

DAFTAR PUSTAKA

- Abdalla, M., A. Hastings, D.R. Chadwick, D.L. Jones, C.D. Evans, M.B Jones, R.M. Rees, P. Smith. 2018. Critical review of the impacts of grazing intensity on soil organic carbon storage and other soil quality indicators in extensively managed grasslands. *Agric. Ecosyst. Environ.* 253, 62–81.
- Aini, L. N., M. Mulyono, & E. Hanudin. (2016). Mineral Mudah Lapuk Material Piroklastik Merapi dan Potensi Keharaannya Bagi Tanaman. *PLANTA TROPIKA: Jurnal Agrosains (Journal of Agro Science)*, 4(2), 84-94.
- Aini, L., B. Soenarminto, E. Hanudin, & J. Sartohadi. (2019). Plant nutritional potency of recent volcanic materials from the southern flank of mt. Merapi, Indonesia. *Bulgarian Journal of Agricultural Science*, 25(3), 527–533.
- Aini, L. N., B.H. Sunarminto, E. Hanudin, & J. Sartohadi. (2018). Soil morphogenesis diversity at the southern flank of Merapi Volcano, Indonesia five years post-eruption. *Indian Journal of Agricultural Research*, 52(5), 472-480.
- Anda, M., & M. Sarwani. (2012). Mineralogy, chemical composition, and dissolution of fresh ash eruption: new potential source of nutrients. *Soil Science Society of America Journal*, 76(2), 733-747.
- Anda, M., & R.A. Dahlgren. (2020). Long-term response of tropical Andisol properties to conversion from rainforest to agriculture. *Catena*, 194, 104679.
- Andrews, S.S., D.L. Karlen, J.P. Mitchell. 2002. A comparison of soil quality indexing methods for vegetable production systems in Northern California. *Agric. Ecosyst. Environ.* 90, 25–45. [https://doi.org/10.1016/S0167-8809\(01\)00174-8](https://doi.org/10.1016/S0167-8809(01)00174-8).
- Andrews, S. S., D.L. Karlen. & C.A. Cambardella. (2004). The Soil Management Assessment Framework. *Soil Science Society of America Journal*, 68(6), 1945. <https://doi.org/10.2136/sssaj2004.1945>
- Arifin, M., N.D Putri, A. Sandrawati, & R. Harryanto. (2018). Pengaruh posisi lereng terhadap sifat fisika dan kimia tanah pada inceptisols di Jatinangor. *soilrens*, 16(2).
- Arifin, Z. 2011. Analisis Indeks Kualitas Tanah Entisol pada Berbagai Penggunaan Lahan yang Berbeda. Fakultas Pertanian Unram. *Agroteksos* Vol. 21 No. 1 April 2011.
- Asmamaw L.B., A.A. Mohammed. (2013) Effects of slope gradient and changes in land use/cover on selected soil physico-biochemical properties of the Gerado catchment, north-eastern Ethiopia. *Int J Environ Stud* 70:111–125

