

## DAFTAR PUSTAKA

- Abu, S. T., & Malgwi, W. B. (2011). Spatial Variability of Soil Physico-Chemical Properties in Kadawa Irrigation Project in Sudan Savanna Agroecology of Nigeria. *International Journal of Agricultural Research*, 6: 714-735.
- Akbar, A., Wulandari, S. Y., & Maslukah, L. (2016). Konsentrasi Bahan Organik Total (BOT) dan Logam Berat Timbal (Pb) di Sedimen Perairan Pantai Tasikagung, Rembang. *Journal of Oceanography*, 5(4), 496-504.
- Alam, A. (2014). Soil Degradation: A Challenge to Sustainable Agriculture. *International Journal of Scientific Research in Agricultural Sciences*, 1(4), 50-55.
- Aminu, Z., & Jaiyeoba, I. A. (2015). An Assessment of Soil Degradation in Zaria Area, Kaduna State, Nigeria. *Geography*, 13.
- Amorim, H. C., Ashworth, A. J., Wienhold, B. J., Savin, M. C., Allen, F. L., Saxton, A. M., ... & Curi, N. (2020). Soil Quality Indices Based on Long-Term Conservation Cropping Systems Management. *Agrosystems, Geosciences & Environment*, 3(1), e20036.
- Andrews, S. S., Karlen, D. L., & Mitchell, J. P. (2002). A Comparison of Soil Quality Indexing Methods for Vegetable Production Systems in Northern California. *Agriculture, ecosystems & environment*, 90(1), 25-45.
- Arifin, H. S., & Nakagoshi, N. (2011). Landscape Ecology and Urban Biodiversity in Tropical Indonesian Cities. *Landscape and ecological engineering*, 7, 33-43.
- Arifin, M. (2010). Kajian Sifat Fisik Tanah dan Berbagai Penggunaan Lahan dalam Hubungannya dengan Pendugaan Erosi Tanah. *Mapeta*, 12(2).
- Armenise, E., Redmile-Gordon, M. A., Stellacci, A. M., Ciccicarese, A., & Rubino, P. (2013). Developing A Soil Quality Index to Compare Soil Fitness for Agricultural Use Under Different Managements in The Mediterranean Environment. *Soil and Tillage Research*, 130, 91-98.
- Assesment, M. E. (2005). Ecosystems and Human Well-being: Synthesis. *Phys. Teach*, 34(9), 534.
- Bogunovic, I., Viduka, A., Magdic, I., Telak, L. J., Francos, M., & Pereira, P. (2020). Agricultural and Forest Land-Use Impact on Soil Properties in Zagreb Periurban Area (Croatia). *Agronomy*, 10(9), 1331.
- Boling, A. A., Tuong, T. P., Suganda, H., Konboon, Y., Harnpichitvitaya, D., Bouman, B. A. M., & Franco, D. T. (2008). The Effect of Toposequence Position on Soil Properties, Hydrology, and Yield of Rainfed Lowland Rice in Southeast Asia. *Field Crops Research*, 106(1), 22-33.

- Brady, N. C., Weil, R. R., & Weil, R. R. (2008). *The Nature and Properties of Soils* (Vol. 13, pp. 662-710). Upper Saddle River, NJ: Prentice Hall.
- Brown, G. G., Benito, N. P., Pasini, A., Sautter, K. D., de F Guimarães, M., & Torres, E. (2003). No-Tillage Greatly Increases Earthworm Populations in Paraná State, Brazil: The 7th International Symposium on Earthworm Ecology. Cardiff, Wales. 2002. *Pedobiologia*, 47(5-6), 764-771.
- Calero, J., Delgado, R., Delgado, G., & Martín-García, J. M. (2008). Transformation of Categorical Field Soil Morphological Properties into Numerical Properties for The Study of Chronosequences. *Geoderma*, 145(3-4), 278-287.
- Chalise, D., Kumar, L., & Kristiansen, P. (2019). Land Degradation by Soil Erosion in Nepal: A Review. *Soil systems*, 3(1), 12.
- Chen, Y., Qi, Y., Wei, Y., Ning, W., & He, B. (2024). Root Traits and Soil Detachment in Response to Variable Slope Gradients in A Representative Purple-Soil Sloping Grassland. *Catena*, 239, 107936.
