

BIBLIOGRAPHY

- Aisah, N., Supriyadi, E., dan Rahman, A. (2024). The Effect of Soil Tillage and Fertilization Treatment on Soil Microbial Carbon Biomass. *Jurnal Agrotek Tropika*, 12(2), 447-460.
- Aji, A. B., Maroeto, M., & Arifin, M. (2024). Soil Fertility Status as Recommendation for Land Improvement at Various Slope Gradients in Wonosalam Subdistrict, Jombang Regency. *Agroteknika*, 7(1), 1-10.
- Akbar, S. S. (2022). Diversity of Ground Spiders in Simple Coffee Agroforestry and Complex Coffee Agroforestry in Wonosalam Subdistrict, Jombang Regency. (*Doctoral dissertation, Maulana Malik Ibrahim State Islamic University*).
- Anderson, A. (2018). Carbon Storage in Tropical Forests: A Review of the Evidence. *Journal of Tropical Forest Science*. 30(2), 123-135.
- Anderson, A. (2021). The Important Role of Blue Carbon in Climate Change Mitigation in Indonesia's Coastal Areas. *Coastal Research Journal*.
- Anika, E., & Rasyidin, A. (2024). Soil Organic Carbon in Several Land Uses in Limau Manis Subdistrict, Padang City. *Journal Arunasita*, 1(1), 33-50.
- Arif, L., dan Kriswibowo, A. (2019). Tourism Marketing Strategy in Wonosalam to Increase Visitor Attraction. *Journal of Business and Management*. 10(1), 105-118.
- Bagaskara, A., Kusmana, C., & Yunasfi. (2024). Species Composition, Stand Structure, Biomass, and Carbon Stock in the Bamboo Arboretum Stand of IPB Darmaga Campus. *Journal of Tropical Silviculture*, 15(2), 107–114.
- Betemariyam, M., Negash, M., & Worku, A. (2020). Comparative Analysis of Carbon Stocks in Home Garden and Adjacent Coffee Based Agroforestry Systems in Ethiopia. *Journal Small-Scale Forestry*, 19(3), 319–334. <https://doi.org/10.1007/s11842-020-09439-4>.
- Bhaskara, D. R., Qurniati, R., Duryat, D., & Banuwa, I. S. (2018). Carbon Stock in Repong Damar Agroforest at Pahmungan Village, Pesisir Tengah SubDistrict, Pesisir Barat Regency. *Jurnal Sylva Lestari*, 6(2), 32-40.
- Chen, J., Huang, J., & Liu, S. (2019). Effects Of Canopy Closure On Soil Organic Carbon And Erosion In Subtropical Forest Ecosystems. *Soil & Tillage Research*, 192, 12-20. <https://doi.org/10.1016/j.still.2019.04.002>

- Don, A. (2018). Soil Organic Carbon Stocks and Their Dynamics Under Different Land-Use Systems in the Tropics. *Environmental Research Letters*, 13(9), 093005.
- Endriani, E., & Sunarti, S. (2019). Carbon Sequestration of Several Vegetation Types as a Basis for Urban Forest Development in Jambi. *Scientific Journal of Applied Science, University of Jambi*, 3(2), 113–125.
- Eline, M., & Suryanto, A. (2019). Planting Time and Population of Leek (*Allium porrum L.*) in an Intercropping System with Carrot (*Daucus carota L.*). *Journal of Crop Production*, 7(7), 1370–1377.
- Fajeriana, N., dan Muzna, A. 2023. Nutrient Status of Alfisol Soil Before Planting and After Harvest as a Growth Medium for Melon with Bioboost Fertilization. *Journal of Applied Agricultural Research*, 23(1), 73–80.
- Farrasati, M., Yulianto, D., & Setiawan, A. (2020). Analysis of Carbon Content in the Anaerobic Fermentation Process. *Indonesian Journal of Agricultural Science*, 27(1), 18–21.
- Firison, A. Ishak, And T. Hidayat. 2019. Utilization of Understory Vegetation in Oil Palm Stands by Local Communities (Case Study in Kungkai Baru Village, Air Periukan Subdistrict, Seluma District – Bengkulu). *Agritepa Journal of Agricultural Science and Technology*, 5(2), 19–31.
- Gunadi, G., Juniarti, J., & Gusnidar, G. (2020). Relationship Between Soil Carbon Stock and Surface Temperature in Various Land Uses in Padang Laweh, Sijunjung District. *Journal of Solum*, 17(1), 1–11.
- Gusti, M., Ratag, S., & Pangemanan, E. (2022). Characteristics of the Agrosilvopastoral Pattern: A Case Study in Sumarayar Village, East Langowan Subdistrict. *Sam Ratulangi University Journal*, 14(3).
- Haryati, U. (2018). Physical Characteristics of Soil in Highland Vegetable Cultivation Areas and Their Relation to Land Management Strategies. *Journal of Land Resources*, 8(2), 125–138.
- Hakim, L., Rahmiati, T. M., Jailani, & Surya, E. (2022). Litter Growing Media for the Growth and Development of Ginger (*Zingiber officinale Rosc.*) Plants. *National Multidisciplinary Science Seminar*, 3(1).
- Hanafi, I., Subhan, S., & Basri, H. (2021). Mangrove Vegetation Analysis (Case Study in Telaga Tujuh Island Mangrove Forest, West Langsa Subdistrict). *Scientific Journal of Agricultural Students*, 6(4), 740–748.
- Hani, A. (2019). Management of Ampel Bamboo (*Bambusa vulgaris*) Through Thinning Treatments in an Agroforestry System. *Journal of Forest Research and Nature Conservation*, 16(1), 91–100.