- Bouckaert, L., S. Sleutel, D. Van Loo, L. Brabant, V. Cnudde, L. Van Hoorebeke, & S. De Neve. (2013). Carbon mineralisation and pore size classes in undisturbed soil cores. *Soil Research*, 51(1), 14-22.
- Belayneh, B., E. Eyasu. & A. Getachew. (2021). Effects of landscape positions on soil physicochemical properties at Shenkolla Watershed, South Central Ethiopia. *Environmental Systems Research*, 10(1).
- Benbi, D.K and J. Ritcher. 2002. A critical review of some approaches to modelling nitrogen mineralization. *Biology and Fertility of Soils* 35: 168-183
- BPS. 2019. Luas Wilayah, Hutan Rakyat, dan Hutan Negara per Kecamatan di Kabupaten Sleman 2015. <https://slemankab.bps.go.id/statictable/2017/11/17/343/luas-wilayah-hutan-rakyat-dan-hutan-negara-per-kecamatan-di-kabupaten-sleman-2015-updated-.html>. Diakses pada 11 Juni 2022
- BPS. 2019. Luas lahan Sawah Menurut Kecamatan dan Jenis Pengairan di Kabupaten Sleman (hektar), 2017. <https://slemankab.bps.go.id/statictable/2019/07/04/453/luas-lahan-sawah-menurut-kecamatan-dan-jenis-pengairan-di-kabupaten-sleman-hektar-2017.html>. Diakses pada 11 Juni 2022
- Budiyanto, G. (2020). Land use planning for disaster-prone areas in southern region of mount Merapi. *AGRIVITA, Journal of Agricultural Science*, 43(1), 1-12.
- Bünemann, E. K., G. Bongiorno, Z. Bai, R.E. Creamer, G. De Deyn, R. de Goede, L. Brussaard. (2018). Soil quality – A critical review. *Soil Biology and Biochemistry*, 120(September 2017), 105–125. <https://doi.org/10.1016/j.soilbio.2018.01.030>
- De Paul Obade, V., & R. Lal. (2014). Soil quality evaluation under different land management practices. *Environmental earth sciences*, 72, 4531-4549.
- Delmelle, P., S. Opfergelt and J.T. Cornelis. 2015. Volcanic Soils. Earth & Life Institute. Environmental Sciences. Universite' Catholique de Louvain, Belgium.
- Chaudhari, P.R., D.V. Ahire, V.D. Ahire, M. Chkravarty, and S. Maity. (2013). Soil Bulk Density as related to Soil Texture , Organic Matter Content and available total Nutrients of 3, 1–8.
- Delsiyanti, Widjajanto, D., dan U.A. Rajamuddin. 2016. Sifat Fisik Tanah Pada Beberapa Penggunaan Lahan Di Desa Oloboju Kabupaten Sigi. *Jurnal Agrotekbis*, 4(3), 227-234.
- Dhakal, S., M. Koirala, E. Sharma, & N.R. Subedi. (2010). Effect of land use change on soil organic carbon stock in Balkhu Khola watershed southwestern part of Kathmandu valley, central Nepal. *World Academy of Science Engineering and Technology*, 66.

- Ermadani, E., H. Hermansah, Y. Yulnafatmawita, & A. Syarif. (2018). Dynamics of Soil Organic Carbon Fractions under Different Land Management in Wet Tropical Areas. *Jurnal Solum*, 15(1), 26-39.
- Erwin. B.H. Sunarminto. 2009. Genesis beberapa jenis tanah di Lereng Selatan Gunung Merapi Kecamatan Cangkringan Sleman Daerah Istimewa Yogyakarta. Tesis. Fakultas Pertanian. Universitas Gadjah Mada
- Ezeaku, P. I., & F.U Eze. (2014). Effect of land use in relation to slope position on soil properties in a semi-humid Nsukka area, Southeastern Nigeria. *Journal Agricultural Research*, 52(3), 369–381.
- Fiantis, D., M. Nelson, E. Van Ranst, J. Shamshuddin, & N.P. Qafoku. (2009). Chemical weathering of new pyroclastic deposits from Mt. Merapi (Java), Indonesia. *Journal of Mountain Science*, 6, 240-254.
- Fu, B. J., S.L. Liu, L.D. Chen, Y.H. Lü, & J. Qiu. (2004). Soil quality regime in relation to land cover and slope position across a highly modified slope landscape. *Ecological Research*, 19, 111-118.
- Ghimire, P., B. Bhatta, B. Pokhrel, & I. Shrestha. (2018). Assessment of soil quality for different land uses in the Chure region of Central Nepal. *Journal of Agriculture and Natural Resources*, 1(1), 32-42.
- Gosling, P., N. Parsons, & G.D. Bending. (2013). What are the primary factors controlling the light fraction and particulate soil organic matter content of agricultural soils?. *Biology and fertility of soils*, 49, 1001-1014.
- Gufriadi. 2018. Sifat Fisik dan Sifat Kimia Tanah pada Semak Belukar di Daerah Aliran Sungai Pangkajene. Skripsi. Univeristas Hasanuddin : Fak. Kehutanan. 57 hlm.
- Guo, L.L., Z.G. Sun, Z. Ouyang, D.R. Han, F.D. (2017). A comparison of soil quality evaluation methods for Fluvisol along the lower Yellow River. *CATENA* 152, 135-143.
- Hall, R.L., L.H. Cammeraat, S.D. Keesstra, M. Zorn. 2017. Impact of secondary vegetation succession on soil quality in a humid Mediterranean landscape. *Catena* 149, 836–843
- Hernawan, F. 2017. Kajian Beberapa Sifat Fisika dan Kimia Tanah pada Katena Lereng Timur Gunung Merapi. 2017. Skripsi. Fakultas Petanian. Universitas Gadjah Mada
- Indra, R. 2005. Kajian Sifat Fisika, Kimia dan Beberapa Aspek Pengelolaan Tanah pada Toposekuen Lereng Selatan Tanah Abu Volkan Merapi Kab. Sleman. Tesis. Fakultas Pertanian. Universitas Gadjah Mada.
- Irwan, T. dan S.B. Budi Yuwono. 2016. Infiltrasi pada berbagai tegakan hutan di arboretum Universitas Lampung. *Jurnal Sylva Lestari* 4(3): 21-34..