- Cherubin, M. R., Karlen, D. L., Cerri, C. E., Franco, A. L., Tormena, C. A., Davies, C. A., & Cerri, C. C. (2016). Soil Quality Indexing Strategies for Evaluating Sugarcane Expansion in Brazil. *PloS one*, 11(3), e0150860.
- Christanto, N., Sartohadi, J., Setiawan, M. A., Hadi, M. P., Jetten, V. G., & Shrestha, D. P. (2017). Investigating The Effect of Conservation Techniques on The Land Degradation of Tropical Catchment Prone to Landslide. *Jurnal Geografi: Media Informasi Pengembangan dan Profesi Kegeografian*, 14(2), 1-10.
- Christanto, N., Setiawan, M. A., Kholis, A. N., Sharma, R., & Shrestha, D. P. (2024). Impacts of Land Use on Runoff and Sediment Dynamics in Tropical Watersheds: A Case Study in Bogowonto Upper Watershed. *Jambura Geoscience Review*, 6(2), 96-105.
- Conelly, W. T., & Chaiken, M. S. (2000). Intensive Farming, Agro-Diversity, and Food Security Under Conditions of Extreme Population Pressure in Western Kenya. *Human Ecology*, 28, 19-51.
- Costantini, E. A., & Lorenzetti, R. (2013). Soil Degradation Processes in The Italian Agricultural and Forest Ecosystems. *Italian Journal of Agronomy*, 8(4), e28.
- Duchini, P. G., Guzatti, G. C., Ribeiro-Filho, H. M., & Sbrissia, A. F. (2016). Intercropping Black Oat (*Avena Strigosa*) and Annual Ryegrass (*Lolium Multiflorum*) Can Increase Pasture Leaf Production Compared with Their Monocultures. *Crop and Pasture Science*, 67(5), 574-581.

- Fajrina, C., Arabia, T., & Sufardi, S. (2019). Distribusi Fe-Dan Al-Humus serta C Organik Tanah pada Entisol dan Inceptisol di Lahan Kering Jantho, Kabupaten Aceh Besar. *Jurnal Ilmiah Mahasiswa Pertanian*, 4(1), 664-676.
- Fajriyantie, D., Wawan, W., & Budijono, B. (2024). Penilaian Degradasi Lahan Gambut Pada Beberapa Land Use di Desa Batang Duku Kecamatan Bukit Batu Kabupaten Bengkalis, Riau. *Jurnal Zona*, 8(2), 115-121.
- FAO. (2010). What Is Conservation Agriculture? <http://www.fao.org/ag/ca>. [Retrieved 5th October 2024].
- Farrasati, R., Pradiko, I., Rahutomo, S., Sutarta, E. S., Santoso, H., & Hidayat, F. (2019). C-Organik Tanah Di Perkebunan Kelapa Sawit Sumatera Utara: Status dan Hubungan dengan Beberapa Sifat Kimia Tanah. *Jurnal Tanah dan Iklim*, 43(2), 157-165.
- Franchini, J. C., Saraiva, O. F., Brown, G. G., & Torres, E. (2004). *Soil Management and Soil Carbon Contributions in Brazilian Soybean Production Systems*. Londrina: Brazilian Agricultural Research Corporation, National Soybean Research Center.
- Genet, M., Kokutse, N., Stokes, A., Fourcaud, T., Cai, X., Ji, J., & Mickovski, S. (2008). Root Reinforcement in Plantations of *Cryptomeria Japonica* D. Don: Effect of Tree Age and Stand Structure on Slope Stability. *Forest ecology and Management*, 256(8), 1517-1526.
- Ginting, R., Ginting, R., Razali, R., & Nasution, Z. (2013). Pemetaan Status Unsur Hara C-Organik dan Nitrogen di Perkebun Nanas (*Ananas Comosus* L. Merr) Rakyat Desa Panribuan Kecamatan Dolok Silau Kabupaten. *Jurnal Agroekoteknologi Universitas Sumatera Utara*, 1(4), 96089.
