

## DAFTAR PUSTAKA

- Abbaszadeh B, H A Farahani, S A ValadAbadi and H H Darvishi. 2009. Nitrogenous fertilizer influence on quantity and quality value of balm (*Melissa officinalis* L.). *J. Agri Ext. and Rural Develop*, 1(1):031-033
- Aini, M.N.N., Said, M.I., Nazlina, I., Hanina, M.N. and Ahmad, I.B. 2006. Screening for antiviral activity of sweet lemon grass (*Cymbopogon nardus* (L.) rendle) fractions. *J. Biol. Sci.* 6: 507-510.
- Andayani W. 2005. *Ekonomi Agroforestri*. Yogyakarta: Debut Press.
- Anggraeni I dan NE Lelana. 2011. *Penyakit Karat Tumor pada Sengon*. Jakarta: Badan Peneliti dan Pengembangan Kehutanan.
- Anggraeni I dan Wibowo A. 2007. Pengaruh Pola Tanam Wanatani Terhadap Timbulnya Penyakit dan Produktivitas Tanaman Tumpangsari. Buletin Info Hutan Tanaman. Jakarta: Pusat Penelitian dan Pengembangan Hutan Tanaman.
- Anggraeni I, B Dendang dan NE Lelana, 2010. Pengendalian Penyakit Karat Tumor (*Uromycladium tepperianum*) Pada Sengon (*Falcataria mollucana*) Di Panjalu, Ciamis, Jawa Barat. *Jurnal Penelitian Hutan Tanaman* 7 (5): 273-278.
- Ariyantoro H. 2006. *Budidaya Tanaman Kehutanan*. Yogyakarta: PT. Citra Aji Parama
- Awang S A. 2003. *Politik Kehutanan Masyarakat*. Yogyakarta: Kreasi Wacana.
- Badan Pusat Statistik. 2020. *Statistik Hortikultura Indonesia*. Jakarta: BPS RI/ BPS-Statistics Indonesia.
- Badan Pusat Statistik. 2019. *Statistik Tanaman Biofarmaka Indonesia*. Jakarta: BPS RI/ BPS-Statistics Indonesia.
- Balittanah. 2012. *Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk*. Balai Penelitian Tanah.
- Barba N.H. 2016. Pengaruh Pemupukan dan Jarak Tanam Terhadap Pertumbuhan Tanaman Serai Wangi (*Cymbopogon citratus*). *Jurnal Triton*, 7 (1).
- Mokoginta M. M. 2018. *Pengelolaan agroforestry*. Jakarta: Deepublish
- Basavaraju, T.B., Nanjappa, H.V., Umesha, K., Vasundhara, M. and Arulraj, S. 2011. Intercropping of medicinal and aromatic plants in coconut gardens. *Journal of plantation Crops* 39(2): 299- 304
- Basrudin dan Wahyuni S. 2017. Keragaman dan Potensi Biomassa Tumbuhan Bawah pada Hutan Tanaman Jati (*Tectona grandis* L.f.) di Desa Lambakara Kecamatan Laeya Kabupaten Konawe Selatan. *Ecogreen* 3 (2): 97-104.
- Bhattacharyya, G.K. and R.A. Johnson. 1977. *Statistical concepts and methods*. USA: Ed. John Wiley and Sons, Inc.,

- Billerbeck, V.G., Roques, C.G., Bessiere, J.M., Fonvieuille, J.L. and Dargent, R. 2001. Effects of *Cymbopogon nardus* (L.) W. Watson essential oil on the growth and morphogenesis of *Aspergillus niger*. *Can. J. Microbiol.* 47: 9-17.
- Blanco MM, Costa CAR, Freire AO, Santos JG Jr, Costa M. 2007. Neurobehavioral effect of essential oil of *Cymbopogon citratus* in mice. *Phytomedicine*. doi:10.1016/j.phymed.04.007.2007
- Bommegowda A.. 1978. *Agronomic investigations on Java citronella*. PhD Thesis, University of Agricultural Sciences, Bangalore, India.
- Budiastuti S. 2013. Sistem Agroforestri Sebagai Alternatif Hadapi Pergeseran Musim Guna Mencapai Keamanan Pangan. *Jurnal Ekosains* 5 (1): 1-5
- Castro, H.G., Perini, V.B.M., Santos, G.R. Dos & Leal, T.C.A. B. 2010. Evaluation of the content and composition of *Cymbopogon nardus* (L.) essential oil at different harvesting times. *Revista Ci Fortaleza*, 41, pp. 308 314 (in Portuguese).
- Chauhan, H.S. 2002. Performance of poplar (*Populus deltoids*) based agro-forestry system using aromatic crops. *Indian Journal of Agroforestry* 2: 17-21.
- Chundawat, B.S., Dave, S.K. and Patel, N.L. 1983. Effect of close planting on the yield and quality of *Lactana banana*. *Indian Journal of Agricultural Sciences* 53: 470- 477
- Cookson, S.J. dan C. Granier. 2006. A dynamic analysis of the shade-induced plasticity in *arabidopsis thaliana* rosette leaf development reveals new components of the shade-adaptative response. *Annals of Botany*. 97: 443– 452.
