian Bogor.

- Lata A., 2007. *Investigation of Seed Longevity and Viability and Curring Propagation For Aquilaria crassna*. Postgraduate Diploma of Research Methods School of Marine and Tropical Biology James Cook University
- Lee K.D., Yang M.S., Supanjani, Smith D., 2005. *Fertilizer effect on the yield and terpene component from the flowerhead of Chrysantemum boreale M. (Composite)*. Journal of Agronomical sustainable Development 25 (2005) 205-211. © INRA.EDP science. DOI:10.1051/agro:2005122.
- Leslie J.F. dan Summerell B.A., 2006. *The Fusarium Laboratory Manual*. Blackwell Publising. First Edition. Australia.
- Liang M.Q., Zhang C.F., Peng C.L., Lai Z.L., Chen D.F., dan Chen Z.H., 2011. *Plant growth, community structure, and nutrient revoval in monoculture and mixed constructed wetlands*. Ecological Engineering 37 (2011) 309-316. ELSEVIER. [www.elsevier.com/locate/ecoleng](http://www.elsevier.com/locate/ecoleng).
- Liu Y., Chen H., Yang Y., Zhang Z., Wei J., Meng H., Chen W., Feng J., Gan B., Chen X., Gao Z., Huang J., Chen B., Chen H., 2013. *Whole-tree agarwood –inducing technique: an efficient novel technique for producing high-quality agarwood in cultivated aquilaria sinensis tree*. Molecules (18):3086-3106. DOI:10.3390/molecules 18033086.
- Lorenz K. dan Lal R., 2010. *Carbon Sequestration in Forest Ecosystem*. Springer Science+Business Media B.V 2010. ISBN 978-90-481-3265-2. E-ISBN 978-90-481-3266-9. DOI 10.1007/978-90-481-3266-9. New York.
- Ludwig J.A. dan Reynolds J.F., 1988. *Statistical Ecology A Primer on Methods and Computing*. New York: A Wiley-Interscience Publication John Wiley and Sons.
- MacDicken K.G dan Vergara N.T., 1990. *Agroforestry Classification and Management*. New York: A Wiley-Interscience Publication John Wiley & Son.
- Manik F.Y., dan Saragih K.S., 2017. *Klasifikasi Belimbing Menggunakan NaiveBayes Berdasarkan Fitur Warna RGB*. Journal IJCCS vol 11 No.1 Januari 2017. Hal:99-108. ISSN:1978-1520.
- Manurung R., Gunawan J., Hazriani R., dan Suharmoko J., 2017. *Pemetaan Status Unsur Hara N, P, dan K Tanah pada Perkebunan Kelapa Sawit Di Lahan Gambut*. Jurnal Prdon Tropika edisi I Vol 3 (89-96).