- Griffiths, B. S., Ball, B. C., Daniell, T. J., Hallett, P. D., Neilson, R., Wheatley, R. E., ... & Bohanec, M. (2010). Integrating Soil Quality Changes to Arable Agricultural Systems Following Organic Matter Addition, Or Adoption of A Ley-Arable Rotation. *Applied Soil Ecology*, 46(1), 43-53.
- Guo, M., Zhang, T., Li, Z., & Xu, G. (2019). Investigation of Runoff and Sediment Yields Under Different Crop and Tillage Conditions by Field Artificial Rainfall Experiments. *Water*, 11(5), 1019.
- Habib, F. (2007). *Studi Pengembangan dan Klasifikasi Tanah pada Lereng Selatan Gunung Pucung Kecamatan Bumiaji, Kodya Batu*. (Doctoral dissertation, Universitas Brawijaya).
- Harahap, F. S., Harahap, D. E., & Harahap, P. (2020). Land Characteristics and Land Evaluation for Development on Other Use Area Rice Fertilizer Plants in District Salak Regency Pakpak Bharat. *Ziraa'ah Majalah Ilmiah Pertanian*, 45(2), 195-204.
- Hardjowogeno S. (1987). *Ilmu Tanah*. Jakarta: Mediyatama Sarana Perkasa.

- Haryati, U. (2014). Karakteristik Fisik Tanah Kawasan Budidaya Sayuran Dataran Tinggi, Hubungannya dengan Strategi Pengelolaan Lahan. *Jurnal Sumberdaya Lahan*, 8(2), 133497.
- Herrick, J. E. (2000). Soil Quality: An Indicator of Sustainable Land Management. *Applied soil ecology*, 15(1), 75-83.
- Higginbottom, T. P., & Symeonakis, E. (2014). Assessing Land Degradation and Desertification Using Vegetation Index Data: Current Frameworks and Future Directions. *Remote Sensing*, 6(10), 9552-9575.
- Hillel, D. (2012). *Soil and Water: Physical Principles and Processes*. Elsevier.
- Husin, E. F., & Syarif, A. (2019). Peranan Cendawan Mikoriza Indigenus (CEMIKO) sebagai Pupuk Hayati di Daerah Tropika Basah. *Perspektif Pertanian Tropika Basah: Potensi dan Tantangannya Dalam Rangka Pertanian Berkelanjutan*, 325.
- Indahwati, R., Hendarto, I. B., & Izzati, M. (2013). Perbedaan Kualitas Lahan Apel Sistem Pertanian Intensif dengan Sistem Pertanian Ramah Lingkungan (Studi Kasus di Kelompok Tani Makmur Abadi Desa Tulungrejo Kecamatan Bumiaji Kota Batu). *Bioma: Berkala Ilmiah Biologi*, 15(2), 90-97.
- Islam, M. S., Hui Pei, Y., & Mangharam, S. (2016). Trans-Boundary Haze Pollution in Southeast Asia: Sustainability Through Plural Environmental Governance. *Sustainability*, 8(5), 499.
- Isra, N., Lias, S. A., & Ahmad, A. (2019). Karakteristik Ukuran Butir dan Mineral Liat Tanah pada Kejadian Longsor (Studi Kasus: Sub DAS Jeneberang). *Jurnal Ecosolum*, 8(2), 62-73.
- Jahn, R., Blume, H. P., Asio, V. B., Spaargaren, O., & Schad, P. (2006). *Guidelines for Soil Description*. FAO.
- Karamina, H., Fikrinda, W., & Murti, A. T. (2017). Kompleksitas Pengaruh Temperatur dan Kelembaban Tanah Terhadap Nilai pH Tanah di Perkebunan Jambu Biji Varietas Kristal (*Psidium Guajava L.*) Bumiaji, Kota Batu. *Kultivasi*, 16(3).
- Karlen, D. L., Mausbach, M. J., Doran, J. W., Cline, R. G., Harris, R. F., & Schuman, G. E. (1997). Soil Quality: A Concept, Definition, and Framework for Evaluation (A Guest Editorial). *Soil Science Society of America Journal*, 61(1), 4-10.
- Kementerian Lingkungan Hidup dan Kehutanan. (2019). Statistik Lingkungan Hidup dan Kehutanan Tahun 2019. KLHK.