- Jakšić, S., J. Ninkov, S. Milić, J. Vasin, M. Živanov, D. Jakšić, & V. Komlen. (2021). Influence of slope gradient and aspect on soil organic carbon content in the region of Niš, Serbia. *Sustainability*, 13(15), 8332.
- Jakšić, S., J. Ninkov, S. Milić, J. Vasin, D. Banjac, D. Jakšić, & M. Živanov. (2020). The state of soil organic carbon in vineyards as affected by soil types and fertilization strategies (Tri Morave Region, Serbia). *Agronomy*, 11(1), 9.
- Jobbágy, E. G., & R.B. Jackson. (2000). The vertical distribution of soil organic carbon and its relation to climate and vegetation. *Ecological applications*, 10(2), 423-436.
- Kairis, O., C. Aratzioglou, A. Filis, M. Van Mol, & C. Kosmas. (2021). The effect of land management practices on soil quality indicators in Crete. *Sustainability*, 13(15), 8619.
- Karlen, D. L., N.S. Eash, & P.W. Unger. (1992). Soil and crop management effects on soil quality indicators. *American Journal of Alternative Agriculture*, 7(1-2), 48-55.
- Kartikawati, R., E. Hanudin, & B.H. Purwanto. (2019). Physico-Chemical Properties of Volcanic Soils under Different Perennial Plants from Upland Area of Mt. Merapi, Indonesia. *PLANTA TROPICA*, 7(1), 93-102.
- Khalif, U., S.R. Utami, dan Z. Kusuma. 2014. Pengaruh penanaman sengon (*Paraserianthes falcataria*) Terhadap kandungan C dan N tanah di Desa Slamparejo, Jabung, Malang. *Jurnal Tanah dan Sumberdaya Lahan* 1 (1) : 9-15.
- Khan, F., Z. Hayat, W. Ahmad, M. Ramzan, Z. Shah, M. Sharif & M. Hanif. (2013). Effect of slope position on physico-chemical properties of eroded soil. *Soil Environ*, 32(1), 22-28.
- Kumendong, N. R., H. D. Walangitan, J. S. Tasirin, dan A. Thomas. 2015. Analisa tingkat bahaya erosi dalam rangka perencanaan rehabilitasi dan konservasi tanah areal model mikro DAS (mdm) marawas swp DAS Tondano. *Cocos* 6(13): 1-7.
- Karamoy, L. T., 2013. Analisis Potensi Sumberdaya Lahan untuk Arahan Pengembangan Agropolitan di Pulau Lembeh Kota Bitung. Disertasi. Universitas Brawijaya Malang
- Kettler, T. A., J.W. Doran, & T.L. Gilbert. (2001). Simplified method for soil particle-size determination to accompany soil-quality analyses. *Soil Science Society of America Journal*, 65(3), 849-852.
- Krauss, M., R. Ruser, T. Muller, S. Hansen, P. Mader, A. Gattinger. 2017. Impact of Reduced Tillage on Greenhouse Gass Emissions and Soil Carbon Stock in an Organic Grass-clover Ley - Winter Wheat Cropping Sequence. *Agriculture*,