- Mateus R., 2014. *Peranan Legume Penutup Tanah Tropis Dalam Meningkatkan Simpanan Karbon Organic dan Kualitas Tanah Serta Hasil Jagung (Zea mays) Di Lahan Kering*. Disertasi. Program Pascasarjana Universitas Udayana Denpasar.
- Mega I. M., Dewa K.S., Desak N.K., Wayan S., dan Made A.O.P., 2012. *Formulasi Inokulum Jamur Pembentuk Gubal Gaharu Pada Tanaman Ketimunan (Gyrinops verteegeeii)*. Agrotrop. 2 (2): 139-144. Isbn: 2088-155X. Fakultas Pertanian Universitas Udayana Denpasar Bali, Indonesia.
- Mengel K. dan Kirkby EA, 1987. *Principle of Plant Nutrition*. Switzerland: International Potash Institute.
- Mesic M., Birkas M., Zgorelec z., Kisici., Juristic A., dan Sestak I., 2012. *Carbon Content and C/N Ratio in Pannonian and Medirerranea Soils*. Department of General Agronomy, Faculty of Agriculture, University of Zagreb, Svetosimunska c. 25, 10 000 Zagreb, Croatia, [mmesic@agr.hr](mailto:mmesic@agr.hr),
- Michiho I. 2005. *Induction of Sesquiterpenoid Production by Methyl Jasmonate in Aquilaria sinensis Cell Suspension Culture*. Essential Oil Research. <http://www.findarticles.com>. Diakses pada tanggal 13 April 2016.
- Millang S., Ade R., Baharuddin, Tutik K., dan Nurbaya, 2014. *Tentative Identification of Fungal Isolates Associated With Aquilaria spp. From Remaining Forest Areas In Nunukan Regency, North Kalimantan*. The International Asian Research Journal 02 (02) Pp. 28-36. Diunduh Pada Tanggal 6 April 2016
- Millang S., Baharuddin, Tutik K., Nurbaya, 2015. *Patogenicity Test of Fusarium Spp on Gaharu Seedling (Aquilaria Malaccensis)*. American Research Journal of Agriculture Volume I, Issue I. Diunduh Pada Tanggal 6 April 2016.
- Millang S., Budiman B. dan Anita M.. 2011. Awal Pertumbuhan Pohon Gaharu (*Gyrinops* sp.) Asal Nusa Tenggara Barat Di Hutan Pendidikan Universitas Hasanuddin. Jurnal Hutan Dan Masyarakat Volume 6, No.2 Agustus.
- Mohamed R., Phai L.J. dan Ismail N.I., 2014. *Succession Patterns of Fungi Associated to Wound-Induced Agarwood in Wild Aquilaria malaccensis Revealed from Quantitative PCR Assay*. World Journal Microbiol Biotechnol. DOI 10.1007/s111274-014-1668-2. Springer. <http://Link Springer.Com> Diakses pada tanggal 8 Februari 2017.
- Mohamed R., Phai L.J. dan Kudus K., 2014. *Fungal Innoculation Induced Agarwood In Young Aquilaria malaccensis Trees In The Nursery*. Journal

of Research 25(1) 201-204. Springer. <http://link.springer.com> Diunduh Pada Tanggal 6 April 2016.

Mohamed R., 2016. *Agarwood Science behind the Fragrance*. ISSN 164-9785 Tropical Forestry. ISBN 978-981-10-0832-0. ISBN 978-981-10-0833-7 (ebook). DOI 10.1007/978-981-10-0833-7. [8 Februari 2017].

Montgoery D.C. 2009. *Design and Analysis of Ekperiment*. 7<sup>th</sup> Edition. New York: John Wiley and Sons.

Montagnini F., Jordan C.F., 2005. *Tropical Forest Ecology the basic for conservation and management*. ISSN 1614-9785. ISBN 3-540-23797. New York: Springer Berlin Heidelberg

Mulyaningsih T. dan Parman, 2004. *Teknologi Inokulasi Mrikrobia Pada Tanaman Gaharu Dan Penanganan Pasca Panen Gubal. Makalah Utama Disampaikan Pada Pelatihan Nasional Budidaya Gaharu dan Teknik Inokulasi Untuk Mempercepat Pembentukan Gubal Gaharu*. Pusat Penelitian Agroekologi Lembaga Penelitian dan Pengabdian Kepada Masyarakat Instiper Yogyakarta. 6-7 Oktober 2004. Yogyakarta. Indonesia.

Mulyaningsih T, Marsono D., Sumardi, dan Yamada I., 2014. *Selection of Superior Breeding Infraspecies Gaharu of Gyrinops versteegii (Gilg) Domke*. Journal of Agricultural Science And Technology B 4 (2014) 485-492. Issn 1939-1250.

Mulyaningsih, 2014. *Ekologi Gaharu Gyrinops versteegii (Gilg.) Domke di hutan Lombok Barat*. Disertasi untuk memenuhi sebagian persyaratan mencapai derajat S-3 ilmu kehutanan. Program studi Universitas Gadjah Mada Yogyakarta.

Mulyaningsih, T. dan Yamada I. 2007. *Notes on Some Species of Agarwood In Nusa Tenggara, Celebes and West Papua*. Sulawesi.cseas.kyoto-u.ac.jp/final\_reports2007/article/43-tri.pdf. diunduh 25 April 2016.

Nair P.K.R., 2011. *Methodological Challenges in Estimating Carbon Sequestration Potential of Agroforestri System*. Editor Kumar BM dan Nair PKR. Carbon Sequestration Potential of Agroforestri Systems. DOI 10.1007/978-94-007-1630-8. Springer Scienc+Business Media B.V. 2011. Springer Dordrecht Heidelberg London New York.