- Hanifah, H. N., Hadisoebroto, G., & Dewi, L. (2023). *Potensi Karbon Aktif Kulit Salak (Salacca Zalacca) sebagai Bioadsorben Logam Timbal (Pb) sari Limbah Laboratorium Farmasi. Jurnal Kimia Padjadjaran*, 1(2).
- Humairoh, Y., Zuhriyah, A., Triyasari, S. R., & Suprpti, I. (2022). Factors Influencing Coffee Farmers' Income (Case Study in Wonosalam Village, Wonosalam Subdistrict, Jombang Regency). *Journal of Agriscience*, 3(2), 480–498.
- Hapsari, L., Trimanto, & Wahyudi, D. (2019). Species diversity and phylogenetic analysis of *Heliconia* spp. collections of Purwodadi Botanic Garden (East Java, Indonesia) inferred by rbcL gene sequences. *Biodiversitas*, 20(5), 1266–1283. <https://doi.org/10.13057/biodiv/d200505>.
- Insusanty, E., Ikhwan, M., Sadjati, E. 2017. The Contribution of Agroforestry in Greenhouse Gas Mitigation Through Carbon Sequestration. *Tropical Forest Journal*, 5(3), 181–187.
- Handika, R. A., Fitrada, W., & Rodhiyah, Z. (2020). The Potential of Urban Forest Vegetation in Reducing Carbon Dioxide (CO₂) Emissions in Jambi City. *Biospecies*, 13(1), 23–28.
- Hanna, S. (2022). Earthworm Density in Coffee Agroforestry in Wonosalam Subdistrict, Jombang Regency. (*Undergraduate Thesis, Maulana Malik Ibrahim State Islamic University, Malang*).
- Indrajaya, Y., & Mulyana, S. (2017). Sustainable Management of Regional Resources. *Proceedings of the UMS National Geography Seminar 2017*.
- Irvianty., Zuriana, S., Cut N. D. (2023). Biomass, Carbon Stock Potential, and Sequestration in Urban Forests. *Journal of Science and Technology*, 12(2), 439–444.
- Justine, M. F., Yang, W., Wu, F., Tan, B., Khan, M. N., & Zhao, Y. (2015). Biomass Stock and Carbon Sequestration in a Chronosequence of *Pinus massoniana* Plantations in the Upper Reaches of the Yangtze River. *Journal Forests*, 6(10), 3665-3682.
- Lal, R. (2020). Soil Carbon Sequestration Impacts on Global Climate Change and Food Security. *Journal of Science*, 328(5979), 1623-1627.
- Lutfiningsih, F. (2019). Biomassa Mikroba Tanah pada Berbagai Jarak dan Lebar Tutupan Kanopi Kopi Agroforestri Dengan Sistem Manajemen yang Berbeda. *Sarjana Thesis, Repository Universitas Brawijaya*.

