

DAFTAR PUSTAKA

- Adil, A., Syarif, R., Najib, M., & Widiatmaka. (2023). Organic farming in Bogor, West Java, Indonesia: measuring how far its sustainability. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan*, 13(4), 671–682. <https://doi.org/10.29244/jpsl.13.4.671-682>
- Afsholnissa, S., Hernawan, E., & Lastini, T. (2019). Land cover change and land use suitability analyses of coastal area in Bantul district, Yogyakarta, Indonesia. *Biodiversitas*, 20(5), 1475–1481. <https://doi.org/10.13057/biodiv/d200541>
- Agustina, C., Rayes, M. L., & Rosidha, E. (2020). Pemetaan Kualitas Tanah Pada Lahan Sawah Di Kecamatan Turen Kabupaten Malang. *Jurnal Tanah Dan Sumberdaya Lahan*, 7(2), 367–373. <https://doi.org/10.21776/ub.jtsl.2020.007.2.22>
- Aji, G. B., & Ningrum, V. (2019). *Reorientasi Kebijakan Pertanian Organik: Sesudah “Go Organik 2010” dan “Program Seribu Desa Pertanian Organik” di Indonesia*. 1–56.
- Al Shamsi, K. B., Guarnaccia, P., Cosentino, S. L., Leonardi, C., Caruso, P., Stella, G., & Timpanaro, G. (2019). Analysis of relationships and sustainability performance in organic agriculture in the United Arab Emirates and Sicily (Italy). *Resources*, 8(1). <https://doi.org/10.3390/resources8010039>
- Alaoui, A., Barão, L., Ferreira, C. S. S., & Hessel, R. (2022). An Overview of Sustainability Assessment Frameworks in Agriculture. *Land*, 11(4), 1–26. <https://doi.org/10.3390/land11040537>
- Ali, S. M., Appolloni, A., Cavallaro, F., D’Adamo, I., Di Vaio, A., Ferella, F., Gastaldi, M., Ikram, M., Kumar, N. M., Martin, M. A., Nizami, A. S., Ozturk, I., Riccardi, M. P., Rosa, P., Santibanez Gonzalez, E., Sassanelli, C., Settembre-Blundo, D., Singh, R. K., Smol, M., ... Zorpas, A. A. (2023). Development Goals towards Sustainability. *Sustainability (Switzerland)*, 15(12). <https://doi.org/10.3390/su15129443>
- Alotaibi, B. A., Yoder, E., Brennan, M. A., & Kassem, H. S. (2021). Perception of organic farmers towards organic agriculture and role of extension. *Saudi Journal of Biological Sciences*, 28(5), 2980–2986. <https://doi.org/10.1016/j.sjbs.2021.02.037>
- Altair, G. R., Saputra, A., & Irfan, M. (2024). Analysis of Land Potential Index of Village Cash Land and Oro-Oro Land in Boyolali Regency. *E3S Web of Conferences*, 500. <https://doi.org/10.1051/e3sconf/202450003039>
- Ambarwulan, W., Suparwati, T., Firmansyah, I., Widiatmaka, W., Niendyawati, N., & Suparwati, T. (2017). *Land Suitability and Dynamic System Model for Land Use Planning of Paddy Field in Indramayu Regency, Indonesia Land Suitability and Dynamic System Model for Land Use Planning of Paddy Field in Indramayu Regency, Indonesia (8960) Land Suitability and Dynam. 8960*.
- Andrea, R., Aliyah, I., & Yudana, G. (2021). Studi kesesuaian lahan pertanian sawah organik (Studi kasus: Desa Gempol, Kabupaten Klaten). *Region : Jurnal Pembangunan Wilayah Dan Perencanaan Partisipatif*, 16(2), 333. <https://doi.org/10.20961/region.v16i2.25468>
- Anjum, A. S., Zada, R., & Tareen, W. H. (2016). Organic farming: Hope for the sustainable livelihoods of future generations in Pakistan. In *Journal of Rural Development and Agriculture* (Vol. 1, Issue 1, pp. 20–29). journal.aiou.edu.pk. <http://journal.aiou.edu.pk/journal2/index.php/JPAA/article/view/2>

- Anshori, A., Pramono, A., & Mujiyo. (2020). The Stratification of Organic Carbon and Nitrogen in Top Soils as Affected by the Management of Organic and Conventional Rice Cultivation. *Caraka Tani: Journal of Sustainable Agriculture*, 35(1), 126–134. <https://doi.org/10.20961/carakatani.v35i1.34488>
- Apriyana, Y., Rejekiingrum, P., Alifia, A. D., & Ramadhani, F. (2023). *The Transformation of Rice Crop Technology in Indonesia : Innovation and Sustainable Food Security*. 1–14.
- Arfiansyah, D., Han, H., & Zlatanova, S. (2024). Land Suitability Analysis for Residential Development in an Ecologically Sensitive Area: A Case Study of Nusantara, the New Indonesian Capital. *Sustainability (Switzerland)* , 16(13). <https://doi.org/10.3390/su16135767>
- Arief Rahman, Renny Puspita Sari, & JDian Prawira. (2023). Sistem Informasi Geografis Pemetaan Lahan Pertanian Dan Komoditi Hasil Panen Berbasis Website. *Jurnal Komputer Dan Aplikasi*, 11(Volume 11, No. 01 (2023), hal 83–91), 83–91.
- Arifn, Z., Setyorini, D., Sihombing, D., Sugiono, S., Latifah, E., Saeri, M., Hermanto, C., Krismawati, A., Istiqomah, N., & Fidiyawati, E. (2024). *Mapping the Land Suitability for Paddy , Corn , and Soybean in Tropical Situation of Jombang District , Indonesia. 2024*. <https://doi.org/10.1155/2024/2903230>
- Ashari, N., Sharifuddin, J., Mohammed, Z. A., Ramli, N. N., & Farmata, Y. (2020). Green Revolution's Role and Impact: Organic Farming Potential for Indonesian Sustainable Agriculture. *Forum Penelitian Agro Ekonomi*, 37(2), 115. <https://doi.org/10.21082/fae.v37n2.2019.115-125>
- Ashari, S. (2002). *On the agronomy and botany of Salak (Salacca zalacca)*.
- Ashraf, I. (2016). A review on organic farming for sustainable agricultural production. In *Pure and Applied Biology* (Vol. 5, Issue 2, pp. 277–286). 216.10.241.171. <https://doi.org/10.19045/bspab.2016.50036>
- Ashraf, I., Ahmad, I., Nafees, M., Yousaf, M. M., & ... (2021). 01. A review on organic farming for sustainable agricultural production. *Pure and Applied Biology ...*. <https://www.thepab.org/index.php/journal/article/view/2132>
- Ashraf, M. S., Ahmed, F., Kousar, S., Jorge, P., Ferreira, S., Maria, D., & Almeida, F. De. (2024). *People Category of UN SDGs 2030 and Sustainable Economic Growth in Asia and the Pacific Region*. 1–22.
- Astuti, K., Nurhaeni, I. D. A., & Rahmanto, A. N. (2020). Communication of Salak Pondoh farmers group in Yogyakarta, Indonesia to addressing climate change. *IOP Conference Series: Earth and Environmental Science*, 423(1). <https://doi.org/10.1088/1755-1315/423/1/012056>
- Ayeyemi, T., Recena, R., & Mar, A. (2023). *Circular Economy Approach to Enhance Soil Fertility Based on Recovering Phosphorus from Wastewater*.
- Azis, F., Hasanah, U., & Thaha, A. R. (2020). Evaluasi Kesesuaian Lahan Untuk Tanaman Salak (Salacca Zalacca (Gaertn.) Voss) Di Desa Tamarenja Kecamatan Sindue Tobata Kabupaten Donggala. ... : *E-Jurnal Ilmu ...* , 8(1), 18–24. <http://jurnal.faperta.untad.ac.id/index.php/agrotekbis/article/view/210>
- Barton, G. A. (2018). The global history of organic farming. In *The Global History of Organic Farming*. academic.oup.com. <https://doi.org/10.1093/oso/9780199642533.001.0001>

- Bonisoli, L., Galdeano-Gómez, E., Piedra-Muñoz, L., & Pérez-Mesa, J. C. (2019). Benchmarking agri-food sustainability certifications: Evidences from applying SAFA in the Ecuadorian banana agri-system. *Journal of Cleaner Production*, 236. <https://doi.org/10.1016/j.jclepro.2019.07.054>
- Boone, L., Roldán-Ruiz, I., Van linden, V., Muylle, H., & Dewulf, J. (2019). Environmental sustainability of conventional and organic farming: Accounting for ecosystem services in life cycle assessment. *Science of the Total Environment*, 695, 133841. <https://doi.org/10.1016/j.scitotenv.2019.133841>
- Bouttes, M., Darnhofer, I., & Martin, G. (2019). Converting to organic farming as a way to enhance adaptive capacity. In *Organic Agriculture* (Vol. 9, Issue 2, pp. 235–247). Springer. <https://doi.org/10.1007/s13165-018-0225-y>
- Bozdağ, A., Yavuz, F., & Günay, A. S. (2016). AHP and GIS based land suitability analysis for Cihanbeyli (Turkey) County. *Environmental Earth Sciences*, 75(9). <https://doi.org/10.1007/s12665-016-5558-9>
- Budianto, Y., Tjoneng, A., & Ibrahim, B. (2021). EVALUASI KESESUAIAN LAHAN TANAMAN PADI (*Oriza sativa* L.) DI KECAMATAN HERLANG, KABUPATEN BULUKUMBA. *AGrotekMAS Jurnal Indonesia: Jurnal Ilmu Peranian*, 2(3), 29–36. <https://doi.org/10.33096/agrotekmas.v2i3.210>
- Cammarata, M., Timpanaro, G., & Scuderi, A. (2021). Assessing sustainability of organic livestock farming in Sicily: A case study using the Fao Safa framework. *Agriculture (Switzerland)*, 11(3). <https://doi.org/10.3390/agriculture11030274>
- Chiaka, J. C., Zhen, L., Xiao, Y., Hu, Y., Wen, X., & Muhirwa, F. (2024). Spatial Assessment of Land Suitability Potential for Agriculture in Nigeria. *Foods*, 13(4). <https://doi.org/10.3390/foods13040568>
- Cidón, C. F., Figueiró, P. S., & Schreiber, D. (2021). Benefits of organic agriculture under the perspective of the bioeconomy: A systematic review. *Sustainability (Switzerland)*, 13(12). <https://doi.org/10.3390/su13126852>
- Coleman, P. (2012). Guide for Organic Crop Producers. In *ATTRA-National Sustainable Agri- culture Information Service*.
- Connor, D. J. (2021). What is the real productivity of organic farming systems? *Outlook on Agriculture*, 50(2), 125–129. <https://doi.org/10.1177/00307270211017151>
- Coteur, I., Wustenberghs, H., Debruyne, L., Lauwers, L., & Marchand, F. (2020). How do current sustainability assessment tools support farmers' strategic decision making? *Ecological Indicators*, 114(July 2019), 106298. <https://doi.org/10.1016/j.ecolind.2020.106298>
- Cristache, S. E., Vuță, M., Marin, E., Cioacă, S. I., & Vuță, M. (2018). Organic versus conventional farming-a paradigm for the sustainable development of the European Countries. *Sustainability (Switzerland)*, 10(11). <https://doi.org/10.3390/su10114279>
- Csambalik, L., Divéky-Ertsey, A., Gál, I., Madaras, K., Sipos, L., Székely, G., & Pusztai, P. (2023). Sustainability Perspectives of Organic Farming and Plant Factory Systems—From Divergences towards Synergies. *Horticulturae*, 9(8). <https://doi.org/10.3390/horticulturae9080895>
- Curran, M., Lazzarini, G., Baumgart, L., Gabel, V., Blockeel, J., Epple, R., Stolze, M., & Schader, C. (2020). Representative Farm-Based Sustainability Assessment of the Organic Sector in Switzerland Using the SMART-Farm Tool. *Frontiers in Sustainable*