- Correa Junior, C. & Scheffer, M.C. 2013. Good agricultural practice (BPA) of medicinal, aromatic and spice plants. Curitiba: EMATER, 55 pp. (in Portuguese).
- Crespo-Ortiz, M. P., & Wei, M. Q. 2012. Antitumor activity of artemisinin and its derivatives: From a well-known antimalarial agent to a potential anticancer drug. *Journal of Biomedicine and Biotechnology*, 2012, Article ID 247597.
- Cruz P. 1997. Effect of Shade on the Growth and Mineral Nutrition of C4 Perennial Grass Under Field Conditions. *Journal of Plant and Soil* 188 : 227-237
- Darusman D dan Hardjanto. 2006. Tinjauan ekonomi hutan rakyat. Prosiding Seminar Hasil Penelitian Hasil Hutan. Bogor, 13 April 2006. Badan Litbang Kehutanan.
- da Costa V A S, Mara C H, Horn A H. 2020. Management of citronella (*Cymbopogon winterianus* Jowitt ex Bor) for the production of essential oils. *Springer Nature Applied Sciences* 2: 2132. <https://doi.org/10.1007/s42452-020-03949-8>
- Danha L.T., Truog P., Foester N. 2009. Response surface method applied to supercritical carbon dioxide extraction of *Vetiveria zizanioides* essential oil. *Engineering Journal*, 155, 617-626.
- Dani MR, Inonu I, dan Kartika. 2016. Pengaruh Fungi Mikoriza Arbuskula Terhadap Pertumbuhan dan Produksi Serai Wangi (*Cymbopogon nardus* L.) di Lahan

Tailing Pasir Pasca Penambangan Timah. Prosiding Seminar Nasional Lahan Suboptimal tanggal 20-21 Oktober 2016 di Palembang

- Dewan Atsiri Indonesia (DAI). 2009. *Booklet Minyak Atsiri Indonesia*. Jakarta.
- de Foresta H, A Kusworo, G Michon dan W A Djatmiko. 2000. *Ketika Kebun Berupa Hutan: Agroforest Khas Indonesia., Sebuah Sumbangsih Masyarakat*. Bogor : ICRA. pp.249
- Dian P S, Dwi N W, E Yani. 2020. Keanekaragaman Tumbuhan Bawah pada berbagai Umur Tegakan Jati (*Tectona grandis* L.) di KPH Banyumas Timur . BioEksakta: *Jurnal Ilmiah Biologi Unsoed* 2 (1): 79 – 85
- Dinas Pertanian Tulang Bawang. 2022. Budidaya Serai Wangi. <https://distani.tulangbawangkab.go.id/news/read/4474/budidaya-serai-wangi>. Diakses Diakses pada 21 Oktober 2022
- Direktorat Jenderal Perkebunan. 2013. *Statistik perkebunan Indonesia 2012– 2014: Tanaman semusim*. Jakarta: Departemen Pertanian.
- Ditjenbun. 2007. *Statistik perkebunan*. Jakarta: Direktorat Jenderal Perkebunan, Sekretariat Ditjenbun. Departemen Pertanian.
- Djoar, D. W., Sahari, P., and Sugiyono. 2012. Studi Morfologi dan Analisis Korelasi Antar Karakter Komponen Hasil Tanaman Serai Wangi (*Cymbopogon* sp.) dalam Upaya Perbaikan Produksi Minyak. *Jurnal Caraka Tani* 27(1): 15–24.
- Dutta L. and N. Dutta. 1976. Effect of nitrogenous fertilizers on yield and quality of citronella oil. *Indian J. Agric. Chem.*, 9 (1-2), 67-72.
- Evans, J. R., & Santiago, L. S. 2014. Prometheus wiki gold leaf protocol: Gas exchange using LI-COR 6400. *Functional Plant Biology*, 41(3), 223–226. DOI: 10.1071/FP10900
- El-Sayed AA, El-Leithy AS, Swaefy HM, Senossi Z FM. 2018. Effect of NPK, bio and organic fertilizers on growth, herb yield, oil production and anatomical structure of (*Cymbopogon citratus*, Stapf) plant. *Annu Res Rev Biol* 26:1–15. <https://doi.org/10.9734/ARRB/2018/41038>
- Eranki V.S. & M Singh. 1991. Long-term Studies on Yield and Quality of Java Citronella (*Cymbopogon winterianus* Jowitt) in Relation to Nitrogen Application, *Journal of Essential Oil Research*, 3:6, 419-424, DOI: 10.1080/10412905.1991.9697977
- Figueiredo AC, Barroso JG, Pedro LG. 2006. *Aromatic and medicinal plants. Factors affecting production. Potential and applications of aromatic and medicinal plants. Theoretical-practical course*. 1ª edição. Edition of the Faculty of Sciences of the University of Lisbon - Plant Biotechnology Center. Lisboa, pp 48–54
- Figueiredo RO, Delachiave MEA, Ming IC. 2006. Plant regulators in the production of biomass and essential oil content in *Cymbopogon citratus* (D.C.) Stapf, at different times of the year. *Braz J Med Plants* 8:31–35

- Fauzi M A, T M Hasna, D Setiadi, dan H A Adinugraha. 2020. Variasi Morfologi Empat Spesies Jati (*Tectona* Sp) di Asia Tenggara: Potensi Pemuliaan Pohon dan Bioteknologinya. *Biota: Jurnal Ilmiah Ilmu-Ilmu Hayati*, Vol. 5 (2): 115-123, DOI: 10.24002/biota.v5i2.2946
- Gardner FP, Pearce RB, and Mitchell RL. 1991. *Physiology of Crop Plants*. Diterjemahkan oleh H.Susilo. Jakarta. Universitas Indonesia Press.