- Khalili-Rad, M., Nourbakhsh, F., Jalalian, A., & Eghbal, M. K. (2011). The Effects of Slope Position on Soil Biological Properties in An Eroded Toposequence. *Arid Land Research and Management*, 25(3), 308-312.

- Krasilnikov, P., Makarov, O., Alyabina, I., & Nachtergaele, F. (2016). Assessing Soil Degradation in Northern Eurasia. *Geoderma regional*, 7(1), 1-10.
- Kusro, P. S., Kumar, N., Tedia, K., Naitam, R. K., Bajpai, R. K., & Gritlahare, A. (2022). Soil Characterization of Kanker District: A Transect Study Along a Toposequence. *Journal of The Indian Society of Soil Science*, 70(3), 296-305.
- Lado, M., & Ben-Hur, M. (2004). Soil Mineralogy Effects on Seal Formation, Runoff and Soil Loss. *Applied Clay Science*, 24(3-4), 209-224.
- Lavelle, P., Decaëns, T., Aubert, M., Barot, S., Blouin, M., Bureau, F., & Rossi, J. P. (2006). Soil Invertebrates and Ecosystem Services. *European Journal of Soil Biology*, 42, S3-S15.
- Levi, M. R., Shaw, J. N., Wood, C. W., Hermann, S. M., Carter, E. A., & Feng, Y. (2010). Land Management Effects on Near-Surface Soil Properties of Southeastern US Coastal Plain Kandiudults. *Soil Science Society of America Journal*, 74(1), 258-271.
- Malgwi, W. B., & Abu, S. T. (2011). Variation in Some Physical Properties of Soils Formed on A Hilly Terrain Under Different Land Use Types in Nigerian Savanna. *International Journal of Soil Science*, 6(3), 150.
- Mathewos, M., Hailu, B., & Ketema, A. (2023). The Impacts of Landscape Positions and Land Management Practices on Soil Physicochemical Properties in Mancha Galgo Watershed, Rift Valley Basin of Ethiopia. *Geology, Ecology, and Landscapes*, 1-17.
- Melo, V. F., Orrutéa, A. G., Motta, A. C. V., & Testoni, S. A. (2017). Land Use and Changes in Soil Morphology and Physical-Chemical Properties in Southern Amazon. *Revista Brasileira de Ciência do Solo*, 41, e0170034.
- Menteri Negara Lingkungan Hidup (2006). Peraturan Menteri Negara Lingkungan Hidup tentang Tata Cara Pengukuran Kriteria Baku Kerusakan Tanah untuk Produksi Biomassa. (PermenLH No. 7 tahun 2006), Jakarta. Pemerintah Republik Indonesia (2000).
- Moges, A., & Holden, N. M. (2008). Soil Fertility in Relation to Slope Position and Agricultural Land Use: A Case Study of Umbulo Catchment in Southern Ethiopia. *Environmental Management*, 42, 753-763.
- Molchanov, E. N., Savin, I. Y., Yakovlev, A. S., Bulgakov, D. S., & Makarov, O. A. (2015). National Approaches to Evaluation of The Degree of Soil Degradation. *Eurasian Soil Science*, 48, 1268-1277.
- Mujizat, Y., Namriah, N., Leomo, S., Darwis, D., Alam, S., & Resman, R. (2023). Variabilitas Kandungan C-Organik pada Tanah Ultisol yang Diberi Berbagai Jenis Bahan Organik untuk Pertumbuhan Tanaman Sawi. *Jurnal Agroteknologi (Agronu)*, 2(02), 82-90.

- Mulyono, A., Lestiana, H., & Fadilah, A. (2019). Permeabilitas Tanah Berbagai Tipe Penggunaan Lahan di Tanah Aluvial Pesisir DAS Cimanuk, Indramayu. *Jurnal Ilmu Lingkungan*, 17(1), 1-6.
- Murni, S. D., Nusantara, R. W., Manurung, R., & Umran, I. (2023). Karakteristik Biologi Tanah pada Dua Tipe Penggunaan Lahan di Pal IX Kecamatan Sungai Kakap Kabupaten Kubu Raya Kalimantan Barat. *Jurnal Pertanian Agros*, 25(3), 2183-2189.