- Food Systems*, 4(November). <https://doi.org/10.3389/fsufs.2020.554362>
- Dal Ferro, N., Zanin, G., & Borin, M. (2017). Crop yield and energy use in organic and conventional farming: A case study in north-east Italy. *European Journal of Agronomy*, 86, 37–47. <https://doi.org/10.1016/j.eja.2017.03.002>
- Darma, S. (2022). Kesesuaian Lahan Padi Sawah di Desa Bumi Rapak dan Desa Selangkau Kabupaten Kutai Timur. *Jurnal Ilmu Tanah Dan Lingkungan*, 24(1), 32–38. <https://doi.org/10.29244/jitl.24.1.32-38>
- Das, S., Chatterjee, A., & Pal, T. K. (2021). Organic farming in India: A vision towards a healthy nation. *Food Quality and Safety*, 4(2), 69–76. <https://doi.org/10.1093/FQSAFE/FYAA018>
- David, W., & Ardiansyah. (2017). Organic agriculture in Indonesia: challenges and opportunities. *Organic Agriculture*, 7(3), 329–338. <https://doi.org/10.1007/s13165-016-0160-8>
- de Olde, E. M. (2017). *Sustainable Development of Agriculture: contribution of farm-level assessment tools*. (Issue Wageningen University). <https://doi.org/10.18174/403334>
- De Olde, E. M., Oudshoorn, F. W., Sørensen, C. A. G., Bokkers, E. A. M., & De Boer, I. J. M. (2016). Assessing sustainability at farm-level: Lessons learned from a comparison of tools in practice. *Ecological Indicators*, 66(July), 391–404. <https://doi.org/10.1016/j.ecolind.2016.01.047>
- de Oliveira, J., Hanisch, A. L., & da Rosa Farias, D. (2023). SAFA FAO as an assessment tool for family farming under the sustainability bias. *Sustainability in Debate*, 14(1), 216–229. <https://doi.org/10.18472/SustDeb.v14n1.2023.47089>
- Desriani Putri, S., Despica, R., & Rezki, A. (2022). Analisis indeks potensi lahan (IPL) pertanian jagung di kecamatan tigo nagari kabupaten pasaman. *Jurnal Multidisiplin Indonesia*, 1(2), 731–737. <https://doi.org/10.58344/jmi.v1i2.67>
- Devi, L. Y., Irham, Subejo, Anatasari, E., Nurhayati, A., & Wahyu Widada, A. (2021). Key drivers of organic rice productivity in Sleman and Magelang Regencies. *IOP Conference Series: Earth and Environmental Science*, 746(1), 1–15. <https://doi.org/10.1088/1755-1315/746/1/012005>
- Devianti, Haryani, S., Munawar, A. A., & Thamren, D. S. (2022). Determination of the Agricultural Land Potential Index Using a Geographic Information System: A Case Study of Aceh Tengah Regency, Indonesia. *International Journal of Design and Nature and Ecodynamics*, 17(5), 781–787. <https://doi.org/10.18280/ijdne.170517>
- Dharmawan, I. W. S., Pratiwi, Siregar, C. A., Narendra, B. H., Undaharta, N. K. E., Sitepu, B. S., Sukmana, A., Wiratmoko, M. D. E., Abywijaya, I. K., & Sari, N. (2023). Implementation of Soil and Water Conservation in Indonesia and Its Impacts on Biodiversity, Hydrology, Soil Erosion and Microclimate. *Applied Sciences (Switzerland)*, 13(13). <https://doi.org/10.3390/app13137648>
- Dharumarajan, S., Kalaiselvi, B., Lalitha, M., Vasundhara, R., & Hegde, R. (2022). Defining fertility management units and land suitability analysis using digital soil mapping approach. *Geocarto International*, 37(20), 5914–5934. <https://doi.org/10.1080/10106049.2021.1926553>
- Dijk, M., de Kraker, J., van Zeijl-Rozema, A., van Lente, H., Beumer, C., Beemsterboer, S., & Valkering, P. (2017). Sustainability assessment as problem structuring: three typical ways. *Sustainability Science*, 12(2), 305–317. <https://doi.org/10.1007/s11625-016->

- Dinas Pertanian DIY. (2018). *Lampiran 1 . Database organik Dinas Pertanian DIY 2018*.
- Djaenudin, D., H., M., H., S., & Hidayat, A. (2011). Petunjuk Teknis Evaluasi Lahan untuk Komoditas Pertanian. In *Petunjuk Teknis Evaluasi Lahan untuk Komoditas Pertanian*.
- Durham, T. C., & Mizik, T. (2021). Comparative economics of conventional, organic, and alternative agricultural production systems. *Economies*, 9(2), 1–22. <https://doi.org/10.3390/economies9020064>
- El Baroudy, A. A. (2016). Mapping and evaluating land suitability using a GIS-based model. *Catena*, 140, 96–104. <https://doi.org/10.1016/j.catena.2015.12.010>
- El Behairy, R. A., El Baroudy, A. A., Ibrahim, M. M., Mohamed, E. S., Kucher, D. E., & Shokr, M. S. (2022). Assessment of Soil Capability and Crop Suitability Using Integrated Multivariate and GIS Approaches toward Agricultural Sustainability. *Land*, 11(7). <https://doi.org/10.3390/land11071027>
- El Chami, D. (2020). Towards sustainable organic farming systems. *Sustainability (Switzerland)*, 12(23), 1–5. <https://doi.org/10.3390/su12239832>
- Ermadani, E., Hermansah, H., Yulnafatmawita, Y., & Syarif, A. (2018). Dynamics of Soil Organic Carbon Fractions Under Different Land Management in Wet Tropical Areas. *Jurnal Solum*, 15(1), 26. <https://doi.org/10.25077/jsolum.15.1.26-39.2018>
- Ervianti, E. Y., Reniati, N., & Yoga, T. (2024). Menggali Potensi Pemanfaatan Lahan Marginal Menjadi Lahan Produktif Dalam Rangka Mempertahankan Ketersediaan Pangan Di Masa Mendatang. *SEPA: Jurnal Sosial Ekonomi Pertanian Dan Agribisnis*, 21(1), 89. <https://doi.org/10.20961/sepa.v21i1.64846>
- FAO. (2007). The FAO Guidekines for Land Evaluation. *Land Use, Land Cover and Soil Sciences, II*, 1–9. <https://www.eolss.net/Sample-Chapters/C12/E1-05-02-03.pdf>
- FAO. (2013). Sustainability Assessment of Food and Agricultural System: SAFA Indicators. *Food and Agriculture Organization of the United Nations - Rome 2013*, 271. <http://www.fao.org/nr/sustainability/sustainability-assessments-safa>
- FAO. (2014). Sustainability Assessment of Food and Agricultural System: Guidelines. In *Food and Agriculture Organization of the United Nations*. <http://www.fao.org/nr/sustainability/sustainability-assessments-safa>
- FAO. (2021). The State of the World's Land and Water Resources for Food and Agriculture – Systems at breaking point (SOLAW 2021). In *The State of the World's Land and Water Resources for Food and Agriculture – Systems at breaking point (SOLAW 2021)*. <https://doi.org/10.4060/cb7654en>
- Faozan, I., Kaoru, K., Farhadur, M. R., & Rahayu, S. (2022). Succession of Ground Vascular Plant Communities on Pyroclastic Deposits Seven Years After a Volcanic Eruption on Mount Merapi. *Journal of Tropical Forest Science*, 34(4), 406–414. <https://doi.org/10.26525/jtfs2022.34.4.406>
- Fauzi, F. R., Abdullah, S. H., & Priyati, A. (2018). Evaluasi Kesesuaian Lahan untuk Komoditas Padi dengan Memanfaatkan Aplikasi Sistem Informasi Geografis (SIG) di Kabupaten Lombok Tengah. *Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem*, 6(2), 131–140. <https://doi.org/10.29303/jrpb.v6i2.87>
- Ferreira, S., Oliveira, F., da Silva, F. G., Teixeira, M., Gonçalves, M., Eugénio, R., Damásio, H., & Gonçalves, J. M. (2020). Assessment of Factors Constraining Organic Farming Expansion in Lis Valley, Portugal. *AgriEngineering*, 2(1), 111–127.