- Gupta, U.C. 1993. Boron, molybdenum, and selenium. In M.R. Carter, Ed. *Soil Sampling and Methods of Analysis*. CRC Press, Boca Raton, FL, pp. 91–99. DOI: 10.1016/j.scienta.2017.01.038
- Gunawan, A Rohandi. 2018. Produktivitas dan Kualitas Tiga Varietas Jahe pada Berbagai Tingkat Intensitas Cahaya di Bawah Tegakan Tusam. *Jurnal Agroforestri Indonesia* 1 (1): 1-13
- Gupta, P., Mishra, A., Yadav, A. & Dawhan, S.S. 2018. Inter and intra-specific molecular and chemical diversity of elite accessions of aromatic grasses *Cymbopogons*. *Journal of Applied Research on Medicinal and Aromatic Plants, Stuttgart*, 11, pp. 54 60
- Gusmaini dan M Syakir. 2020. Efek Kalium Terhadap Pertumbuhan, Produksi dan Mutu Seraiwangi. *Jurnal Littri* 26 (1): 32-39. DOI: <http://dx.doi.org/10.21082/littri.v26n1.2020>.
- Gomez, K.A. and A.A. Gomez. 1984. *Statistical Procedures for Agricultural Research* (2 ed.). New York: John Wiley and sons
- Hanifa R, Nurheni W and Arum S W. 2023. The Growth of Sengon (*Parasariesthes Falcataria*) and Citronella (*Cymbopogon Nardus*) Productivity Performance in Agroforestry System. *Biodiversitas* (24) 6. DOI: <https://doi.org/10.13057/biodiv/d240603>
- Hernandez- Lambrano, R., Pajaro-Castro, N., Caballero-Gallardo, K., Stashenko, E. & Olivero- Verbel, J. 2015. Essential oils from plants of the genus *Cymbopogon* as natural insecticides to control stored product pests. *Journal of Stored Products Research*, Oxford, 62, pp. 81 83.
- Harneet Kaur, Urvashi B., Ramandeep K and Harleen K. 2021. Chemical Composition and Antifungal Potential of Citronella (*Cymbopogon nardus*) Leaves Essential Oil and its Major Compounds. *Journal of Essential Oil-Bearing Plants* 24 (3): 571 – 581.
- Hairiah K, Arifin J, Prayogo C, Widiyanto dan Sunaryo. 2002. Prospek Agroforestri Berbasis Kopi sebagai Cadangan Karbon. *Agroteksos*, 12(2):145-150.
- Hairiah K, Sardjono MA, dan Sabarnurdin S. 2003. Pengantar agroforestri. Bahan ajaran agroforestri 1. World Agroforestry Centre (ICRAF) Southeast Asia. Bogor.
- Handayanto E. 1999. *Nitrogen Mineralization from legume tree prunings of different quality*. Thesis for Doctor of Philosophy. London: Department of Biological Sciences, Wye College, University of London. Pp 176.

- [ICRAF] World Agroforestry Center. 2006. *Agroforestry Tree database. Paraserianthes falcataria*. <http://www.worldagroforestrycenter.org/sea/copyright>. Diakses pada tanggal 31 April 2021
- Ibrahim, M.M. and Khalid, K.A. 2013. Phenotypic recurrent selection on herb growth yield of citronella grass (*Cymbopogon nardus*) grown in Egypt. *Nusantara Biosci.* 5: 70-74.
- Iskandar M I. 2006. Pemanfaatan Kayu Hutan Rakyat Sengon (*Paraserianthes Falcataria* (L) Nielsen) Untuk Kayu Rakitan. Prosiding Seminar Hasil Litbang Hasil Hutan. Bogor. Pp 183-195
- Innsan, M.F., Shahril, M.H., Samihah, M.S., Asma, O.S., Radzi, S.M., Jalil, A.K.A. and Hanina, M.N. 2011. Pharmacodynamic properties of essential oils from *Cymbopogon species*. *Afr. J. Pharm. Pharmacol.* 5(24): 2676-2679.