Nair P.K.R., 1993. *An Introduction to Agroforestri*. Kluwer Academic Publisher. Dordrecht, the Netherlands.

Nair P.K.R, Nair V.D., Kumar B.M., Showalter J.M., 2010. *Carbon Sequestration in Agroforestri Systems*. Adv Agron 108:237–307



- Naghdi R., Bonyad A., dan Amini M., 2017. *Road Effect on Diameter of Trees in Caspian Forest of Iran*. Caspin J.Environ.Sci. 2017. Vol. 15 No.1 pp. 47-55. Copyright by University of Guilan, Printed in LR. Iran.
- Natalia D., Arisoeloningsih E., dan Hairiah K., 2017. *Are High Carbon Stocks in Agroforestry and Forest Associated with High Plant Species Diversity?* AGRIVITA Journal of Agricultural Science. 39 (1):74-82. Accredited SK No.81/DIKTI/Kep/2011.  
Permalink/DOI:<http://dx.doi.org/10.17503/agrivita.v39i1.676>.
- Nobuchi T. dan Siripatanadilok, , 1991. *Preliminary Abservation of Aquilaria crassna Wood Asosiated with The Formulation of Aloeswood* . Bull Kyoto University 63:226-235.
- Noor M.H., dan Hariadi M., 2009. *Image Cluster Berdasarkan Warna untuk Identifikasi Kematangan Buah Tomat dengan Metode Valley Tracing*. Seminar Nasional Informatika. UPN Veteran Yogyakarta.
- Noor'an R.F., Jaya I.N.S., Puspaningsih N., 2015. *Pendugaan perubahan Stok Karbon di Taman Nasional Bromo Tengger Semeru*. Media Konservasi Vol 20.No.2Agustus 2015:177-186
- Novriyanti E. dan Santoso E., 2011. *The Role of Phenolics In Agarwood Formation of Aquilaria crassa Pierre Ex Lecomte And Aquilaria Microcarpa Baill Trees*.
- Novriyanti E., Turjaman M., Syafii, Santoso E., dan Sitepu. 2010. *Antifungal Activity of Wood Extract of Aquilaria Crassa Pierre Ex Lecomte Against Agarwood Inducing Fungi, Fusarium Solani*. Journal of Forestry Research Vol 7. No 2. 2010 155-156.
- Nugroho D.H., Satmoko A., dan Dewi B.C., 2007. *Pendekatan Color Segmentation Pada Citra Kamera Termografi Infra Merah untuk Diagnosis Kerusakan Secara Otomatik*. Proseding PPI-PDIPTN 2007. Hal: 204-211. Pustek Akselerator dan Proses Bahan. BATAN. Yogyakarta.
- Nurbaya, Rosmana A., Baharuddin, Tutik K., dan Millang S., 2014. *Tentative Identification of Fungal Isolates Assosiated With Aquilaria spp. From Remaining Forest Areas In Nunukan Regency, North Kalimantan*. The International Asian Reseach Journal 02 (02) Pp. 28-36. Diunduh Pada Tanggal 6 April 2016
- Nurbaya, Baharuddin, Tutik K. dan Syamsudin M., 2015. *Patogenicity Test of Fusarium Spp on Gaharu Seedling (Aquilaria Malaccensis)*. American Research Journal of Agriculture Volume I, Issue I. Diunduh Pada Tanggal 6 April 2016.