- Mekonnen, Z. (2017). Agrosilvopastoral Practices and Their Role in Mitigating Carbon Emissions in the Ethiopian Highlands." *Environmental Science & Policy*, 77, 41-49.
- Muhammad, A. (2024). Karakteristik Briket Arang Dari Limbah Kayu Gergajian Jenis Bayur (*Pterospermum Javanicum*), Surian (*Toona Sureni Merr.*), Meranti Merah (*Shorea Selanica*) Dengan Menggunakan Perekat Tapioka. *Doctoral Dissertation*.
- Mukminin, G. A. (2018). Analisis Potensi Elektrik Berbagai Elektrolit Alam Sebagai Sumber Energi Terbarukan.
- Nainawa, R. S., Rusdiana, O., & Mindawati, N. (2023). Potensi Karbon Tanah pada Hutan Tanaman Tegakan Campuran Schima wallichii dan Acacia mangium. *Jurnal Penelitian Hutan Tanaman*, 20(2), 115–129.
- Nair, P. K. R., Kumar, B. M., & Nair, V. D. (2017). Agroforestry as a strategy for carbon sequestration. *Journal of Plant Ecology*, 10(1), 1–10. <https://doi.org/10.1093/jpe/rtw08>.
- Nopriandi, N., Savilla, S. A., Dewi, B. C., & Putro, L. H. S. (2024). Analysis of Soil Organic Carbon Content and Its Impact on Soil Fertility in the Special Purpose Forest Area of Kemampo, Banyuasin. In *Proceedings of the National Biology Seminar*, 4(2), 1111–1121.
- Panjaitan, E. Silaen, S. & Damanik, D, R. (2019). Growth and Yield Response of Lettuce (*Lactuca sativa* L.) to the Application of Manure and Local Microorganisms (MOL). *Agrotekma: Journal of Agrotechnology and Agricultural Science*, 4(1), 1–10.
- Pranata, Y., Nugroho, T., & Lestari, I. (2023). Organic matter application for improving soil bulk density and fertility in degraded lands. *Agricultural Research Updates*, 58(2), 102–114.
- Putri, S. A., Arianto, W., & Oktoyoki, H. (2024). Structure and Composition of Upper Montane Forest Vegetation in Bukit Kaba Nature Park (TWA). *Journal of Global Forest and Environmental Science*, 4(1), 22–38.
- Racelis, E. L., Racelis, D. A., & Luna, A. C. (2019). Carbon sequestration by large leaf mahogany (*Swietenia macrophylla* King.) plantation in Mount Makiling Forest Reserve, Philippines: A decade after. *Journal of Environmental Science and Management*, 22(1), 67–76.
- Rente, A., Wahyu, A., & Barlatul, H. (2022). Agrosilvopasture: An Integrated Approach for Agricultural Sustainability. *International Journal of Agroforestry*, 15(2), 123–135.

- Rohmatiah, A., & Lukito, M. (2018). Estimation of Biomass and Carbon Dioxide in the Lawu Manunggal Forest Management Unit, Summersawit Village, Sidorejo Subdistrict, Magetan Regency. *In Technopex*.
- Sahuri. 2019. Carbon Stock Potential in Rubber-Based Agroforestry Systems. *Journal of Forestry Policy Analysis*, 16(2), 105–115.
- Sari, R. M., & Wulandari, S. (2020). Relationship Between Vegetation Diversity and Carbon Stock in Tropical Forest Ecosystems. *Journal of Tropical Forestry Research*, 16(1), 12–20.
- Sari, R. M., Wulandari, S., & Putri, A. (2019). Carbon Stock and Carbon Sequestration in Teak Stands in Community Forests of Negara Ratu II Village, South Lampung. *Journal of Forestry Research*, 16(2), 85–94.
- Setyawan, D., Sari, M., & Hidayat, A. (2020). Bulk density as an indicator of soil compaction under different land management practices. *Journal of Soil and Water Conservation*, 12(4), 55–63.
- Smith, N. J., Muller-Landau, H. C., Detto, M., Jansen, P. A., & Wright, S. J. (2023). Long-term litterfall monitoring reveals impacts of climate variability and disturbance on tropical forest productivity. *Ecosphere*, 14(1).
- Sofia, A., Santa Lasmarito, T., Br, R. B., & Siahaan, P. G. (2023). Geographical Indication of Durian Fruit in Improving the Economy of the Community in Sampe Raya Village, Bahorok Subdistrict, Langkat Regency. *Innovative: Journal of Social Science Research*, 3(5), 7895–7910.
- Solekhah, B. A., Priyadarshini, R., & Maroeto, M. (2024). Study of Texture Distribution Patterns on Organic Matter in Various Land Uses. *Agro Bali: Agricultural Journal*, 7(1), 256–265.
- Suarna, I., Suryani, N., & Budiasa, K. (2019). Diversity of Forage Plants. *Prasasti Publishing, Denpasar*.
- Suparto, H., Saidy, A. R., & Fatimah, S. (2025). Quality Analysis of Palm Fruit Waste Organic Fertilizer with Various Bioactivators. *Agripeat*, 26(1), 36–47.
- Teul, M. U., Killa, Y. M., & Ndapamuri, M. H. (2024). Effect of Several Land Use Types on Soil Chemical Properties in Wula Waijelu Subdistrict, East Sumba Regency. *Agro Indragiri Journal*, 9(1), 41–46.
- Tiffara, H. W. (2023). Productivity and Litter Decomposition Rate in the Sungai Buluh Peat Protected Forest, Tanjung Jabung Timur Regency, Jambi Province. *Doctoral dissertation*.