- Juliarti A, N Wijayanto , I Mansur , Trikoesoemaningtyas . 2021. Citronella (*Cymbopogon nardus* L.) Oil Yield Analysis Planted with Agroforestry and Monoculture Patterns on Post-Coal Mining Revegetation Land. *Jurnal Manajemen Hutan Tropika*, 27(1): 15-23
- Joanne. B., Linda A.Anderson, J.David Phillipson. (2007). Herbal Medicines, third edition. Germany: Pharmaceutical Press.
- Jyotsna N, Ghosh D C, Meitei W I. 2012. Study of growth, yield and quality of organically grown ginger varieties under rainfed condition of Manipur, *Journal of Crop and Weed* 8 (1): 17–21.
- Juliarti A, Nurheni Wijayanto , Irdika Mansur, Trikoesoemaningtyas. 2020. Analisis Rendemen Minyak Seraiwangi (*Cymbopogon nardus* L.) yang Ditanam dengan Pola Agroforestri dan Monokultur pada Lahan Revegetasi Pasca Tambang Batubara. *Jurnal Sylva Lestari* 8 (2): 181-188
- Krisnawati, H, E.Varis., M. Kallio dan M. Kanninen. 2011. *Paraserianthes falcataria* (L.) Nielsen: *Ekologi, Silvikultur dan Produktivitas*. Bogor: CIFOR
- Karki H, K Bargali and S S Bargali. 2021. Nitrogen mineralization patterns in *Populus deltoides* and *Tectona grandis* based agrisilvicultural practices in Central Himalaya, India. *Vegetos* 34: 86–93. <https://doi.org/10.1007/s42535-021-00195-0>
- Kartasapoetra G, Kartasapoetra AG, Sutedjo MM. 2005. *Teknologi Konservasi Tanah dan Air*. Cetakan kelima. Jakarta: Rineka Cipta.
- Kusumedi P. 2010. *Sistem Agroforestri Hutan Rakyat dalam Mendukung Pengelolaan DAS Berkelanjutan*. Laporan Hasil Penelitian. Balai Penelitian Kehutanan Solo. Solo.
- Kiswanto, D Indradewa, dan E Tarwaca. 2012. Pertumbuhan dan Hasil Jagung (*Zea Mays* L.), Kacang Tanah (*Arachis Hypogaea* L.), dan Jahe (*Zingiber Officinale* Var. *Officinale*) pada Sistem Agroforestri Jati di Zona Ledok Wonosari, Gunung Kidul. *Jurnal Vegetalika* 1 (3).



- Katz TM, Miller JH, Hebert AA. 2008. Insect repellents: historical perspectives and new developments. *J Am Acad Dermatol* 58: 865–871
- Ketaren, S. dan B. Djatmiko, 1978. *Minyak atsiri bersumber dari daun*. Dep. THP, Fatemeta IPB, Bogor. hal. 1-16.
- Ketaren S. 1985. Pengantar Teknologi Minyak Atsiri. Jakarta: Balai Pustaka.
- Kumar V, Dr. Meenu Sood, Anand Singh and Suman Kushwah. 2021. Performances of *Lepidium sativum* under peach based Horti medicinal system agroforestry. *Journal of Pharmacognosy and Phytochemistry* 2021; 10(1): 2644-2649
- Kementerian Perdagangan. 2017. Perkembangan Ekspor Nonmigas (komoditi) periode: 2012–2017. <http://www.kemendag.go.id/id/economic-profile/indonesia-export-import/growth-of-non-oil-and-gas-export-commodity>. Diakses pada 29 Agustus 2021
- Kusumaningrum H P, M Zainuri, H Endrawati and E D Purbajanti. 2020. Characterization of citronella grass essential oil of *Cymbopogon winterianus* from Batang region, Indonesia. *Journal of Physics: Conference Series* 1524: 012057. doi:10.1088/1742-6596/1524/1/012057
- Katiyar R, Gupta S, Yadav K R . 2011. *Cymbopogon winterianus: an important species for essential Java citronella oil and medicinal values*. In: National conference on forest biodiversity: earth's living treasure FRI Kanpur.
- Kumar B M. 2006. Agroforestri : the new old paradigm for Asian food security. *Journal of Tropical Agriculture* 44: 1– 14.
- Lal, M., Duttab, S., Munda, S. and Pandey, K.S. 2018. Novel high value elemicin-rich germplasm of lemon grass (*Cymbopogon khasianus* (Hack) Stapf (ex Bor) from North East India. *Ind. Crops Prod.* 115: 98–103.
- Lambers H, F S Chapin, T L Pons. 1998. *Plant Physiological Ecology*. New York: Springer Verlag Inc.
- Lehninger, A.L. 1990. *Dasar-dasar Biokimia*. Jakarta: Penerbit Erlangga
- Ma'mun, & Nurdjannah, N. 1993. Pengaruh Perajangan Dan Lama Pelayuan. Terhadap Rendemen Dan Mutu Minyak Serai Dapur (*Cymbopogon citratus*. Stapf). *Bal. Litro*, Vol. VIII, No. 1, 42-45
- Mayoli R N, Isutsa D. 2012. Relationships of Light Intensity and Temperature With Growth and Development of Preconditioned and Shaded. *International Journal Of Advanced Biological Research* 2 (1): 24–29
- Mayrowani H, Ashari. 2011. Pengembangan Agroforestri untuk Mendukung Ketahanan Pangan dan Pemberdayaan Petani Sekitar Hutan. *Forum Penelitian Agro Ekonomi* 29 (2): 83–98.