- Oloci L. dan Kenkel N.C., 1987. *Data Analysis in Population and Community Ecology*. Las Cruces: University of Hawaii and New Mexico State University.
- Ormeno E., Baldy V., Ballini C., dan Fernandez C., 2008. *Production and diversity of Volatile Terpene from Plants on Calcareous and Siliceous Soils: Effect of Soil Nutrients*. Journal Chemical Ecology 34:1219-1229 DOI 10.1007/s10886-008-9515-2. Springer.
- Parman, Mulyaningsih, Hadi S., Markum, Listiana, dan Faisal, 1998. *Penerapan Teknik Produksi Gubal Pada Pohon Ketimunan (Aquilaria filaria)*. Detil Journal. Vol 1 no. 8.
- Pojanagaroon dan Kaewrak, 2005. *Mechanical Method to Stimulate Aloes Wood Formation in Aquilaria crassna Pierre ex H.Lee. (Kritsana) Tree*. Proc.WOCMAP III Vol. 2. Conservation Cultivation and Sustainability Use of MAPs. Journal Acta Horticulture 676, ISHS.
- Prahara A, dan A Azhari. 2016. *Analisis Fitur Warna dan Tekstur untuk Metode Deteksi Jalan*. Jurnal Ilmu Teknik Elektro Komputer dan Informatika (JITEKI) Vol. 2 No.2.
- Pramana, Jumani, dan Heni E., *Pertumbuhan Tanaman Gaharu (Aquilaria Sp) Di Desa Giri Agung Kematan Sebulu Kabupaten Kutai Kertanegara Provinsi Kalimantan Timur*.
- Prasad R., dan Power J.F., 1977. *Soil Fertility Management for Sustainable Agriculture*. Lewis Publishers. New York.
- Prasad B.B., Jagadev, Tayung K., dan Kumar S., 2010. *Phylogenetic Placement of An Endophytic Fungus Fusarium Oxysporum Isolated From Acorus Calamus Rhizomes With Antimicrobial Activity*. Journal EJBS. Vol 2 (1). Diunduh Pada Tanggal 6 April 2016.
- Pribadi D.O., 2009. *Studi Spasial Persebaran Gaharu (Aquilaria sp) dan Keterkaitannya Dengan Kondisi Habitat Di Taman Nasional Kutai Kalimantan Timur*. Bulletin Kebun Raya Vol. 12 No. 1, Bulan Januari.
- Purwanto R., Rohman, Maryudi A., Yuwono T., Permadi D.B., dan Sanjaya M., 2012. *Potensi Biomassa Dan Simpanan Karbon Jenis-Jenis Tanaman Berkayu Di Hutan Rakyat Desa Nganggeran, Gunung Kidul, Daerah Istimewa Yogyakarta*. Jurnal Ilmu Kehutanan VOL VI No.2 Juli-September 2012. ISSN:0126-4451. Fakultas Kehutanan UGM. Yogyakarta.

- Pusat Penelitian dan Pengembangan Hasil Hutan, 2008. *Petunjuk Praktik Sifat-sifat Dasar Jenis Kayu Indonesia A Handbook of Selected Indonesian Wood Species*. ISBN:978-979-19082-0-7. Jakarta:Indonesian Sawmill and woodworking Association (ISWA).
- Putri A.H.M. dan Wulandari C., 2013. *Potensi Penyerapan karbon pada Tegakan Damar Mata Kucing (Shorea javanica) di Pekon Gunung Kemala Krui Lampung Barat*. Jurnal Sylva Lestari Vol.3 No.2 Mei 2015(13-20) ISSN 2339-0913.
- Qu L.H., Lei W., Xiao-Xia G., Jia-Jia T., 2013. *Molecular Identification of Endophytic From Aquilaria Sinensis and Artificial Agarwood Induced By Pinholes-Infusion Technique*. African Journal of Biotechnology Page 3115-3131. Diunduh Pada Tanggal 6 April 2016.
- Rahayu G., 2009. *Status Penelitian dan Pengembangan Gaharu di Indonesia*. Departemen Biologi FMIPA. Institut Pertanian Bogor. Makalah pada Seminar Nasional I Gaharu. BOGOR.
- Rahayu G., Santoso E. dan Wulandari E., 2009.. *Efektivitas dan Interaksi antara Acremonium sp dan Fusarium sp. Dalam Pembentukan Gubal Gaharu pada Aquilaria microcarpa*. Makalah pada Workshop Pengembangan Teknologi Produksi Gaharu Berbasis pada Pemberdayaan Masyarakat di Sekitar Hutan. Bogor.
- Rahayu S., 1999. *Penyakit Tanaman Hutan Di Indonesia Gejala, Penyebab, Dan Teknik Pengendaliannya*. Penerbit Kanisius. Cetakan Pertama. ISBN 979-672-287-9. Yogyakarta.
- Rahman M.A. dan Basak A.C., 1980. *Agar Production in Agar Tree by Artificial Inoculation and Wounding*. Bano Biggyan Patrika 9: 87-93.
- Ramadhani R.C., Juliarni, Rahayu G., 2005. *Jaringan Pengkululasi Resin Gaharu pada Aquilaria crassna*. Bogor. 1- 2 Desember 2005. Published By Seameo Biotrop Southeast Asian Tegional Centre for Tropical Biology. Bogor. Indonesia.
- Ramadhani, T., Otsyina, S., Franzel, S., 2002. *Improving Household Incomes and Reducing Deforestation Using Rotational Woodlots In Tabora District, Tanzania*. Agriculture, Ecosystems and Environment 89, 229–239.
- Rasool S. dan Mohamed R., 2016. *Understanding Agarwood Formation and Its Challenges*, dalam *Agarwood Science Behind the Fragrance*, diedit oleh: Mohamed R., Singapore:Springer.