- <https://doi.org/10.3390/agriengineering2010008>
- Flores, P. (2020). Latin America and the Caribbean Overview. In *Organic World Congress 2020*. <https://shop.fibl.org/de/artikel/c/statistik/p/1663-organic-world-2015.html>
- Food and Agriculture Organization. (2016). *SAFA Guidelines*. 2.
- Food and Agriculture Organization. (2017). SAFA: Sustainability Assessment of Food and Agriculture systems guidelines. In *FAO Natural Resource Management and Environmental Development* (Issue June).
- Fritz, M., Grimm, M., Keilbart, P., Laksmana, D. D., Luck, N., Padmanabhan, M., Subandi, N., & Tamtomo, K. (2021a). Turning indonesia organic: Insights from transdisciplinary research on the challenges of a societal transformation. *Sustainability (Switzerland)*, *13*(23). <https://doi.org/10.3390/su132313011>
- Fritz, M., Grimm, M., Keilbart, P., Laksmana, D. D., Luck, N., Padmanabhan, M., Subandi, N., & Tamtomo, K. (2021b). Turning indonesia organic: Insights from transdisciplinary research on the challenges of a societal transformation. *Sustainability (Switzerland)*, *13*(23), 1–20. <https://doi.org/10.3390/su132313011>
- Fuady, I., & Mardianah, M. (2020). Faktor-Faktor yang Mempengaruhi Intensi Petani Ternate dalam Melakukan Pertanian Organik. *Jurnal Ilmiah Membangun Desa Dan Pertanian*, *5*(3), 96. <https://doi.org/10.37149/jimdp.v5i3.12132>
- Fuhrmann-Aoyagi, M. B., Miura, K., & Watanabe, K. (2024). Sustainability in Japan's Agriculture: An Analysis of Current Approaches. *Sustainability (Switzerland)*, *16*(2), 1–26. <https://doi.org/10.3390/su16020596>
- Gamage, A., Gangahagedara, R., Gamage, J., Jayasinghe, N., Kodikara, N., Suraweera, P., & Merah, O. (2023). Role of organic farming for achieving sustainability in agriculture. *Farming System*, *1*(1), 100005. <https://doi.org/10.1016/j.farsys.2023.100005>
- Gao, H., Park, H., & Sakashita, A. (2017). Conventionalization of Organic Agriculture in China: A Case Study of Haobao Organic Agricultural Company in Yunnan Province. *Japanese Journal of Agricultural Economics*, *19*(0), 37–42. https://doi.org/10.18480/jjae.19.0_37
- Gasparatos, A., El-Haram, M., & Horner, M. (2008). A critical review of reductionist approaches for assessing the progress towards sustainability. *Environmental Impact Assessment Review*, *28*(4–5), 286–311. <https://doi.org/10.1016/j.eiar.2007.09.002>
- Gayatri, S., Gasso-tortajada, V., & Vaarst, M. (2016). Assessing Sustainability of Smallholder Beef Cattle Farming in Indonesia: A Case Study Using the FAO SAFA Framework. *Journal of Sustainable Development*, *9*(3), 236. <https://doi.org/10.5539/jsd.v9n3p236>
- Gayatri, S., & Vaarst, M. (2020). Indonesian smallholder beef producers' perception of sustainability and their reactions to the results of an assessment using the sustainability assessment of food and agriculture system (SAFA) - a case study based on focus group discussions. *Journal of the Indonesian Tropical Animal Agriculture*, *45*(1), 58–68. <https://doi.org/10.14710/jitaa.45.1.58-68>
- Gharsallah, O., Gandolfi, C., & Facchi, A. (2021). Methodologies for the sustainability assessment of agricultural production systems, with a focus on rice: a review. *Sustainability (Switzerland)*, *13*(19). <https://doi.org/10.3390/su131911123>
- Gómez-Limón, J. A., & Riesgo, L. (2009). Alternative approaches to the construction of a

- composite indicator of agricultural sustainability: An application to irrigated agriculture in the Duero basin in Spain. *Journal of Environmental Management*, 90(11), 3345–3362. <https://doi.org/10.1016/j.jenvman.2009.05.023>
- Gomiero, T. (2018). Food quality assessment in organic vs. conventional agricultural produce: Findings and issues. *Applied Soil Ecology*, 123(February), 714–728. <https://doi.org/10.1016/j.apsoil.2017.10.014>
- Haileslassie, A., Craufurd, P., Thiagarajah, R., Kumar, S., Whitbread, A., Rathor, A., Blummel, M., Ericsson, P., & Kakumanu, K. R. (2016). Empirical evaluation of sustainability of divergent farms in the dryland farming systems of India. *Ecological Indicators*, 60, 710–723. <https://doi.org/10.1016/j.ecolind.2015.08.014>
- Hakim, L., Widyorini, R., Nugroho, W. D., & Prayitno, T. A. (2021). Radial variability of fibrovascular bundle properties of salacca (*Salacca zalacca*) fronds cultivated on turi agrotourism in Yogyakarta, Indonesia. *Biodiversitas*, 22(8), 3594–3603. <https://doi.org/10.13057/biodiv/d220861>
- Harahap, F. S., Rahmaniah, R., Sidabuke, S. H., & Zuhirsyan, M. (2020). EVALUASI KESESUAIAN LAHAN TANAMAN SORGUM (*Shorgum bicolor*) DI KECAMATAN BILAH BARAT, KABUPATEN LABUHANBATU. *Jurnal Tanah Dan Sumberdaya Lahan*, 8(1), 231–238. <https://doi.org/10.21776/ub.jtsl.2021.008.1.26>
- Hardani, & DKK. (2020). Metode Penelitian Kualitatif dan Kuantitatif, CV. Pustaka Ilmu Group. In CV. *Pustaka Ilmu Editor* (Issue April).
- Hartati, T. M., Sunarminto, B. H., & Nurudin, M. (2018). Evaluasi Kesesuaian Lahan untuk Tanaman Perkebunan di Wilayah Galela, Kabupaten Halmahera Utara, Propinsi Maluku Utara. *Caraka Tani: Journal of Sustainable Agriculture*, 33(1), 68. <https://doi.org/10.20961/carakatani.v33i1.19298>
- Heckelman, A. (2019). Enhancing Smallholder Resilience: Organic Transition, Place-based Knowledge, and Local Resource Generation. *Journal of Agriculture, Food Systems, and Community Development*, 9, 1–9. <https://doi.org/10.5304/jafscd.2019.091.037>
- Heinrichs, J., Kuhn, T., Pahmeyer, C., & Britz, W. (2021). Economic effects of plot sizes and farm-plot distances in organic and conventional farming systems: A farm-level analysis for Germany. In *Agricultural Systems* (Vol. 187). Elsevier. <https://doi.org/10.1016/j.agsy.2020.102992>
- Heredia-R, M., Torres, B., Cayambe, J., Ramos, N., Luna, M., & Diaz-Ambrona, C. G. H. (2020). Sustainability assessment of smallholder agroforestry indigenous farming in the amazon: A case study of ecuadorian kichwas. *Agronomy*, 10(12), 1–25. <https://doi.org/10.3390/agronomy10121973>
- Herzberg, R., Pham, T. G., Kappas, M., Wyss, D., & Tran, C. T. M. (2019). Multi-criteria decision analysis for the land evaluation of potential agricultural land use types in a hilly area of Central Vietnam. *Land*, 8(6). <https://doi.org/10.3390/land8060090>
- Hossen, B., Yabar, H., & Mizunoya, T. (2021). Land suitability assessment for pulse (Green gram) production through remote sensing, GIS and multicriteria analysis in the coastal region of Bangladesh. *Sustainability (Switzerland)*, 13(22). <https://doi.org/10.3390/su132212360>
- Hřebiček, J., Trenz, O., & Vernerova, E. (2013). Optimal set of agri-environmental indicators for the agricultural sector of Czech Republic. *Acta Universitatis*

- Agriculturae et Silviculturae Mendelianae Brunensis*, 61(7), 2171–2181.
<https://doi.org/10.11118/actaun201361072171>
- Hugé, J., Mukherjee, N., Fertel, C., Waaub, J. P., Block, T., Waas, T., Koedam, N., & Dahdouh-Guebas, F. (2015). Conceptualizing the effectiveness of sustainability assessment in development cooperation. *Sustainability (Switzerland)*, 7(5), 5735–5751. <https://doi.org/10.3390/su7055735>
- Hunt, L., MacLeod, C., Moller, H., Reid, J., & Rosin, C. (2014). Framework and KPIs for ‘The New Zealand Sustainability Dashboard’: reflecting New Zealand’s economic, social, environmental and management values. The NZ Sustainability Dashboard Research Report 13/09. *Transitioning to Sustainable Life on Land*, 5751(June). <https://doi.org/10.13140/RG.2.2.13921.84323>
- Hurduzeu, G., Pânzaru, R. L., Medelete, D. M., Ciobanu, A., & Enea, C. (2022). The Development of Sustainable Agriculture in EU Countries and the Potential Achievement of Sustainable Development Goals Specific Targets (SDG 2). *Sustainability (Switzerland)*, 14(23). <https://doi.org/10.3390/su142315798>
- Iakovidis, D., Gadanakis, Y., & Park, J. (2022). Farm-level sustainability assessment in Mediterranean environments: Enhancing decision-making to improve business sustainability. *Environmental and Sustainability Indicators*, 15. <https://doi.org/10.1016/j.indic.2022.100187>
- IFOAM. (2014). The IFOAM Norms Organic Production Processing. *International Federation of Organic Agricultural Movement, version 20*, 1–252. http://www.ifoam.bio/sites/default/files/ifoam_norms_version_july_2014.pdf
- IFOAM. (2017). *How Organic Agriculture Helps Achieve Sustainable Development Goals*. 2. <https://www.ifoam.bio/how-organic-agriculture-helps-achieve-sustainable>
- Irham, I., Nurhayati, A., Widada, A. W., Subejo, S., Devi, L. Y., Simarmata, R., Anantasari, E., Rosidah, A., & Anggraini, A. I. (2024). Farmer’s willingness to accept the sustainable zoning-based organic farming development plan: A lesson from Sleman District, Indonesia. *Open Agriculture*, 9(1). <https://doi.org/10.1515/opag-2022-0253>
- Irham, Wahyu Widada, A., Nurhayati, A., Anantasari, E., Yustika Devi, L., & Subejo. (2020). Indonesian Organic Farmers: The Long Journey of Farmers’ Groups towards Organic Farming Sustainability (A Case Study in Rukun Farmers Group, Yogyakarta). *IOP Conference Series: Earth and Environmental Science*, 518(1). <https://doi.org/10.1088/1755-1315/518/1/012030>
- Irham, F. (2020). Sustainable Development Goals (SDGs) dan Dampaknya Bagi Ketahanan Nasional. *Jurnal Lemhannas RI*, 7(2), 45–54. <https://doi.org/10.55960/jlri.v7i2.71>
- Islam, M. M., Ahamed, T., & Noguchi, R. (2023). Land suitability and insurance premiums: A GIS-based multicriteria analysis approach for sustainable rice production. *Sustainability (Switzerland)*, 10(6). <https://doi.org/10.3390/su10061759>
- Istiyanti, E., & Saputra, B. (2024). Production risk analysis of semi-organic rice in Sleman Regency, Special Region of Yogyakarta, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1364(1). <https://doi.org/10.1088/1755-1315/1364/1/012021>
- Jiang, M., Xu, L., Chen, X., Zhu, H., & Fan, H. (2020). Soil quality assessment based on a minimum data set: A case study of a county in the typical river delta wetlands.