- Martin, M.F and S. Sherman. 1992. *Agroforestry Principles*. <http://www.echonet.org/cc>. Diakses tanggal 31 April 2021.
- Marjenah. 2007. Pertumbuhan Tanaman Jati (*Tectona grandis* L.F) pada beberapa Sistem Lahan di Kalimantan Timur. *Rimba Kalimantan*, 12 (1): 43-50.

- Matatula J. 2009. Upaya rehabilitasi lahan kritis dengan penerapan teknologi agroforestry sistem silvopastoral di Desa Oebola Kecamatan Fatuleu Kabupaten Kupang. *Jurnal Inotek* 13 (1):63-74.
- Murtinah V, Marjenah, A Ruchaemi, dan D Ruhiyat. 2015. Pertumbuhan Hutan Tanaman Jati (*Tectona Grandis* Linn. F.) di Kalimantan Timur. *Jurnal AGRIFOR*, 14 (2): 287-292.
- Munda, S., Dutta, S. and Lal, M. 2020. Variability estimation and genetic divergence in *Cymbopogon winterianus* for development of superior genotype. *Agron. J.* 113: 993-1007.
- Munsi P. S. and S. K. Mukherjee. 1982. Effect of fertilizer treatments on yield and economics of cultivation of Mentha, citronella and palmarosa. *Indian Perfum.*, 26(2-4), 74-80
- Nakahara, K., Alzoreky, N.S., Yoshihashi, T., Nguyen, H.T.T. and Trakoontivakorn, G. 2003. Chemical composition and antifungal activity of essential oil from *Cymbopogon nardus* (Citronella grass). *Jpn. Agric. Res. Q.* 37(4): 249-252.
- Narayana M. R., R. S. Ganesha Rao, M.N.A. Khan and B. P. Dimri. 1975. Response of Java citronella to fertilizer application. Proc. Natl. Symp. Medicinal & Aromatic Plants, Central Institute of Medicinal and Aromatic Plants, Lucknow, India, p 13
- Nidavani, Ramesh B., Mahalakshmi AM. 2014. Teak (*Tectona grandis* Linn.): A Renowned Timber Plant with Potential Medicinal Values. *Review Article*, 6 (1). ISSN-0975-1491
- Nair R. 1993. *An Introduction to Agroforestry*. Boston: Kluwer Academic Publisher- Boston in cooperative with International Centre for Research in Agroforestry.
- Nasution A S. 2008. *Mengenai kayu sengon*. <http://www.dephut.go.id/>. Diakses pada tanggal 31 April 2021
- Neita J C, Escobar F. 2012. The potential value of agroforestri to dung beetle diversity in the wet tropical forests of the Pacific lowlands of Colombia. *Agroforestry Systems*, 85 (1): 121–131. <https://doi.org/10.1007/s10457-0119445-9>
- Novák, V., & Hlaváčiková, H. 2019. *Applied Soil Hydrology*. 32, 354 p. DOI: 10.1007/978-3-030-01806-1
- Nascimento, J.C., Barbosa, L.C.A., Paula, V.F., David, J.M., Fontana, R., Silva, L.A.M. 2011. Chemical composition and antimicrobial activity of essential oils of *Ocimum canum* Sims. and *Ocimum selloi* Benth. *Anais da Academia Brasileira de Ciencias*, Rio de Janeiro, 83, pp. 787 799.
- Nobre, R.G., Lima, G., Gheyi, G. Da S., Soares, L.A. & Dos, A. 2013. Emergence, growth and yield of papaya under saline stress and nitrogen fertilization. *R Fortaleza*, 44(1), pp. 76 85 (in Portuguese).
- Oliveira, M.M.M., Brugnera, D.F., Cardoso, M. Das, G., Alves, E. & Piccoli, R.H. 2010. Disinfectant action of *Cymbopogon* sp. essential oils in different phases of

- biofilm formation by *Listeria monocytogenes* on stainless steel surfasse. *Food Control, Reading*, 21(4), pp. 549-553.
- Overman AR, Scholtz RV III. 2002. Mathematical models of crop growth and yield. New York, Basel: Marcel Dekker AG
- Pasaribu G, Sisilia L. 2012. Peningkatan Mutu Kayu Jati (*Tectona grandis*) Hasil Penjarangan asal Kabupaten Cianjur, Bogor. *J. Tengawang*; 2(1): 27-37.
- Patidar S, A S Gontia, A Upadhyay and P S Nayak. 2011. Biochemical constituents in Kalmegh (*Andrographis paniculata* Nees.) under various row spacing's and nitrogen levels. *World Appl. Sci. Journal*, 15(8):1095-1099.