- Rawling J.O., Pantula S.G., dan Dickey D.A., 1989. *Applied Regression Analysis: A Research Tool Second Edition*, ISBN 0-387-98454-2. New York: Springer.
- Reinhardt ED, 1982. *Influence of Site Quality on The Height-Diameter Relationship of Western Larch*. Graduate Student Theses, Dissertations, & Professional Papers. 2695. <https://scholarworks.umt.edu/etd/2695>.
- Richard P.W., 1966. *The Tropical Rain Forest an Ecological Study*. Cambridge and The University Press. London.
- Riyanto H.D. dan Pahlana W.H., 2012. *Kajian Evaluasi Lahan Hutan Jati Sistem Bonita di Kesatuan Pemangkuan Hutan (KPH) Cepu*. Jurnal Penelitian Hutan Tanaman Vol 9. No.1 Maret 2012, 43-50.
- Ruwanza S., 2019. *The Edge Effect on Plant Diversity and Soil Properties in Abandoned Fields Targeted for Ecological Restoration*. Sustainability 2019, II, 140; DOI 10.3390/su11010140.
- Saika dan Khan, 2014. *Ecological Features of Cultivated Stands of Aquilaria malaccensis Lam. (Thymelaeaceae) A Vulnerable Tropical Species in Assamese Homegarden*. Hidawi Publishing Corporation. International Journal of Forestry Research Volume 2014, article ID 140926, 16 pages. <http://dx.doi.org/10.1155/2014/140926>.
- Saikia dan Khan, 2014. *Homegarden of Upper Assam, Northeast India: A Typical Example of on Farm Conservation Agarwood (Aquilaria malaccensis Lam)*. International Journal of Biodiversity Science, Ecosystem Services and Management. Vol 10 No. 4: 262-269.
- Santoso E. dan Novriyanto E., 2011. *The Role of Phenolics In Agarwood Formation of Aquilaria crassa Pierre Ex Lecomte And Aquilaria Microcarpa Baill Trees*.
- Santoso E., 2015. *Valuasi Teknologi Gaharu Budidaya*. Forda Press. Cetakan pertama, ISBN: 978-602-71770-8-6. Bogor. Indonesia.
- Saha R. dan Pramod J.H.A., 2012. *Carbon Sequestration Potentials of Agroforestry System under Climate Change Scenario- Brief Review with Special Emphasis on North-Eastern Hill Regions*. Journal of Agriculture Physics Vol. 12, No. 2, pp. 100-106 (2012). ISSN 0973-032X.
- Schuman M.C., Valim H.A, dan Joo Y, 2016. *Temporal Dynamic of Plant Volatiles: Mechanistic Bases and Functional Consequences dalam Deciphering Chemical Language of Plant Communication* diedit oleh Bande JD dan Glinwood. Switzerland: Springer nature.