- Nhindyasari, P. D., Maulanda, E., Setiawan, O., Sartohadi, J., & Pulungan, N. A. H. (2024). The Role of Slope Position on Soil Erosion Acceleration in the Tertiary-Quaternary Volcanic Landscape. *Ecological Engineering & Environmental Technology (EET)*, 25(12).
- Nurhartanto, N., Zulkarnain, Z., & Wicaksono, A. A. (2022). Analisis Beberapa Sifat Fisik Tanah Sebagai Indikator Kerusakan Tanah pada Lahan Kering. *Jurnal Agroekoteknologi Tropika Lembab*, 4(2), 107-112.
- Nurwidyanto, M. I., Yustiana, M., & Widada, S. (2006). Pengaruh Ukuran Butir Terhadap Porositas dan Permeabilitas pada Batupasir. *Berkala Fisika*, 9(4), 191-195.
- Nusantara, R. W., Aspan, A., Alhaddad, A. M., Suryadi, U. E., Makhrawie, M., Fitria, I., ... & Rezekikasari, R. (2018). Peat Soil Quality Index and Its Determinants as Influenced by Land Use Changes in Kubu Raya District, West Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 19(2), 535-540.
- Nweke, I. A., & Nsoanya, L. N. (2013). Soil pH An Indices for Effective Management of Soils for Crop Production. *International Journal of Scientific and Technology Research*, 2, 132-134.
- Oliveira, F. H. T. D., Arruda, J. A. D., Silva, I. D. F. D., & Alves, J. D. C. (2007). Sampling For Soil Fertility Evaluation as Influenced by Sampling Tool and Soil Tillage. *Revista Brasileira de Ciência do Solo*, 31, 973-983.
- Parker, D., Tosiani, A., Yazid, M., Sari, I. L., Kartika, T., Kustiyo, ... & Hansen, M. C. (2024). Land in Limbo: Nearly One Third of Indonesia's Cleared Old-Growth Forests Left Idle. *Proceedings of the National Academy of Sciences*, 121(28), e2318029121.
- Partoyo, P., & Herlambang, S. (2023). Penilaian Potensi dan Status Degradasi Lahan Pertanian di Kelurahan Ngalang, Kapanewon Gedangsari, Kabupaten Gunungkidul. *Jurnal Tanah dan Air (Soil and Water Journal)*, 19(2), 75-85.
- Paz-Kagan, T., Shachak, M., Zaady, E., & Karnieli, A. (2014). A Spectral Soil Quality Index (SSQI) for Characterizing Soil Function in Areas of Changed Land Use. *Geoderma*, 230, 171-184.

- Peraturan Pemerintah RI tentang Pengendalian Kerusakan Tanah untuk Produksi Biomassa, (PP No.150 tahun 2000), Jakarta.
- Pertiwi, M. D., & Cempaka, I. G. (2020). Pengaruh Pola Tanam Terhadap Pertumbuhan dan Hasil Kentang di Wilayah Dataran Tinggi Dieng, Jawa Tengah. *Jurnal Ilmu-Ilmu Pertanian*, 27(1), 21-29.
- Powlson, D. S., Hirsch, P. R., & Brookes, P. C. (2001). The Role of Soil Microorganisms in Soil Organic Matter Conservation in The Tropics. *Nutrient cycling in Agroecosystems*, 61, 41-51.
- Pratiwi, S. D., Isnaniawardhani, V., & Oktavia, D. (2019). Geomorphosites dan Bentuk Lahan Antropogenik dalam Pengembangan Kawasan Geoheritage dan Geokonservasi Pada Geopark Pulau Belitung. *Bulletin of Scientific Contribution: GEOLOGY*, 17(2), 65-76.
- Purwandaru, W., & Hanifa, H. (2021). Identifikasi Degradasi Lahan Berdasarkan Sifat Fisika Tanah di DAS Merawu, Banjarnegara, Jawa Tengah. *Geo Spatial Proceeding*.