- Prakasa Rao V.S., M. Singh and G. Chandrasekhara. 1988. Effect of nitrogen application on herb yield, nitrogen uptake and nitrogen recovery in Java citronella (*Cymbopogon winterianus* Jowitt). *Indian J. Agron.*, 33(4), 412-415
- Prakasa Rao V.S., M. R. Narayana, M. Singh and K. Puttanna. 1983. Effect of N, P and K fertilisers on growth, yield and nutrient uptake in Java citronella (*Cymbopogon winterianus* Jowitt). *J. Agron. & Crop Sci.*, 152, 279-283
- Padalia RC, Verma RS, Chanotiya CS, Yadav A. 2011. Chemical fingerprinting of the fragrant volatiles of nineteen Indian cultivars of *Cymbopogon Spreng.* (Poaceae). *Rec Nat Prod* 5:290–299
- Purwanti N H, Taryono. 2018. The Growth of Tiwai (*Eleutherine Americana* L. Merr.) under Different Forest Tree Stands in Agroforestry System. *Agrinova: Journal of Agriculture Inovation Voluem* 1 (2): 56-60
- Padma E., G. Ramanandam, A.V.D. Dorajee Rao, M. Kalpana and H. P. Maheswarappa. 2018. Performance of Medicinal and Aromatic Crops as Intercrops in Coconut Garden under East Coast of Andhra Pradesh. *Int. J. Pure App. Biosci.* 6 (2): 421-426
- Prakoso Rao V.S, Narayana MR, Singh M, Puttanna K. 1983. Effect of NP and K fertilizers on growth, yield and nutrient uptake in Java citronella (*C. winterianus* Jowitt). *Z Acker und Pflanzenbau* 152: 279–283
- Prakash Rao, E.V.S., Singh, M. and Ganesh Rao, R.S. 1988. Intercropping studies in Java citronella (*Cymbopogon winterianus*). *Field Crop Research* 18: 279-286
- Pujar, S.A., Madiwalar, S.L., Channabasappa, K.S. and Kumar, P. 2007. Performance of Medicinal and Aromatic plants as intercrops with Teak. *Karnataka Journal of Agricultural Sciences*. 20(1): 179-180
- Phonguodume, C, Lee D K, Sawathvong, S, Park Y D, Hoo M, Combalicer E A. 2012. Effects of Light Intensities on Growth Performance, Biomass Allocation and Chlorophyll Content of Five Tropical Deciduous Seedlings in Lao PDR. *Environmental Science and Management* 6 (7): 60–67.
- Pribadi E R, M Januwati dan M Yusron. 2000. Potensi Tanaman Obat sebagai Tanaman Sela Di Bawah Tegakan Hutan Rakyat. Prosiding Simposium Nasional dan Kongres VII PERAGI, Bogor, 21 - 23 Maret 2000.



- Purnomo D & SM Sitompul. 2006. Irradiasi pada Sistem Agroforestri Berbasis Jati dan Pinus serta Pengaruhnya terhadap Pertumbuhan Tanaman Kedelai. *Biodiversitas* 7: 251-255.
- Purwanto, E Handayanto, D Suprayogo dan K Hairiah. 2006. Dampak alih guna hutan menjadi agroforestri kopi terhadap potensial nitrifikasi di Sumberjaya, Lampung Barat. *Agrivita*, 28 (1): 267-285.
- Purwanto, E, Handayanto., D, Suparyogo., K, Hairiah. 2007. Nitrifikasi Potensial dan Nitrogen-Mineral Tanah pada Sistem Agroforestri Kopi dengan Berbagai Spesies Pohon Penaung. *Pelita Perkebunan*. 23 (1). April 2007. 35-56
- Raharjo JT, Sadono R. 2008. Model Tajuk Jati (*Tectona grandis*) dari Berbagai Famili pada Uji Keturunan Umur 9 Tahun. *J Ilmu Kehutanan* 2 (2): 89-95.
- Rostiana O, N Bermawie, M Rahardjo. 2005. Standar Prosedur Operasional Budidaya Jahe, Kencur, Temulawak, Kunyit, Sambiloto dan Pegagan. *Sirkuler* No. 11, 2005. Balitro. p. 1-12.
- Rupes News Letter. 2004. Volume 2, Issue 1, June 2004.
- Rosman R. 2012. *Kesesuaian Lahan dan Iklim Tanaman Seraiwangi*. Bunga Rampai Inovasi Tanaman Atsiri Indonesia. Balitro, hal.95-104
- Ross, Ivan. 1999. *Medicinal Plants of the World Chemical Constituents, Traditional & Modern medicinal Uses*. New Jersey: Humana Press
- Rusli, S. 2008. Budidaya seraiwangi. Bogor: Balai Penelitian Tanaman Rempah dan Obat, Pusat Penelitian dan Pengembangan Perkebunan.
- Salisbury, F.B. dan Ross, C.W. 1995. *Fisiologi Tumbuhan Jilid 1* (diterjemahkan oleh Diah R. Lukman dan Sumaryono). Bandung: Penerbit ITB Press
- Singh K M. 2012. Use of chemical fertilizer for lemon grass cultivation in Bihar. *SSRN Electronic Journal*, 2(1).