- Shipley B., 2004. *Cause and Correlation in Biology A User's Guide to Path Analysis, Structural Equations and Causal Inference*. ISBN 0-511-01772-3. United Kingdom: Cambridge University Press.
- Sitepu, Turjaman M., Syafii, Santoso E., dan Novriyanto E., 2010. *Antifungal Activity of Wood Extract of Aquilaria Crassa Pierre Ex Lecomte Against Agarwood Inducing Fungi, Fusarium Solani*. Journal of Forestry Research Vol 7. No 2. 2010 155-156.
- SNI. 2011. *Pengukuran dan penghitungan cadangan karbon –pengukuran lapangan untuk penaksiran cadangan karbon hutan (ground-based forest carbon accounting)*. SNI 7724:2011. Badan Standarisasi Nasional.Indonesia.
- Soehartono, T., and Newton A.C., 2001. *Conservation and Sustainable Use of Tropical Trees in The Genus Aquilaria II*. Impact of The Gaharu Harvest in Indonesia. *Biological Conservation* 97:29–41.
- Song, Nio B., dan Yunia. 2011. *Konsentrasi Klorofil Daun Sebagai Indikator Kekurangan Air Pada Tanaman*. Jurnal Ilmiah Sains Vol. 11 No. 2. Hal 169-170.
- Spurr S.H., dan Barnes B.V., 1980. *Forest Ecology*. third edition. John Wiley and Sons. New York.
- Subowo Y.B., 2014. *Jamur Pembentuk Gaharu Sebagai Penjaga Kelangsungan Hidup Tanaman Gaharu (Aquilaria sp)*. Jurnal Tek. Lingkungan Vol 11. No.2 Halaman 167-173. ISSN 1441-318x. Jakarta.
- Sudomo A, Permadi P, dan Rachman E., 2007. *Kajian control silvikultur hutan taaman terhadap kualitas kayu pulp*. INFO TEKNIK Vol.5 No.2 September 2012. Balai Besar Penelitian Bioteknologi dan Pemuliaan Tanaman Hutan.
- Suhartati dan Wahyudi A., 2011. *Pola Agroforestri Tanaman Penghasil Gaharu dan Kelapa Sawit*. Jurnal Penelitian Hutan dan Konservasi Alam. Vol.8 No.4:363-371.
- Suhartati dan Nursyamsi, 2006. Jurnal Penelitian Hutan Tanaman. Vol 3 No.3 Juni 2006, 193-200
- Suhendra A., Yuda P.R. dan Handayani D.P., 2012. *Aplikasi Inokulasi Fusarium untuk Mempercepat Proses Pembentukan dan Produksi Gubal Gaharu di Kabupaten Penajam Paser Utara Kalimantan Timur*. Prosiding Insimas 2012.
- Sumarna Y., 2008. *Beberapa Aspek , Populasi Pohon, dan Permudaan Alam Tumbuhan Penghasil Gaharu Kelompok Karas (Aquilaria sp) Di Wilayah*

Provinsi Jambi. Jurnal Penelitian Hutan Dan Konsevasi Alam Vol. V No. 1:93-99.

Sumarna Y., 2008. *Pengaruh Jenis Media dan Pupuk Nitrogen, Posfor, dan Kalium (NPK) Terhadap Pertumbuhan Bibit Pohon Penghasil Gaharu Jenis Karas (Aquilaria Malaccensis)*. Jurnal Penelitian Hutan Dan Konsevasi Alam Vol. V No.2:193-199.

Sumarna Y., 2009. *Gaharu Budidaya dan Rekayasa Produksi*. Jakarta: Penerbit Penebar Swadaya.

Sumida A., Ito H., dan Isagi Y., 1997. *Trade off between height growth and stem diameter growth for an evergreen Oak, Quercus glauca, in a mixed hardwood forest*. Functional Ecology 11, 300-309. Ecological Society. British.

Surata dan Sunarno, 2011. *Penanaman Gaharu (Gyrinops versteegii (Gilg.) Domke Dengan Sistem Tumpangsari di Rarung, Propinsi Nusa Tenggara Barat*. Jurnal Penelitian Hutan dan Konservasi Alam Volume 8 No. 4:349-361.

Susanti S dan Marhaeniyanto E., 2016. *Proporsi Penggunaan Berbagai Jenis Daun Tanaman untuk Pakan Ternak Kambing pada Lokasi dan Ketinggian Berbeda di Wilayah Malang Raya*. Jurnal Ilmu-ilmu Peternakan 26 (3) 42-52. ISSN: 0852-3681, E-ISSN:2443-07665.

Susila K.D., dan Mega I.M., 2012. *Aplikasi pemupukan berimbang untuk peningkatan laju pertumbuhan tanaman gaharu (Gyrinops versteegii) di Kabupaten Tabanan*. Agrotrop 2(1):10-16 (2012) ISSN:2088-155x. Fakultas Pertanian Universitas Udayana. Denpasar. Bali. Indonesia.