- Sustainability (Switzerland)*, 12(21), 1–21. <https://doi.org/10.3390/su12219033>
- Kadam, A., M. R., Umrikar, B., Bhagat, V., Wagh, V., & Sankua, R. N. (2021). Land Suitability Analysis for Afforestation in Semi-arid Watershed of Western Ghat, India: A Groundwater Recharge Perspective. *Geology, Ecology, and Landscapes*, 5(2), 136–148. <https://doi.org/10.1080/24749508.2020.1833643>
- Kafel, P., Nowicki, P., & Wojnarowska, M. (2021). Packaging's of the organic farming products in the context of circular economy. *SHS Web of Conferences*, 92, 05011. <https://doi.org/10.1051/shsconf/20219205011>
- Kamau, J. W., Schader, C., Biber-Freudenberger, L., Stellmacher, T., Amudavi, D. M., Landert, J., Blockeel, J., Whitney, C., & Borgemeister, C. (2022a). A holistic sustainability assessment of organic (certified and non-certified) and non-organic smallholder farms in Kenya. In *Environment, Development and Sustainability* (Vol. 24, Issue 5). Springer Netherlands. <https://doi.org/10.1007/s10668-021-01736-y>
- Kamau, J. W., Schader, C., Biber-Freudenberger, L., Stellmacher, T., Amudavi, D. M., Landert, J., Blockeel, J., Whitney, C., & Borgemeister, C. (2022b). A holistic sustainability assessment of organic (certified and non-certified) and non-organic smallholder farms in Kenya. *Environment, Development and Sustainability*, 24(5), 6984–7021. <https://doi.org/10.1007/s10668-021-01736-y>
- Katayama, N., Osada, Y., Mashiko, M., Baba, Y. G., Tanaka, K., Kusumoto, Y., Okubo, S., Ikeda, H., & Natuhara, Y. (2019). Organic farming and associated management practices benefit multiple wildlife taxa: A large-scale field study in rice paddy landscapes. *Journal of Applied Ecology*, 56(8), 1970–1981. <https://doi.org/10.1111/1365-2664.13446>
- Kelsaba, A. B., Kilkoda, A. K., & Mahulette, A. S. (2024). Karakteristik Morfologi Tanaman Salak (*Salacca zalacca* Gaertn . Voss .) di Morphological Characteristics of Snake Fruit (*Salacca zalacca* Gaertn . Voss .) in Mamala Village , Leihitu District , Central Maluku Regency. *Jurnal Agrologia*, 13(1), 24–36.
- Kolbe, H. (2022). *Comparative Analysis of Soil Fertility , Productivity and Sustainability of Organic Farming in Central Europe — Part 1 : Effect of Medium Manifestations on Conversion , Fertilizer Types and Cropping Systems*.
- Koné, I., Kouadio, K. K. H., Kouadio, E. N., Agyare, W. A., Owusu-Prempeh, N., Amponsah, W., & Gaiser, T. (2022). Assessment of soil fertility status in cotton-based cropping systems in Cote d'Ivoire. *Frontiers in Soil Science*, 2(August), 1–12. <https://doi.org/10.3389/fsoil.2022.959325>
- Korneeva, E., Alamanova, C., Orozova, A., Parmanasova, A., & Krayneva, R. (2023). Sustainable development of the agricultural sector of the economy. *E3S Web of Conferences*, 431. <https://doi.org/10.1051/e3sconf/202343101030>
- Krause, H. M., Stehle, B., Mayer, J., Mayer, M., Steffens, M., Mäder, P., & Fliessbach, A. (2022). Biological soil quality and soil organic carbon change in biodynamic, organic, and conventional farming systems after 42 years. *Agronomy for Sustainable Development*, 42(6). <https://doi.org/10.1007/s13593-022-00843-y>
- Kumalawati, R., Nasruddin, N., Murliawan, K. H., & Anggraini, R. N. (2020). Potensi Sektor Pertanian Untuk Pengembangan Wilayah Di Kabupaten Balangan. *Jurnal Geografika (Geografi Lingkungan Lahan Basah)*, 1(2), 50. <https://doi.org/10.20527/jgp.v1i2.3403>

- Laksmiana, D., & Padmanabhan, M. (2022). Strategic Engagement in Institutions of Organic Farming in Indonesia. *Transitioning to Sustainable Life on Land, 2014*, 381–413. <https://doi.org/10.3390/books978-3-03897-879-4-14>
- Landert, J., Pfeifer, C., Carolus, J., Schwarz, G., Albanito, F., Muller, A., Smith, P., Sanders, J., Schader, C., Vanni, F., Prazan, J., Baumgart, L., Blockeel, J., Weisshaidinger, R., Bartel-Kratochvil, R., Hollaus, A., Mayer, A., Hrabalová, A., Helin, J., ... Miller, D. (2020). Assessing agro-ecological practices using a combination of three sustainability assessment tools. *Landbauforschung, 70*(2), 129–144. <https://doi.org/10.3220/LBF1612794225000>
- Latruffe, L., Diazabakana, A., Bockstaller, C., Desjeux, Y., Finn, J., Kelly, E., Ryan, M., & Uthes, S. (2016). Measurement of sustainability in agriculture: A review of indicators. *Studies in Agricultural Economics, 118*(3), 123–130. <https://doi.org/10.7896/j.1624>
- Layek, J., Das, A., Ansari, M. A., Mishra, V. K., Rangappa, K., Ravisankar, N., Patra, S., Baiswar, P., Ramesh, T., Hazarika, S., Panwar, A. S., Devi, S., Ansari, M. H., & Paramanik, B. (2023). An integrated organic farming system: innovations for farm diversification, sustainability, and livelihood improvement of hill farmers. *Frontiers in Sustainable Food Systems, 7*. <https://doi.org/10.3389/fsufs.2023.1151113>
- Leknoi, U., Rosset, P., & Likitlersuang, S. (2023). Multi-criteria social sustainability assessment of highland maize monoculture in Northern Thailand using the SAFA tool. *Resources, Environment and Sustainability, 13*, 109231. <https://doi.org/10.1016/j.resenv.2023.100115>
- Lestari, E. P., Prajanti, S. D. W., Adzim, F., Mubarok, F., & Hakim, A. R. (2024). Assessing Production and Marketing Efficiency of Organic Horticultural Commodities: A Stochastic Frontier Analysis. *Economies, 12*(4), 1–13. <https://doi.org/10.3390/economies12040090>
- Lisanti, M. (2018). Land Potency for Development of Pineapple Horticultural Fruit for Regional. *Tata Loka, 20*(4), 420–430.
- Liu, Y., Lan, X., Hou, H., Ji, J., Liu, X., & Lv, Z. (2024). Multifaceted Ability of Organic Fertilizers to Improve Crop Productivity and Abiotic Stress Tolerance: Review and Perspectives. *Agronomy, 14*(6). <https://doi.org/10.3390/agronomy14061141>
- Lone, A. H., & Rashid, I. (2022). Sustainability Assessment of Organic Farming Practices: A Comparison of Key Tools. *Colombo Business Journal, 13*(1), 170–192. <https://doi.org/10.4038/cbj.v13i1.93>
- Lone, A. H., & Rashid, I. (2023). *Sustainability of Organic Farming : A Review via Three Pillar Approach Sostenibilidad de la agricultura ecológica : una revisión a través del enfoque de tres pilares. 11*(X), 2023. <http://dx.doi.org/10.7770/safer-V11N1-art2642>
- Maas, L., Malvestiti, R., & Gontijo, L. A. (2020). Work in organic farming: An overview. *Ciencia Rural, 50*(4), 20190458. <https://doi.org/10.1590/0103-8478cr20190458>
- MacPherson, J., Paul, C., & Helming, K. (2020). Linking ecosystem services and the SDGs to farm-level assessment tools and models. *Sustainability (Switzerland), 12*(16), 1–19. <https://doi.org/10.3390/su12166617>
- Malinowski, M., & Smutka, L. (2024). *Organic Farming as a Driver of Environmental Benefits or the Other Way Around? Environmental Conditions vs . Organic Farming Development in the EU with Particular Focus on Poland. 1–20.*
- Mangera, Y., Wahida, W., & Saputra, M. D. (2024). Evaluasi Kesesuaian Lahan Untuk