- Singh R. S., M. G. Pathak and D. N. Bodoloi. 1980. Response of Java citronella cultivars to nitrogen under Jorhat condition. *Indian Perfum.*, 24(4), 192-198
- Silva CF, Moura FC, Mendes MP, Pessoa FLP. 2011. Extraction of citronella (*Cymbopogon nardus*) essential oil using supercritical carbon dioxide: experimental data and mathematical modeling. *Brazilian J Chem Eng* 28:343–350
- Santi NS, Inonu I, dan Kartika. 2016. Pengaruh Dosis Pupuk Kotoran Sapi Terhadap Pertumbuhan dan Produksi Serai Wangi (*Cymbopogon nardus* L.) di Lahan Tailing Pasir Pasca Penambangan Timah. Prosiding Seminar Nasional Lahan Suboptimal tanggal 20-21 Oktober 2016 di Palembang.
- Syukur C dan Trisilawati O. 2019. *Sirkuler: Varietas Unggul Seraiwangi, Teknologi Budidaya dan Pasca Panen*. Bogor: Balai Penelitian Tanaman Rempah dan Obat, Pusat Penelitian dan Pengembangan Perkebunan.
- Sudarmadji, S., B. Haryono dan E. Suhardi. 1996. *Analisa Bahan Makanan dan Pertanian*. Yogyakarta: Liberty Press

- Sulaswatty A., M S Rusli, H Abimanyu, Silvester T. 2019. *Quo Vadis, Minyak Serai Wangi dan Produk Turunannya*. Jakarta: LIPI Press.
- Sukanto D M and Suheryadi D. 2011. Serai Wangi (*Cymbopogon nardus* L) sebagai penghasil minyak atsiri, tanaman konservasi dan pakan ternak. In: Inovasi Teknologi Mendukung Peningkatan Nilai Tambah, Daya Saing dan Ekspor Perkebunan. Prosiding Seminar Nasional Inovasi Perkebunan. Bogor (Indonesia) Puslitbangbun hlm pp. 175-80
- Seixas PTL. 2012. Effect of mineral fertilization on biomass production, content and composition of essential oil and in vitro fungitoxicity of citronella grass. Dissertation. Federal University of Tocantins, Gurupi
- Simarmata, J. 2017. Analisa Kualitas Minyak Serai (*Cymbopogon nardus* Rendle) Secara Organoleptik dan Fisiko-Kimia Berdasarkan Spesifikasi Persyaratan Mutu SNI 06-3953-1995 di PSMB Medan. Tugas Akhir Program Studi D-3 Kimia, Universitas Sumatra Utara, Medan.
- Saravanan, R., Krishti, S., Gajbhiye, N. and Maiti, S. 2008. Influence of light intensity on gas exchange, herbage yield and andrographolide content in *Andrographis paniculata* (Nees). *Indian Journal of Horticulture* 65(2): 220-225
- Sampurno, H. 2004. *Monografi Ekstrak Tumbuhan Obat Indonesia. Volume 1*. Jakarta : Badan Pengawas Obat dan Makanan RI.
- Setiawan, A., Anshar, K., Zulnazri, & Subhan. 2021. The Implementation of Scheduling Management on The Production Of Sereh Wangi Oil. *Panrita Abdi* 5(4), 619–626.
- Sumarna Y. 2011. *Kayu Jati, Panduan Budidaya dan Prospek Bisnis*. Jakarta: Penebar Swadaya.
- Sudarmanto, R. Gunawan. 2005. *Analisis Regresi Linier Ganda dengan SPSS*, edisi pertama, Yogyakarta: Graha Ilmu
- Suryana Y. 2001. *Budidaya Jati*. Bogor: Penebar Swadaya.
- Singh, G., Kapoor, I.P.S., Singh, P., Heluani, C.S., Lampasona, M.P., & Catalan. 2008. Chemistry, antioxidant, and antimicrobial investigations on essential oil and oleoresin of *Zingiber officinale*. *Food and Chemical Toxicology* 46, 3259-3302.
- Siregar IZ, Yunanto T, Ratnasari J. 2008. *Prospek Bisnis, Budi Daya, Panen & Pascapanen Kayu Sengon*. Jakarta: Penebar Swadaya.
- Suhartati. 2008. Aplikasi Inokulum EM-4 dan Pengaruhnya terhadap Pertumbuhan Bibit Sengon (*Paraserianthes falcataria* (L.) Nielsen). *Jurnal Penelitian Hutan dan Konservasi Alam*. 5(1): 55-65.
- Suhardi. 2008. Konservasi Air dengan Model Agroforestri dan Hubungannya dengan Ketahanan Pangan. Prosiding Seminar: The Indonesian Network for Agroforestry Education (INAFE). Pendidikan Agroforestry Sebagai Strategi Menghadapi Pemanasan Global Surakarta, 3-5 Maret 2008

- Silaya T, Tjoa M, Lellotery H, Siahaya L, Iskar, Loiwatu M. 2012. Agroforestry Berbasis Pala (*Myristica* sp.) di Kepulauan Maluku. Prosiding Agroforestri Berbasis Pala Untuk Kesejahteraan Masyarakat Maluku, tanggal 5-6 Maret 2012 di Ambon. Halaman 5-15
- Samra J S, M K Vishwanatham and A R Sharma. 1999. Biomass production of trees and grasses in a silvopasture system on marginal land of Doon Valey of North-West India. *Agroforestry System* 46 : 197-212.