Susilo A., Kalmia T., Santoso E., 2014. *Panduan Lapangan Pengenalan Jenis Pohon Gaharu Gyrinops Spp. Di Indonesia*. Kementerian Kehutanan Badan Penelitian dan Pengembangan Kehutanan Pusat Penelitian dan Pengembangan Konservasi dan Rehabilitasi Bekerjasama Dengan International Tropical Timber Organization (ITTO)-Cites Phase II Project Bogor, Indonesia.

Suwardi dan Edriana, 2005. *Gaharu Dan Prospek Peningkatan Nilai Tambah Melalui Penyulingan Tepat Guna. Proseding Seminar Nasional Gaharu. Peluang Dan Tantangan Pengembangan Gaharu Di Indonesia*. Bogor. 1-2 Desember 2005. Published By Seameo Biotrop Southeast Asian Tegenal Centre for Tropical Biology. Bogor. Indonesia.

Tarigan, K. 2004. *Profil Pengusahaan (Budidaya) Gaharu*. Pusat Bina Penyuluhan Kehutanan. Departemen Kehutanan. Jakarta.



- Tajuddin S.N., Aizal C.M., dan Yusoff M., 2016, *Resolution of Complex Sesquiterpene Hydrocarbons in Aquilaria malaccensis Volatile Oils Using Gas Chromatography Technique* dalam *Agarwood Science Behind the Fragrance*, diedit oleh Momahed R, Singapore: Springer.
- Than A., 2007. *Eco-based Sustainable Development of Agarwood in Myanmar. Conference Booklet*. Second International Agarwood Conference and Workshop. Bangkok and Koh Chang, Thailand.
- Tian J., Lei W., Gao X., dan Qu L., 2013. *Molecular Identification of Endophytic From Aquilaria Sinensis and Artificial Agarwood Induced By Pinholes-Infusion Technique*. African Journal of Biotechnology Page 3115-3131. Diunduh Pada Tanggal 6 April 2016.
- Ueda J., Imamura L, Tezuka Y., Tran Q.L., Tsuda M., dan Kadota S., 2006. *New sesquiterpene from Vietnamese agarwood and its induction effect on brain-derived neurotrophic factor mRNA expression in vitro*. Journal of Bioorganic and Medicinal Chemistry 14 (2006) 3571-3574. Elsevier.
- Umagapi M., Pangemanan, Rombang dan Marthin T.L., 2011. *Riap Gyrinops versteegii Domke Pada Lahan dengan Kedalaman Muka air Tanah yang Berbeda*.
- Vantompan W., Putra D., Savante A., dan Muhamad A.W., 2015. *Perbandingan Inokulasi Fusarium sp Menggunakan Metode Infus dan Injeksi untuk Mendapatkan Gaharu pada Pohon Aquilaria malaccensis*. Jurnal JKK Volume 4 (1), halaman 34-37. ISSN 2303-1077.
- Vantompan, Wibowo M.A., Savante, dan Wawa, 2015. *Perbandingan Inokulum Fusarium Spp. Menggunakan Metode Infus dan Injeksi Untuk Mendapatkan Gaharu Pada Pohon Aquilaria malaccensis*. Journal JKK Volume 4 (1) Halaman 34-37. ISSN 2303-1077.
- Widyastuti, Sumardi, dan Harjono, 2005. *Patologi Hutan*. Gadjah Mada University Press. Cetakan pertama. Anggota Ikapi. ISBN 979-420-596-6. Bulaksumur. Yogyakarta.
- Yang M., Heyan F., Yaoguang L., Han H., Bin Z., Chaoliang X., dan Nian C., 2014. *Modified Transfusion Devices, Inducer, and Procedure for Agarwood-Inducing by Infusion Technique*. Journal of Chemical and Pharmaceutical Research 2014, 6 (7):2566-2571. [www.jocpr.com](http://www.jocpr.com). Diunduh pada tanggal 8 Februari 2014.
- Yoda K., 1974. *Three-Dimensional Distribution of Light Intensity in A Tropical Rain Forest of West Malaysia*, Japanese Journal of Ecology, Volume 24, No.4.

Zobel B.J., dan Buijtenen J.P.V., 1989. *Wood Variation Its Causes and Control*.  
Springer-Verlag Berlin Heidelberg New York. ISBN-13:978-3-642-  
74071-8; DOI:10.1007/978-3-642-74069-5.