- Putranto, T. T., Hidajat, W. K., & Wardhani, A. K. (2017). Aplikasi Geospasial Analisis untuk Penentuan Zona Imbuhan Airtanah di Cat Wonosobo, Provinsi Jawa Tengah. *Jurnal Tata Loka*, 19, 175-191.
- Rachman, A. (2017). Peluang dan Tantangan Implementasi Model Pertanian Konservasi di Lahan Kering. *Sumber Daya Lahan*, 11(2), 77-90.
- Raiesi, F., & Kabiri, V. (2016). Identification of Soil Quality Indicators for Assessing The Effect of Different Tillage Practices Through A Soil Quality Index in A Semi-Arid Environment. *Ecological Indicators*, 71, 198-207.
- Ramadhan, B., Elviyanti, E., & Theressia, M. (2022). Analisis Faktor yang Berpengaruh Terhadap Kinerja Pekerja dari Segi Rencana Keselamatan Kontruksi. *Journal of Applied Engineering Scienties*, 5(3), 186-194.
- Rohmat, D. (2009). Tipikal Kuantitas Infiltrasi Menurut Karakteristik Lahan (Kajian Empirik di DAS Cimanuk Bagian Hulu). In *Forum Geografi* (Vol. 23, No. 1, pp. 41-56).
- Roy, P., Pal, S. C., Chakraborty, R., Islam, A. R. M. T., Chowdhuri, I., & Saha, A. (2022). Impact of Ineffective Measures on The Increasing Land Degradation in A Monsoon-Dominated Region of India: Issues and Policy Implications. *Land Degradation & Development*, 33(16), 3174-3185.
- Sahara, N. Wardah, & Rahmawati. (2019). Populasi Fungi dan Bakteri Tanah di Hutan Pegunungan dan Dataran Rendah di Kawasan Taman Nasional Lore Lindu Sulawesi Tengah. *J. ForestSains*, 16(2), 85-93.

- Salamah, M. H., Niswati, A., Dermiyati, D., & Yusnaini, S. (2016). Pengaruh Sistem Olah Tanah Dan Pemberian Mulsa Bagas Terhadap Populasi Dan Biomassa Cacing Tanah Pada Lahan Pertanaman Tebu Tahun Ke-5. *Jurnal Agrotek Tropika*, 4(3).
- Sefano, M. A., Monikasari, M., Auliadesti, V., Athya, S., & Tapiani, W. (2024). Pengamatan Sifat Biologi Tanah Pada Beberapa Penggunaan Lahan Di Kebun Percobaan Fakultas Pertanian Universitas Andalas. *Journal Arunasita*, 1(1), 15-23.
- Setiawan, A., & Arifin, M. (2023). Prediksi Kelas Tekstur Tanah Berdasarkan Karakteristik Topografi Menggunakan Analisis Diskriminan. *Soilrens*, 21(1), 9-17.
- Shiddiq, I., Rahadian, R., & Tarwotjo, U. (2020). Struktur Komunitas Mikroartropoda Tanah di Lahan Pertanian Kentang di Desa Sembungan Dataran Tinggi Dieng, Jawa Tengah. *Jurnal Biologi Tropika*, 1(1), 17-23.
- Sitorus, S., B. Susanto, dan O. Haridjaja. (2011). Kriteria dan Klasifikasi Tingkat Degradasi Lahan. *Jurnal Tanah dan Iklim*. 34:66-83.
- Soares, J. L. N., Espíndola, C. R., & Castro, S. S. D. (2005). Alteração Física E Morfológica Em Solos Cultivados Sob Sistema Tradicional De Manejo. *Revista Brasileira de Ciência do Solo*, 29, 1005-1014.
- Stolbovoi, V., Savin, I. Y., Sheremet, B. V., Sizov, V., & Ovechkin, S. V. (1999). The Geoinformation System on Soil Degradation in Russia. *Eurasian Soil Science*, 32(5), 589-593.
- STRUTT, A. (2009). Trade Liberalisation and Soil Degradation in Indonesia. *In A Reforming World Economy*, 40.
- Sutrisno, N., & Heryani, N. (2014). Teknologi Konservasi Tanah dan Air untuk Mencegah Degradasi Lahan Pertanian Berlereng. *Jurnal Penelitian dan Pengembangan Pertanian*, 32(3).