- Singletary K. 2010. Ginger, An Overview of Health Benefits. *Food Sci.* 45 (4): 171-183.
- Sitompul S M, Purnomo D. 2005. Peningkatan Fungsi Agronomi Sistem Agroforestry Jati, Pinus dengan Penggunaan Varietas Tanaman Jagung Toleran Irradiasi Rendah. *Agrosains*, 7 (2): 92
- Sitompul, S. M. dan B. Guritno. 1995. Analisis Pertumbuhan Tanaman. Gadjah Mada University Press. Yogyakarta
- Silva, M.R.M. da & Ricci E. 2020. An approach to natural insect repellent formulations: from basic research to technological development. *Acta Tropica*, In Press, Journal Pre- proof, 105419. <https://doi.org/10.1016/j.actatropica.2020.105419>
- Sembiring, B., and Manoi, F. 2015. Pengaruh Pelayuan dan Penyulingan terhadap Rendemen dan Mutu Minyak Serai Wangi (*Cymbopogon nardus* L.). *Prosiding Seminar Nasional Swasembada Pangan*, Politeknik Negeri Lampung: 447–452.
- Shintawati, Oktaf Rina, Dewi Ermaya. 2020. Sifat Antimikroba dan Pengaruh Perlakuan Bahan Baku terhadap Rendemen Minyak Serai Wangi. *Jurnal Sylva Lestari* 8 (3): 411-419
- Sulaeman, Suparto dan Eviati. 2005. *Analisis Kimia Tanah, Tanaman, Air pupuk*. Balai Penelitian Tanah. Bogor
- Suryanto P, Tohari dan Sabarnurdin M S. 2005. Dinamika sistem berbagi sumberdaya (*Resources Sharing*) dalam agroforestri: dasar pertimbangan penyusunan strategi silvikultur. UGM, Yogyakarta. *Ilmu Pertanian* 12 (2): 165 – 178
- Taiz L and Zeiger E. 1991. *Plant Physiology*. Tokyo: The Benyamin/Cumming Publishing Company Inc. p: 219-247
- Triwanto J. 2011. Marginal Dalam Upaya. *Humanity*, 7 September, 23–27.
- Triwilaida. 2000. *Pengaruh Konservasi Tanah Pada Hutan Jati terhadap Erosi, Sedimentasi dan Aliran permukaan*. Proyek Penelitian dan Pengembangan Teknologi Pengelolaan DAS Solo. BPT DAS Surakarta. Surakarta.
- Universitas Medan Area. 2022. Peluang Besar Pasar Minyak Atsiri. <https://pertanian.uma.ac.id/peluang-besar-pasar-minyak-atsiri-serai-wangi/>. Diakses pada 25 Maret 2022
- Wang, Y., & Wu, W. H. 2017. Regulation of potassium transport and signaling in plants. *Current Opinion in Plant Biology*, 39, 123–128. <https://doi.org/10.1016/j.pbi.2017.06.006>

- Wany, A., Kumar, A., Nallapeta, S., Jha, S., Nigam, V.K. and Pandey, D.M. 2014. Extraction and characterization of essential oil components based on Geraniol and Citronellol from Java Citronella (*Cymbopogon winterianus* Jowitt). *Plant Growth Regul.* 73: 133–145.
- Wahyuni, L., A. Barus, Syukri. 2013. Respon Pertumbuhan Jahe Merah (*Zingiber officinale* rosc.) Terhadap Pemberian Naungan dan Beberapa Teknik Bertanam. *Jurnal Online Agroekoteknologi* 1 (4).
- Widianto, K. Hairiah, D. Suharjito dan M.A. Sardjono. 2011. *Fungsi dan Peran Agroforestri*. Bogor: ICRAF.
- Wijayanto N, J D Araujo. 2011. Pertumbuhan Tanaman Pokok Cendana (*Santalum Album* Linn.) pada Sistem Agroforestry di Desa Sanirin, Kecamatan Balibo, Kabupaten Bobonaro, Timor Leste. *Jurnal Silvikultur Tropika* 3 (1): 119-123
- Valenzuela H. 2011. Farm and Forestry Production and Marketing Profile of Ginger (*Zingiber officinale*). Elevitch, C.R., 1–11
- Yusron. M. 2010. *Warta Penelitian dan Pengembangan Pertanian* 32 (6). Bogor: Balai Penelitian Tanaman Obat dan Aromatik.
- Zhang X., Pu P., Tang Y, Zhang L. 2019. *C4 photosynthetic enzymes play a key role in wheat spike bracts primary carbon metabolism response under water deficit*. *Plant Physiology and Biochemistry* 142, 163-172