- Tanaman Padi Sawah Di Kampung Suka Maju Distrik Malind Kabupaten Merauke. *Jurnal Tanah Dan Sumberdaya Lahan*, 11(1), 283–287.
<https://doi.org/10.21776/ub.jtsl.2024.011.1.30>
- Manideep, A. S. (2020). Intention to Adopt Organic Farming: An Empirical Analysis. In *International Journal of Advanced Science and Technology* (Vol. 29, Issue 03, pp. 8115–8122). researchgate.net.
<http://sersc.org/journals/index.php/IJAST/article/view/8388>
- Margunani, Melati, I. S., & Soesilowati, E. (2018). A modelling framework of sustainable supply chain management for organic vegetables in rural area with narrow land: An action research in Indonesia. *International Journal of Supply Chain Management*, 7(2), 75–83.
- Marnata, S. O. A., Najib, M., & Purnaningsih, N. (2021). Adoption of Organic Agriculture Application in Subang Regency, West Java Province of Indonesia. *Russian Journal of Agricultural and Socio-Economic Sciences*, 116(8), 122–128.
<https://doi.org/10.18551/rjoas.2021-08.15>
- Marton, S., Baumgart, L., Jancso, L., Teriete, M., & Schader, C. (2019). No time to rest on one's laurels-A SMART sustainability assessment induced further optimisation on a banana farm in Costa Rica. *Smart*, 8(December), 278–285. www.fibl.org
- Mayanda, D. P., Ratna Adi, I. G. P., & Kusmiyarti, T. B. (2019). Evaluation of Land Suitability of Horticultural Crops in Sembalun Sub-district, East Lombok Regency, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 313(1).
<https://doi.org/10.1088/1755-1315/313/1/012018>
- Medina-Hernández, E. J., Guzmán-Aguilar, D. S., Muñoz-Olite, J. L., & Siado-Castañeda, L. R. (2023). The current status of the sustainable development goals in the world. *Development Studies Research*, 10(1).
<https://doi.org/10.1080/21665095.2022.2163677>
- Meemken, E. M., & Qaim, M. (2023). Organic Agriculture, Food Security, and the Environment. *Annual Review of Resource Economics*, 10, 39–63.
<https://doi.org/10.1146/annurev-resource-100517-023252>
- Mészáros, D., Landert, J., Sipos, B., Schader, C., Podmaniczky, L., & Baumgart, L. (2015). Conceptual approach to assess farm-level sustainability in the Hungarian organic sector. *Acta Fytotechnica et Zootechnica*, 18(Special Issue), 37–39.
<https://doi.org/10.15414/afz.2015.18.si.37-39>
- Moldan, B., Janoušková, S., & Hák, T. (2012). How to understand and measure environmental sustainability: Indicators and targets. *Ecological Indicators*, 17, 4–13.
<https://doi.org/10.1016/j.ecolind.2011.04.033>
- Mucharam, I., Rustiadi, E., Fauzi, A., & Harianto. (2020). Signifikansi Pengembangan Indikator Pertanian Berkelanjutan Untuk Mengevaluasi Kinerja Pembangunan Pertanian Indonesia. *RISALAH KEBIJAKAN PERTANIAN DAN LINGKUNGAN Rumusan Kajian Strategis Bidang Pertanian Dan Lingkungan*, 7(2), 61–81.
<https://doi.org/10.29244/jkebijakan.v7i2.28038>
- Mujiyo, Suprpto, I. F., Herawati, A., Widijanto, H., Irianto, H., Riptanti, E. W., & Qonita, A. (2021). Land suitability assessment for Cassava var. Jarak Towo, using determinant factors as the strategy fundament in hilly area Jatiyoso-Indonesia. *International Journal of Sustainable Development and Planning*, 16(6), 1131–1140.

- <https://doi.org/10.18280/ijstdp.160614>
- Mulyani, A., Mulyanto, B., Barus, B., Panuju, D. R., & Husnain. (2023). Potential Land Reserves for Agriculture in Indonesia: Suitability and Legal Aspect Supporting Food Sufficiency. *Land*, 12(5). <https://doi.org/10.3390/land12050970>
- Mulyono, S., & Utami, W. (2020). Pemetaan Potensi Lahan Pertanian Pangan Berkelanjutan Guna Mendukung Ketahanan Pangan. *Bhumi: Jurnal Agraria Dan Pertanahan*, 6 Nomor 2, 201–218.
- Nandan, D. (2021). Organic Farming and Feasibility of Agricultural Systems. *International Journal of Modern Agriculture*. <http://modern-journals.com/index.php/ijma/article/view/650>
- Nandwani, D., Jamarkattel, D., Dahal, K. R., Poudel, R., & ... (2021). Attitudes of fruit and vegetable farmers towards organic farming in Kathmandu Valley, Nepal. *Sustainability*. <https://www.mdpi.com/1055792>
- Nasrullah, & Ovitassari, M. (2022). Regulatory and Policy Responses toward SDGs in Achieving Sustainable Agriculture Productivity in Indonesia. *IOP Conference Series: Earth and Environmental Science*, 985(1). <https://doi.org/10.1088/1755-1315/985/1/012027>
- Ndofah, T. A., & Santosa, P. B. (2023). Evaluasi Penggunaan Lahan Mengacu pada Indeks Potensi Lahan dan Kesesuaiannya Terhadap Rencana Tata Ruang Wilayah di Kabupaten Wonosobo. *JGISE: Journal of Geospatial Information Science and Engineering*, 6(2), 87. <https://doi.org/10.22146/jgise.91079>
- Nguemezi, C., Tematio, P., Yemefack, M., Tsozue, D., & Silatsa, T. B. F. (2020). Soil quality and soil fertility status in major soil groups at the Tombel area, South-West Cameroon. *Heliyon*, 6(2), e03432. <https://doi.org/10.1016/j.heliyon.2020.e03432>
- Nindito, S., & Tamtomo, K. (2020). *Revisiting Social Movement in Organic Agriculture Community in Yogyakarta, Indonesia*. 452(Aicosh), 113–116. <https://doi.org/10.2991/assehr.k.200728.025>
- Nuary, R. B., Sukartiko, A. C., & Machfoedz, M. M. (2019). Modeling the plantation area of geographical indication product under climate change: Salak Pondoh Sleman (*Salacca edulis* cv Reinw). *IOP Conference Series: Earth and Environmental Science*, 365(1). <https://doi.org/10.1088/1755-1315/365/1/012020>
- Nugraheni, S., & Purnama, A. F. D. (2013). Problems and Prospects of Organic Farming in Indonesia: Lesson Learn from Five District in West Java Province. *Bina Ekonomi*, 17(1), 112–120. <http://journal.unpar.ac.id/index.php/BinaEkonomi/article/view/810/794>
- Numba, S., Haris, A., Saidah, Haris, B. I., Ashar, J. R., & Hari Sucipto, M. I. (2024). Analysis of soil fertility status on rice (*Oryza sativa* L.) planted land in Polewali District, Polewali Mandar Regency. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 52(1), 64–73. <https://doi.org/10.24831/jai.v52i1.53514>
- Nurda, N., Noguchi, R., & Ahamed, T. (2020). Change detection and land suitability analysis for extension of potential forest areas in Indonesia using satellite remote sensing and GIS. *Forests*, 11(4), 1–22. <https://doi.org/10.3390/F11040398>
- Nurhayati, A., & Irham, I. (2020). Altruism Among Organic Rice Farmers in Yogyakarta. *Agricultural Social Economic Journal*, 20(2), 89–96. <https://doi.org/10.21776/ub.agrise.2020.020.2.1>

- Nuru, M., Debele, M., Tefera, A., & Gelaw, A. (2025). Geospatial techniques-based land suitability analysis for sustainable production of major crops in Sile Watershed of Gamo Zone, Southern Ethiopia. *Heliyon*, *11*(1).
<https://doi.org/10.1016/j.heliyon.2024.e41477>
- Nurul H, T., Irianto, H., & Qonita, A. (2018). *The Impacts of Socio-Economic Factors On The Income Of Salak Nglumut (Salacca Zalacca Sp.) Farmers in Srumbung District of Magelang Regency*. *172(FANRes)*, 47–51. <https://doi.org/10.2991/fanres-18.2018.10>
- O'Geen, A. T., Saal, M. B. B., Dahlke, H., Doll, D., Elkins, R., Fulton, A., Fogg, G., Harter, T., Hopmans, J. W., Ingels, C., Niederholzer, F., Solis, S. S., Verdegaal, P., & Walkinshaw, M. (2015). Soil suitability index identifies potential areas for groundwater banking on agricultural lands. *California Agriculture*, *69*(2), 75–84.
<https://doi.org/10.3733/ca.v069n02p75>
- Ohno, T., & Hettiarachchi, G. M. (2018). Soil Chemistry and the One Health Initiative: Introduction to the Special Section. *Journal of Environmental Quality*, *47*(6), 1305–1309. <https://doi.org/10.2134/jeq2018.08.0290>
- Ondrasek, G., Horvatinec, J., Kovačić, M. B., Reljić, M., Vinceković, M., Rathod, S., Bandumula, N., Dharavath, R., Rashid, M. I., Panfilova, O., Kodikara, K. A. S., Defterdarović, J., Krevh, V., Filipović, V., Filipović, L., Čop, T., & Njavro, M. (2023). Land Resources in Organic Agriculture: Trends and Challenges in the Twenty-First Century from Global to Croatian Contexts. *Agronomy*, *13*(6), 1–17.
<https://doi.org/10.3390/agronomy13061544>
- Ordóñez-Ponce, E. (2023). Exploring the Impact of the Sustainable Development Goals on Sustainability Trends. *Sustainability (Switzerland)*, *15*(24).
<https://doi.org/10.3390/su152416647>
- Osorio, L. A. R., Lobato, M. O., & Del Castillo, X. A. (2009). An epistemology for sustainability science: A proposal for the study of the health/disease phenomenon. *International Journal of Sustainable Development and World Ecology*, *16*(1), 48–60.
<https://doi.org/10.1080/13504500902760571>
- Ota, T., Kusin, K., Kilonzi, F. M., Usup, A., Moji, K., & Kobayashi, S. (2020). Sustainable Financing for Payment for Ecosystem Services (PES) to Conserve Peat Swamp Forest Through Enterprises Based on Swiftlets' Nests: An Awareness Survey in Central Kalimantan, Indonesia. *Small-Scale Forestry*, *19*(4), 521–539.
<https://doi.org/10.1007/s11842-020-09452-7>
- P. Widayani. (2022). Dampak perubahan penutup lahan terhadap nilai jasa ekosistem di Kabupaten Sleman Daerah Istimewa Yogyakarta. *Majalah Geografi Indonesia*, *36*(2), 95. <https://doi.org/10.22146/mgi.70636>
- Padel, S., Gerrard, C., Smith, L., Schader, C., Baumgart, L., Stolze, M., & Pearce, B. (2015). *No Further Development of Methodologies for Sustainability Assessment and Monitoring in Organic/Ecological Agriculture*. 57.
- Padel, S., Zander, K., Lampkin, N. H., & Sanders, J. H. (2021). *The Consumer Or The Citizen: Who Should Pay For The Benefits Of Organic Farming?* [orgprints.org](https://orgprints.org/42215/).
<https://orgprints.org/42215/>
- Pamungkas, H. A., & Munir, M. (2018). Evaluasi Kesesuaian Lahan Untuk Tanaman Cabai. *Jurnal Tanah Dan Sumberdaya Lahan*, *5*(1), 673–679.
- Pânzaru, R. L., Firoiu, D., Ionescu, G. H., Ciobanu, A., Medelete, D. M., & Pîrvu, R.