- Talakua, S.M.dan R.M. Osok. (2017). Pengembangan Model Penilaian Degradasi Lahan Berdasarkan Pendekatan Field Assessment. Ambon: Pattimura University Press. ISBN: 978-602-50112-2-1.
- Tutuarima, C. T., Talakua, S. M., & Osok, R. M. (2021). Penilaian Degradasi Lahan dan Dampak Sedimentasi Terhadap Perencanaan Bangungan Air di Daerah Aliran Sungai Wai Ruhu, Kota Ambon. *Jurnal Budidaya Pertanian*, 17(1), 43-51.
- Utomo, B. S., Nuraini, Y., & Widiyanto, W. (2015). Kajian Kemantapan Agregat Tanah pada Pemberian Beberapa Jenis Bahan Organik di Perkebunan Kopi Robusta. *Jurnal Tanah dan Sumberdaya Lahan*, 2(1), 111-117.

- Varvel, G. E., & Wilhelm, W. W. (2011). No-Tillage Increases Soil Profile Carbon and Nitrogen Under Long-Term Rainfed Cropping Systems. *Soil and tillage research*, 114(1), 28-36.
- Vasu, D., Singh, S. K., Ray, S. K., Duraisami, V. P., Tiwary, P., Chandran, P., ... & Anantwar, S. G. (2016). Soil Quality Index (SQI) as A Tool to Evaluate Crop Productivity in Semi-Arid Deccan Plateau, India. *Geoderma*, 282, 70-79.
- Vasu, D., Tiwari, G., Sahoo, S., Dash, B., Jangir, A., Sharma, R. P., & Chandran, P. (2021). A Minimum Data Set of Soil Morphological Properties for Quantifying Soil Quality in Coastal Agroecosystems. *Catena*, 198, 105042.
- Wahyunto, dan Ai Dariah. (2014). Degradasi Lahan di Indonesia, Kondisi Existing, Karakteristik dan Penyeragaman Definisi Mendukung Gerakan Menuju Satu Peta. *Jurnal Suberdaya Lahan* Vol. 8no.2(2014), hal.83.
- Wen, S., Wang, J., Li, Y., & Shao, M. A. (2022). Effects of Anecic Earthworms on Runoff and Erosion on The Slope with Soil from The Loess Plateau Under a Rainfall Simulation Experiment. *Agricultural Water Management*, 259, 107230.
- Wuddivira, M. N., Stone, R. J., & Ekwue, E. I. (2009). Clay, Organic Matter, and Wetting Effects on Splash Detachment and Aggregate Breakdown Under Intense Rainfall. *Soil Science Society of America Journal*, 73(1), 226-232.
- Yulianto, F., Raharjo, P. D., Pramono, I. B., Setiawan, M. A., Chulafak, G. A., Nugroho, G., & Budhiman, S. (2023). Prediction and Mapping of Land Degradation in The Batanghari Watershed, Sumatra, Indonesia: Utilizing Multi-Source Geospatial Data and Machine Learning Modeling Techniques. *Modeling Earth Systems and Environment*, 9(4), 4383-4404.
- Yulina, H., Saribun, D. S., Adin, Z., & Maulana, M. H. R. (2015). Hubungan antara Kemiringan dan Posisi Lereng dengan Tekstur Tanah, Permeabilitas dan Erodibilitas Tanah pada Lahan Tegalan di Desa Gunungsari, Kecamatan Cikatomas, Kabupaten Tasikmalaya. *Agrikultura*, 26(1).
- Yusra, Y., Khusrizal, K., & Diannastiti, F. A. (2020, April). Soil Chemical Characteristics at Three Slope Positions in The Smallholder's Piper Nigrum L. in Lhokseumawe City, Aceh Province. In *IOP Conference Series: Earth and Environmental Science* (Vol. 497, No. 1, p. 012040). IOP Publishing.
- Yustika, R. D., Maswar, M., Dariah, A., Nurida, N. L., Santri, J. A., Widowati, L. R., & Hartatik, W. (2023). Soil Properties of Agricultural Sloping Land in Banjarnegara Regency, Indonesia. In *E3S Web of Conferences* (Vol. 467, p. 01012). EDP Sciences.