- Triwanto dan Muttaqin, A. (2019). Implementation of Coconut-Based Agroforestry Patterns and Farmers' Income in Samuda Village, North Halmahera Regency. *Journal of Forestry Research*, 14(1), 1–14.
- Utama, M. R. F. (2022). Mapping Rainfall Distribution Using ArcGIS for Irrigation Channel Planning in Jombang Regency. (*Doctoral Dissertation, Universitas Kadiri*).
- Utama, D., Gofar, N., & Napoleon, A. (2018). Improving Aggregate Stability of Sandy Clay Soil Using Aggregate-Stabilizing Bacteria and Organic Materials. *Journal of Soil and Climate*, 42(2), 161–167.
- Wahyudi, A. J. (2018). Carbon Sequestration: Coastal Ecosystem Services for Climate Change Mitigation. *Jakarta: Gadjah Mada University Press. ISBN 978-602-386-265-8*.
- Wahyuningsih, R., Taslim, S., dan Hayati H. 2022. Vanilla Farming Opportunities on Lombok Island. *Journal of Socio-Economic and Humanities*, 8(4), 517–552.
- Wang, X., Zhang, X., & Liu, Y. (2019). Effects of vegetation cover on soil organic carbon and erosion control in agroecosystems. *Soil & Tillage Research*, 192, 35-42. <https://doi.org/10.1016/j.still.2019.04.006>.
- Warman, G. R., dan Riajeng, K. 2018. Study on Intercropping System of Annual Crops. In *Proceedings of the Biology Education Conference: Biology, Science, Environmental, and Learning*, 15(1), 791–794.
- Wasis, B, and Dwi, H.S . (2024) Abundance of Soil Macrofauna in Several Land Covers in Balangan Regency, South Kalimantan Province. *Journal of Tropical Silviculture*, 15(2), 162–168.
- Wendri, N., Ratini, N. N., Sariasih, N. W., & Suyanto, H. (2015). Analysis of Carbon Element Reactions with Nitrogen, Oxygen, and Hydrogen Gases Using LIBS. In *National Seminar on Science and Technology, Denpasar, Bali*.
- Wibisono, A., Rahmadani, R., & Munandar, A. (2021). Effects of soil organic matter on bulk density and porosity in agricultural soils. *Indonesian Soil Science Journal*, 17(1), 21–29.
- Wuisan, F. S., Roring, R. P. M., & Paat, M. R. R. (2021). Stabilization of Sandy Clay Soil Using Lime and Table Salt Mixture on CBR Value. *Tekno*, 19(77). <https://doi.org/10.35793/jts.v19i77.32909>.
- Yulma, Y., Adiwilaga, E. M., & Wardiatno, Y. (2013). Contribution Of Organic Material From White Mangrove (*Avicennia Marina*) To Evaluate Mangrove

Ecosystem Management: Case Study Of Labuhan Maringgai, East Lampung. *International Journal Of Bonorowo Wetlands*, 3(1), 12-29.

- Yusuf, M., Sulistyawati, E., & Suhaya, Y. (2014). Distribusi biomassa di atas dan bawah permukaan dari Durian (*Toona Sinensis Roem.*). *Jurnal Matematika dan Sains*, 19(2), 69-75.
- Zhao, X. (2019). Effects of Vegetation Cover on Soil Organic Carbon Storage: A Global Meta-analysis. *Soil Biology and Biochemistry*. 128, 156-167.
- Zhang, J., Chen, H., & Wang, Y. (2020). Influence Of Stand Density On Biomass Carbon Storage And Soil Carbon Sequestration In Temperate Forests. *Forest Ecology And Management*, 474, 118367. <https://doi.org/10.1016/j.foreco.2020.11>