- (2023). Organic Agriculture in the Context of 2030 Agenda Implementation in European Union Countries. *Sustainability (Switzerland)*, *15*(13), 1–31. <https://doi.org/10.3390/su151310582>
- Paul, M., Negahban-Azar, M., Shirmohammadi, A., & Montas, H. (2020). Assessment of agricultural land suitability for irrigation with reclaimed water using geospatial multi-criteria decision analysis. *Agricultural Water Management*, *231*(April 2019), 105987. <https://doi.org/10.1016/j.agwat.2019.105987>
- Peano, C., Migliorini, P., & Sottile, F. (2014). A methodology for the sustainability assessment of agri-food systems: An application to the slow food presidia project. *Ecology and Society*, *19*(4). <https://doi.org/10.5751/ES-06972-190424>
- Pérez-Lombardini, F., Mancera, K. F., Suzán, G., Campo, J., Solorio, J., & Galindo, F. (2021). Assessing sustainability in cattle silvopastoral systems in the mexican tropics using the safa framework. *Animals*, *11*(1), 1–21. <https://doi.org/10.3390/ani11010109>
- Perrin, A., Yannou-Le Bris, G., Angevin, F., & Pénicaud, C. (2023). Sustainability assessment in innovation design processes: place, role, and conditions of use in agrifood systems. A review. *Agronomy for Sustainable Development*, *43*(1). <https://doi.org/10.1007/s13593-022-00860-x>
- Pimenta, F. M., Speroto, A. T., Costa, M. H., & Dionizio, E. A. (2021). Historical changes in land use and suitability for future agriculture expansion in Western Bahia, Brazil. *Remote Sensing*, *13*(6), 1–31. <https://doi.org/10.3390/rs13061088>
- Pintér, L., Hardi, P., Martinuzzi, A., & Hall, J. (2012). Bellagio STAMP: Principles for sustainability assessment and measurement. *Ecological Indicators*, *17*, 20–28. <https://doi.org/10.1016/j.ecolind.2011.07.001>
- Pitaloka, A. I., Syarif, A. M., Afwani, M. Z., Wibowo, D. S., Fajar, A., & Nastiti, A. (2017). Penginderaan Jauh untuk Evaluasi Pemanfaatan Lahan di Kabupaten Wonogiri, Jawa Tengah Evaluating Land Utilization in Wonogiri Regency, Central Java using Remote Sensing Data. *Seminar Nasional Penginderaan Jauh, October*, 159–168.
- Prabaningrum, I., Mardiana, A., Gumilar, A., Risky, A. S., Wiratama, H., Putro, H. R. V., Amalia, R. D., & Ningrum, S. K. (2019). Identifikasi Potensi dan Permasalahan Lahan untuk Arahan Manajemen Lahan (Studi Kasus Penggal Sungai Cemoro Sebagian Kawasan Situs Sangiran). *Jurnal Geografi : Media Informasi Pengembangan Dan Profesi Kegeografian*, *16*(2), 145–152. <https://doi.org/10.15294/jg.v16i2.20885>
- Putri, A. S., Hari, B., Magister, W., Wilayah, P., Kota, D., Arsitektur, D. T., Perencanaan, D., & Teknik, F. (2022). the Implementation of Sustainable Food Agriculture Land Policy. *Jurnal Kebijakan Publik*, *13*(4), 323–330. <https://jkip.ejournal.unri.ac.idhttps://jkip.ejournal.unri.ac.id>
- Puvača, N., & Tufarelli, V. (2022). Sustainable Organic Agriculture for Developing Agribusiness Sector. *Sustainability (Switzerland)*, *14*(17), 13–15. <https://doi.org/10.3390/su141710781>
- Rachman, A., Sutono, S., Irawan, I., & Suastika, I. W. (2020). Indikator Kualitas Tanah pada Lahan Bekas Penambangan. *Jurnal Sumberdaya Lahan*, *11*(1), 1. <https://doi.org/10.21082/jsdl.v11n1.2017.1-10>
- Rahmawaty, M. A. (2020). Analisis Potensi Lahan Pertanian Pangan Berkelanjutan Di Kabupaten Lamongan Tahun 2018. *Geomedia: Majalah Ilmiah Dan Informasi Kegeografian*, *17*(2), 135–144. <https://doi.org/10.21831/gm.v17i2.28446>

- Rasmussen, L. V., Bierbaum, R., Oldekop, J. A., & Agrawal, A. (2017). Bridging the practitioner-researcher divide: Indicators to track environmental, economic, and sociocultural sustainability of agricultural commodity production. *Global Environmental Change*, *42*, 33–46. <https://doi.org/10.1016/j.gloenvcha.2016.12.001>
- Rayes, M. L., Nurdin, Listyarini, E., Agustina, C., & Rauf, A. (2023). Analysis of degraded land suitability and regional comparative advantages for maize development in the Gorontalo sustainable agriculture areas, Indonesia. *Journal of Degraded and Mining Lands Management*, *11*(1), 4909–4925. <https://doi.org/10.15243/jdmlm.2023.111.4909>
- Rivai, R. S., & Anugrah, I. S. (2016). Konsep dan Implementasi Pembangunan Pertanian Berkelanjutan di Indonesia. *Forum Penelitian Agro Ekonomi*, *29*(1), 13. <https://doi.org/10.21082/fae.v29n1.2011.13-25>
- Rizal, F., & Herdiansyah, G. (2016). Analisis Potensi Lahan Pertanian Pangan Untuk Mendukung Ketahanan Pangan Kota Bandung. *Jurnal Teknotan*, *10*(1), 61–67. <https://doi.org/10.24198/jt.vol10n1.9>
- Robbo, A., & Galib, M. (2023). EVALUASI KESESUAIAN LAHAN PADI SAWAH (*Oryza sativa* L.) DI KABUPATEN LUWU. *Jurnal Tanah Dan Sumberdaya Lahan*, *10*(2), 319–325. <https://doi.org/10.21776/ub.jtsl.2023.010.2.15>
- Robinson, O. C. (2014). Sampling in Interview-Based Qualitative Research: A Theoretical and Practical Guide. *Qualitative Research in Psychology*, *11*(1), 25–41. <https://doi.org/10.1080/14780887.2013.801543>
- Rodriguez, C., Dimitrova Mårtensson, L. M., Zachrisson, M., & Carlsson, G. (2021). Sustainability of Diversified Organic Cropping Systems—Challenges Identified by Farmer Interviews and Multi-Criteria Assessments. *Frontiers in Agronomy*, *3*(September). <https://doi.org/10.3389/fagro.2021.698968>
- Roesch, A., Nyfeler-Brunner, A., & Gaillard, G. (2021). Sustainability assessment of farms using SALCAsustain methodology. *Sustainable Production and Consumption*, *27*, 1392–1405. <https://doi.org/10.1016/j.spc.2021.02.022>
- Röös, E., Fischer, K., Tidåker, P., & Nordström Källström, H. (2019). How well is farmers' social situation captured by sustainability assessment tools? A Swedish case study. *International Journal of Sustainable Development and World Ecology*, *26*(3), 268–281. <https://doi.org/10.1080/13504509.2018.1560371>
- Sadiq, F. K., Yaqub, M. T., Maniyunda, L. M., Alalwany, A. K. A. M., Abubakar, F., & Anyebe, O. (2025). Soil classification and land suitability evaluation for tomato cultivation using analytic hierarchy process under different land uses. *Heliyon*, *11*(1), 1–14. <https://doi.org/10.1016/j.heliyon.2025.e41681>
- Sala, S., Ciuffo, B., & Nijkamp, P. (2015). A systemic framework for sustainability assessment. *Ecological Economics*, *119*, 314–325. <https://doi.org/10.1016/j.ecolecon.2015.09.015>
- Sampurno, R. M., Bunyamin, A., & Herwanto, T. (2017). Estimasi Perubahan Lahan Sawah dengan Klasifikasi Tidak Terbimbing Citra MODIS EVI di Provinsi Jawa Barat. *Jurnal Teknotan*, *11*(2), 55. <https://doi.org/10.24198/jt.vol11n2.6>
- Sangkala, S., Heriyansah, H., & Sunardi, S. (2024). Evaluation of the suitability of peat land for plantation commodities in Sambas District, West Kalimantan. *Anjoro: International Journal of Agriculture and Business*, *4*(2), 92–102.

- <https://doi.org/10.31605/anjoro.v4i2.2298>
- Santos-Francés, F., Martínez-Graña, A., Ávila-Zarza, C., Criado, M., & Sánchez-Sánchez, Y. (2022). Soil quality and evaluation of spatial variability in a semi-arid ecosystem in a region of the southeastern iberian peninsula (Spain). *Land*, *11*(1).
<https://doi.org/10.3390/land11010005>
- Sapbamrer, R., & Thammachai, A. (2021). A systematic review of factors influencing farmers' adoption of organic farming. *Sustainability*. <https://www.mdpi.com/2071-1050/13/7/3842>
- Sappe, N. J., Baja, S., Neswati, R., & Rukmana, D. (2022). Land suitability assessment for agricultural crops in Enrekang, Indonesia: combination of principal component analysis and fuzzy methods. *Sains Tanah*, *19*(2), 165–179.
<https://doi.org/10.20961/stjssa.v19i2.61973>
- Savickienė, J., & Miceikienė, A. (2018). Sustainable economic development assessment model for family farms. *Agricultural Economics (Czech Republic)*, *64*(12), 527–535.
<https://doi.org/10.17221/310/2017-AGRICECON>
- Schader, C., Baumgart, L., Landert, J., Muller, A., Ssebunya, B., Blockeel, J., Weisshaidinger, R., Petršek, R., Mészáros, D., Padel, S., Gerrard, C., Smith, L., Lindenthal, T., Niggli, U., & Stolze, M. (2016). Using the Sustainability Monitoring and Assessment Routine (SMART) for the systematic analysis of trade-offs and synergies between sustainability dimensions and themes at farm level. *Sustainability (Switzerland)*, *8*(3). <https://doi.org/10.3390/su8030274>
- Schader, C., Heidenreich, A., Kadzere, I., Egyir, I., Muriuki, A., Bandanaa, J., Clotey, J., Ndungu, J., Grovermann, C., Lazzarini, G., Blockeel, J., Borgemeister, C., Muller, A., Kabi, F., Fiaboe, K., Adamtey, N., Huber, B., Niggli, U., & Stolze, M. (2021). How is organic farming performing agronomically and economically in sub-Saharan Africa? *Global Environmental Change*, *70*(February), 102325.
<https://doi.org/10.1016/j.gloenvcha.2021.102325>
- Schader, C., Matthais, S., & Urs, N. (2019). How the organic food system contributes to sustainability. *Sustainable Production and Consumption*, *17*, 95–107.
- Scialabba, N., & Nemes, N. (2019). *SAFA - A Long-awaited Step Forward to Sustainability in the Food and Agriculture Sectors*. 959. <https://doi.org/10.3390/wsf2-00959>
- Šeremešić, S., Dolijanović, Ž., Simin, M. T., Vojnov, B., & Trbić, D. G. (2021). The future we want: Sustainable development goals accomplishment with organic agriculture. *Problemy Ekorožwoju*, *16*(2), 171–180. <https://doi.org/10.35784/pe.2021.2.18>
- Setboonsarng, S., & Gregorio, E. E. (2017). Achieving sustainable development goals through organic agriculture: Empowering poor women to build the future. *ADB Southeast Asia Working Paper Series*, *2*(15), 1–26.
<http://www.adb.org/publications/corrigenda%0Awww.adb.org>
- Seth, S., & Jain, D. (2019). Organic Farming: The Challenges and Opportunities. *JS International Journal of Multidisciplinary*
<https://jconsortium.com/index.php/jsijmr/article/view/432>
- Shiotsu, F., Sakagami, N., Asagi, N., Suprpta, D. N., Agustiani, N., Nitta, Y., & Komatsuzaki, M. (2015). Initiation and dissemination of organic rice cultivation in Bali, Indonesia. *Sustainability (Switzerland)*, *7*(5), 5171–5181.
<https://doi.org/10.3390/su7055171>

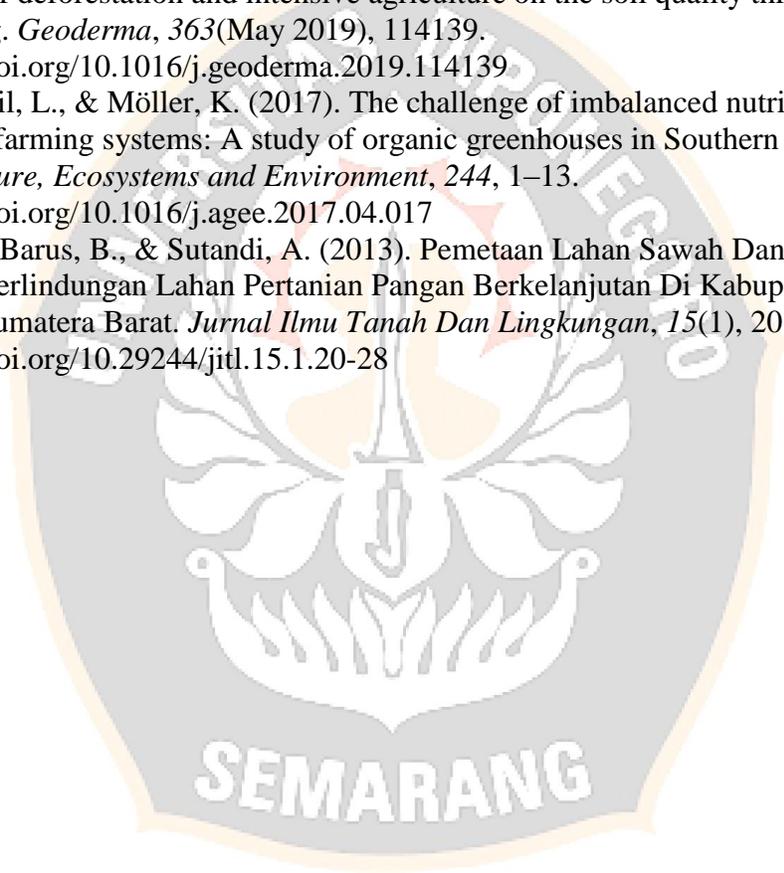
- Shortall, R., Davidsdottir, B., & Axelsson, G. (2015). Geothermal energy for sustainable development: A review of sustainability impacts and assessment frameworks. *Renewable and Sustainable Energy Reviews*, *44*, 391–406. <https://doi.org/10.1016/j.rser.2014.12.020>
- Simanungkalit, S. D., Jamilah, & Bintang. (2019). Evaluasi Kesesuaian Lahan Untuk Tanaman Padi (*Oryza Sativa L.*) Di Kecamatan Kualuh Hilir Kabupaten Labuhanbatu Utara, Sumatera Utara. *Agroekoteknologi*, *7*(2), 383–389.
- Simatupang, T. H., Hartini, S., Mustika, D. A., Purwoto, A., Junef, M., Sanusi, A., Firdaus, Nugroho, T. W. A., Mareta, J., Jazuli, A., & Firdaus, I. (2024). Salak from Indonesia: legal protection, potential geographical indications and development practices toward international markets. *Cogent Social Sciences*, *10*(1). <https://doi.org/10.1080/23311886.2024.2341963>
- Slätmo, E., Fischer, K., & Rööös, E. (2017). The Framing of Sustainability in Sustainability Assessment Frameworks for Agriculture. *Sociologia Ruralis*, *57*(3), 378–395. <https://doi.org/10.1111/soru.12156>
- Soldi, A., Meza, M. J. A., Guareschi, M., Donati, M., & Ortiz, A. I. (2019). Sustainability assessment of agricultural systems in Paraguay: A comparative study using FAO's SAFA framework. *Sustainability (Switzerland)*, *11*(13). <https://doi.org/10.3390/su11133745>
- Somasundram, C., Razali, Z., & Santhirasegaram, V. (2016). A review on organic food production in Malaysia. *Horticulturae*, *2*(3). <https://doi.org/10.3390/horticulturae2030012>
- Ssebunya, B. R., Schader, C., Baumgart, L., Landert, J., Altenbuchner, C., Schmid, E., & Stolze, M. (2019a). Sustainability Performance of Certified and Non-certified Smallholder Coffee Farms in Uganda. *Ecological Economics*, *156*(September 2018), 35–47. <https://doi.org/10.1016/j.ecolecon.2018.09.004>
- Ssebunya, B. R., Schader, C., Baumgart, L., Landert, J., Altenbuchner, C., Schmid, E., & Stolze, M. (2019b). Sustainability Performance of Certified and Non-certified Smallholder Coffee Farms in Uganda. *Ecological Economics*, *156*(August 2018), 35–47. <https://doi.org/10.1016/j.ecolecon.2018.09.004>
- St Flour, P. O., & Bokhoree, C. (2021). Sustainability Assessment Methodologies: Implications and Challenges for SIDS. *Ecologies*, *2*(3), 285–304. <https://doi.org/10.3390/ecologies2030016>
- Staton, T., Davison, N., Westaway, S., Arguile, L., Adams, N., Aguilera, V., Bellamy, L., Bolger, A., Gantlett, R., Jacobs, S., Noone, N., Staley, J. T., & Smith, L. G. (2024). Leverage points for the uptake of organic food production and consumption in the United Kingdom. *Communications Earth & Environment*. <https://doi.org/10.1038/s43247-024-01585-3>
- Stefanovic, L. (2022). SDG Performance in Local Organic Food Systems and the Role of Sustainable Public Procurement. *Sustainability (Switzerland)*, *14*(18). <https://doi.org/10.3390/su141811510>
- Stellacci, A. M., Castellini, M., Diacono, M., Rossi, R., & Gattullo, C. E. (2021). Assessment of soil quality under different soil management strategies: Combined use of statistical approaches to select the most informative soil physico-chemical indicators. *Applied Sciences (Switzerland)*, *11*(11).

- <https://doi.org/10.3390/app11115099>
- Stikhina, I., Skopova, L., & Lapina, V. (2024). *Organic agriculture as a sustainable approach to food security*. 10016.
- Streimikis, J., & Baležentis, T. (2020). Agricultural sustainability assessment framework integrating sustainable development goals and interlinked priorities of environmental, climate and agriculture policies. *Sustainable Development*, 28(6), 1702–1712. <https://doi.org/10.1002/sd.2118>
- Ströbel, H. (2024). Is More Organic Farming a Responsible Strategy? An Appeal for Responsible (Sustainably Intensive) Agriculture. *Sustainability (Switzerland)*, 16(10). <https://doi.org/10.3390/su16104114>
- Stylianou, A., Sdrali, D., & Apostolopoulos, C. D. (2020). Integrated sustainability assessment of divergent mediterranean farming systems: Cyprus as a case study. *Sustainability (Switzerland)*, 12(15). <https://doi.org/10.3390/su12156105>
- Subowo, G. (2019). Potensi Pengembangan Komoditas Pertanian Bernilai Ekonomi Tinggi di Daerah Istimewa Yogyakarta. *Jurnal Sumberdaya Lahan*, 3(1), 39–47.
- Subrahmanyeswari, B., & Chander, M. (2013). Integrating indigenous knowledge of farmers for sustainable organic farming: An assessment in Uttarakhand state of India. *Indian Journal of Traditional Knowledge*, 12(2), 259–264. <https://orgprints.org/24348/>
- Suciu, N. A., Ferrari, F., & Trevisan, M. (2019). Organic and conventional food: Comparison and future research. *Trends in Food Science and Technology*, 84, 49–51. <https://doi.org/10.1016/j.tifs.2018.12.008>
- Sudheer, P. (2013). Economics of organic versus chemical farming for three crops in Andhra Pradesh, India. *Journal of Organic Systems*, 8(2), 36–49. <https://orgprints.org/25532/>
- Sudrajat, I. S., Rahayu, E. S., Supriyadi, & Kusnandar. (2018). Effect of institution on production cost efficiency of organic rice farming in Indonesia. In *DLSU Business and Economics Review* (Vol. 28, Issue 1, pp. 166–175). dlsuper.com. <https://dlsuper.com/wp-content/uploads/2018/10Sudrajat-092418.pdf>
- Sukarman, S., Mulyani, A., & Purwanto, S. (2020). Modifikasi Metode Evaluasi Kesesuaian Lahan Berorientasi Perubahan Iklim. *Jurnal Sumberdaya Lahan*, 12(1), 1. <https://doi.org/10.21082/jsdl.v12n1.2018.1-11>
- Suleman, S., Rajamuddin, U. A., & Isrun, dan. (2016). PENILAIAN KUALITAS TANAH PADA BEBERAPA TIPE PENGGUNAAN LAHAN DI KECAMATAN SIGI BIROMARU KABUPATEN SIGI Soil Quality Evaluation on Some Types of Land Use in Sigi Biromaru Distric Sigi Regency. *Agrotekbis*, 4(6), 712–718.
- Sumani, Mujiyo, Winarno, J., Widijanto, H., & Hasanah, K. (2018). Land suitability evaluation for sweet corn in third cropping period at Wonosari Village, Karanganyar, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 200(1). <https://doi.org/10.1088/1755-1315/200/1/012007>
- Suntoro, S., Herdiansyah, G., & Mujiyo, M. (2024). Nutrient status and soil fertility index as a basis for sustainable rice field management in Madiun Regency, Indonesia. *Sains Tanah*, 21(1), 22–31. <https://doi.org/10.20961/stjssa.v21i1.73845>
- Supriyadi, S., Pratiwi, M. K., Minardi, S., & Prastiyaningsih, N. L. (2020). Carbon Organic Content under Organic and Conventional Paddy Field and its Effect on Biological Activities (A Case Study in Pati Regency, Indonesia). *Caraka Tani: Journal of*

- Sustainable Agriculture*, 35(1), 108. <https://doi.org/10.20961/carakatani.v35i1.34630>
- Susilo, A., & Wicaksono, K. S. (2023). Potensi Pengembangan Tanaman Kopi Arabika Berdasarkan Tingkat Kesesuaian Lahan Di Desa Bulukerto, Kecamatan Bumiaji, Kota Batu. *Jurnal Tanah Dan Sumberdaya Lahan*, 10(1), 83–95. <https://doi.org/10.21776/ub.jtsl.2023.010.1.9>
- Syamsiyah, K. N., & Wicaksono, K. S. (2023). Evaluasi Retensi Hara Pada Lahan Padi Di Kabupaten Pamekasan. *Jurnal Tanah Dan Sumberdaya Lahan*, 10(1), 175–184. <https://doi.org/10.21776/ub.jtsl.2023.010.1.20>
- Tamba, I. M. (2023). The Competitive Advantages of Salacca Zalacca Var. Amboinensis and Their Determinants. *AgBioForum*, 25(3), 20–29.
- Tan, W., Zhou, Z., Hou, Y., & Chen, Q. (2019). *Evaluation of Available Land Resources Based on Three Types of Space: Town, Agriculture and Ecology —Taking Panzhou City, Guizhou Province as an Example*. 184(Seeie), 15–21. <https://doi.org/10.2991/seeie-19.2019.4>
- Tantuoyir, S. M., Muluneh, A., & Danbara, T. T. (2025). Land suitability evaluation using GIS and multicriteria decision analysis for cashew cultivation in the Abaya-Chamo Watershed, Ethiopia. *Smart Agricultural Technology*, 10(October 2024). <https://doi.org/10.1016/j.atech.2024.100744>
- Tarigan, A., Rauf, A., & Rahmawaty, R. (2019). Evaluasi Kesesuaian Lahan Cabai Merah Di Kawasan Relokasi Siosar Kabupaten Karo. *Jurnal Tanah Dan Sumberdaya Lahan*, 6(2), 1229–1235. <https://doi.org/10.21776/ub.jtsl.2019.006.2.3>
- Tsvetkov, I., Atanassov, A., Vlahova, M., Carlier, L., Christov, N., Lefort, F., Rusanov, K., Badjakov, I., Dincheva, I., Tchamitchian, M., Rakleova, G., Georgieva, L., Tamm, L., Iantcheva, A., Herforth-Rahmé, J., Paplomatas, E., & Atanassov, I. (2018). Plant organic farming research—current status and opportunities for future development. *Biotechnology and Biotechnological Equipment*, 32(2), 241–260. <https://doi.org/10.1080/13102818.2018.1427509>
- Uni Mahanani, A., Tuhuteru, S., Agung Dwi Haryanto, T., & Rif'an, M. (2020). Evaluasi Kesesuaian Lahan Padi Gogo Pada Tiga Kawasan Agroekosistem Di Kabupaten Jayawijaya. *Jurnal Tanah Dan Sumberdaya Lahan*, 7(1), 77–86. <https://doi.org/10.21776/ub.jtsl.2020.007.1.10>
- United Nations. (2021). Un Food Systems Summit 2021. *United Nations*. <https://docs.wfp.org/api/documents/48fdf4ecae6d44a68f36f4c23a56c32d/download/>
- Utami, T. W., Irham, & Abdurofi, I. (2022). The sustainability level of semi organic shallot farming based on farmers perception : A case study in Bantul district, Daerah Istimewa Yogyakarta, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1005(1). <https://doi.org/10.1088/1755-1315/1005/1/012029>
- Valizadeh, N., & Hayati, D. (2021). Development and validation of an index to measure agricultural sustainability. In *Journal of Cleaner Production* (Vol. 280). Elsevier Ltd. <https://doi.org/10.1016/j.jclepro.2020.123797>
- Van Asselt, E. D., Van Bussel, L. G. J., Van Der Voet, H., Van Der Heijden, G. W. A. M., Tromp, S. O., Rijgersberg, H., Van Evert, F., Van Wagenberg, C. P. A., & Van Der Fels-Klerx, H. J. (2014). A protocol for evaluating the sustainability of agri-food production systems - A case study on potato production in peri-urban agriculture in the Netherlands. *Ecological Indicators*, 43, 315–321.

- <https://doi.org/10.1016/j.ecolind.2014.02.027>
- Van Cauwenbergh, N., Biala, K., Bielders, C., Brouckaert, V., Franchois, L., Garcia Ciudad, V., Hermy, M., Mathijs, E., Muys, B., Reijnders, J., Sauvenier, X., Valckx, J., Vanclooster, M., Van der Veken, B., Wauters, E., & Peeters, A. (2007). SAFE-A hierarchical framework for assessing the sustainability of agricultural systems. *Agriculture, Ecosystems and Environment*, 120(2–4), 229–242. <https://doi.org/10.1016/j.agee.2006.09.006>
- Veldstra, M. D., Alexander, C. E., & Marshall, M. I. (2014). To certify or not to certify? Separating the organic production and certification decisions. *Food Policy*, 49(P2), 429–436. <https://doi.org/10.1016/j.foodpol.2014.05.010>
- Wacano, D., Nucifera, F., & Cahyadi, A. (2012). A Study of Socio-Economic Vulnerability of Salacca Farmer in Girikerto, Sleman, Yogyakarta (A Lesson Learned from the Merapi Volcano Eruption 2010). *The 4th International Graduate Student Conference on Indonesia, December 2017*, 1–8.
- Wahyuni, P. (2024). *Pemetaan Potensi Lahan Pertanian Padi Sawah Berdasarkan Indeks Potensi Lahan di Kabupaten Solok Selatan*. 2(3).
- Wibowo, R. P., Raihan, A., Sumono, & Gunawan, D. (2019). Comparative analysis of technical efficiency between organic and non-organic rice farming in North Sumatera Indonesia. *IOP Conference Series: Materials Science and Engineering*, 648(1). <https://doi.org/10.1088/1757-899X/648/1/012038>
- Widiatmaka, Ambarwulan, W., Setiawan, Y., & Walter, C. (2016). Assessing the suitability and availability of land for agriculture in tuban regency, East Java, Indonesia. *Applied and Environmental Soil Science*, 2016. <https://doi.org/10.1155/2016/7302148>
- Widiatmaka, Munibah, K., & Firmansyah, I. (2013). Evaluasi kesesuaian lahan untuk padi sawah menggunakan automated land evaluation system di sentra produksi padi karawang bagian utara, provinsi jawa barat. *Jur. Ilm. Kel. & Kons*, II, 682–697. <http://repository.ipb.ac.id/handle/123456789/72765>
- World Agroforestry ICRAF. (2007). Panduan Evaluasi Kesesuaian Lahan dengan Contoh Peta Arahana Penggunaan Lahan Kabupaten Aceh Barat. Balai Penelitian Tanah dan World Agroforestry Centre (ICRAF), Bogor, Indonesia. Pernyataan. *Balai Penelitian Tanah Dan World Agroforestry Centre (ICRAF)*, ISBN: 979-3198-37-8, 1–21.
- Worradaluk, A., Mungkalasiri, J., Soralump, C., & Suksatit, P. (2019). Applying Sustainability Assessment of Food and Agriculture systems (SAFA) Tool to evaluate Environmental and Social Sustainability: Case Study of Maize Cultivation in Northern Thailand. *Sustainability (Switzerland)*.
- Xia, M., Xiang, P., Mei, G., & Liu, Z. (2023). Drivers for the Adoption of Organic Farming: Evidence from an Analysis of Chinese Farmers. *Agriculture (Switzerland)*, 13(12). <https://doi.org/10.3390/agriculture13122268>
- Xu, J., Jiao, C., Zheng, D., & Li, L. (2024). Agricultural Land Suitability Assessment at the County Scale in Taiyuan, China. *Agriculture (Switzerland)*, 14(1). <https://doi.org/10.3390/agriculture14010016>
- Yogyakarta, B. (2021). Yogyakarta Dalam Angka 2021. *BPS Yogyakarta*, 1–446. <https://jogjakota.bps.go.id/publication/2021/02/26/4c85e0454525ceebd064473a/kota-yogyakarta-dalam-angka-2021.html>
- Zahm, F., Ugaglia, A. A., Barbier, J. M., Carayon, D., Delhomme, B., Gafsi, M., Gasselin,

- P., Gestin, C., Girard, S., Guichard, L., Loyce, C., Manneville, V., Redlingshofer, B., & Rodrigues, I. (2024). Assessing farm sustainability: The IDEA4 method, a conceptual framework combining dimensions and properties of sustainability. *Cahiers Agricultures*, 33. <https://doi.org/10.1051/cagri/2024001>
- Zanzi, A., Vaglia, V., Spigarolo, R., & Bocchi, S. (2021). Assessing agri-food start-ups sustainability in peri-urban agriculture context. *Land*, 10(4). <https://doi.org/10.3390/land10040384>
- Zeraatpisheh, M., Bakhshandeh, E., Hosseini, M., & Alavi, S. M. (2020). Assessing the effects of deforestation and intensive agriculture on the soil quality through digital soil mapping. *Geoderma*, 363(May 2019), 114139. <https://doi.org/10.1016/j.geoderma.2019.114139>
- Zikeli, S., Deil, L., & Möller, K. (2017). The challenge of imbalanced nutrient flows in organic farming systems: A study of organic greenhouses in Southern Germany. *Agriculture, Ecosystems and Environment*, 244, 1–13. <https://doi.org/10.1016/j.agee.2017.04.017>
- Zulfikar, M., Barus, B., & Sutandi, A. (2013). Pemetaan Lahan Sawah Dan Potensinya Untuk Perlindungan Lahan Pertanian Pangan Berkelanjutan Di Kabupaten Pasaman Barat, Sumatera Barat. *Jurnal Ilmu Tanah Dan Lingkungan*, 15(1), 20. <https://doi.org/10.29244/jitl.15.1.20-28>



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