Ecosystem and Environment 239 (2017) 324-333.
<http://dx.doi.org/10.1016/j.agee.2017.01.029>

- Kyuma, K. 2004. Paddy Soil Science. Kyoto University and Trans Pacific Press. Printed in Melbourne by BPA Print Group. 380 pp
- Kusumawati, A., E. Hanudin, B.H. Purwanto, & M. Nurudin. 2023. Assessing Soil Quality Index Under Different Sugarcane Monoculture Periods and Soil Orders. *Communications in Soil Science and Plant Analysis*, 54(2), 225-242.
- Lal, R., 2015. Restoring soil quality to mitigate soil degradation. *Sustainability* 7, 5875–5895.
- Lesik, E. M., H. L. Sianturi, A. S. Geru, & B. Bernandus. (2020). Analisis Pola Hujan Dan Distribusi Hujan Berdasarkan Ketinggian Tempat Di Pulau Flores. *Jurnal Fisika: Fisika Sains dan Aplikasinya*, 5(2), 118-128.
- Leul, Y., M. Assen, S. Damene, & A. Legass. (2023). Effects of land use types on soil quality dynamics in a tropical sub-humid ecosystem, western Ethiopia. *Ecological Indicators*, 147, 110024.
- Li, M., X. Han, & L.J. Li. (2022). Total Nitrogen Stock in Soil Profile Affected by Land Use and Soil Type in Three Counties of Mollisols. *Frontiers in Environmental Science*, 1001.
- Lima, A. C. R., Brussaard, L., Totola, M. R., Hoogmoed, W. B., & de Goede, R. G. M. (2013). A functional evaluation of three indicator sets for assessing soil quality. *Applied Soil Ecology*, 64, 194–200. <https://doi.org/10.1016/j.apsoil.2012.12.009>
- Liu, M., G. Han, and Q. Zhang. 2019. Effects of soil aggregate stability on soil organic carbon and nitrogen under land use change in an Erodible Region in Southwest China. *International Journal of Environmental Research and Public Health*. (16): 3809
- Longepierre, M., R. Feola Conz, BM. Barthel, D. Bru, L. Philippot, J. Six, & M. Hartmann. (2022). Mixed effects of soil compaction on the nitrogen cycle under pea and wheat. *Frontiers in Microbiology*, 12, 4306.
- Majule A.E. (2010). The impact of land management practices on soil quality and implications on smallholder productivity in Southern Highland of Tanzania. *Environmental Economics*, 1(1)
- Martín-Sanz, J. P., A. de Santiago-Martín, I. Valverde-Asenjo, J.R. Quintana-Nieto, C. González-Huecas, & A.L. López-Lafuente. (2022). Comparison of soil quality indexes calculated by network and principal component analysis for carbonated soils under different uses. *Ecological Indicators*, 143, 109374.
- Masto, R. E., S. Sheik, G. Nehru, V.A. Selvi, J. George, & L.C. Ram. (2015). Assessment of environmental soil quality around Sonepur Bazari mine of

Raniganj coalfield, India. Solid Earth, 6(3), 811– 821.
<https://doi.org/10.5194/se-6-811-2015>

- McDaniel, P.A., D.J. Lowe, O. Arnalds, C.L. Ping. 2011. Andisols. In: Huang, P.M., Li, Y., Summer, M.E. (Eds.), Handbook of Soil Sciences. CRC Press, pp. 29-45.
- Meier, I. C., & C. Leuschner. (2010). Variation of soil and biomass carbon pools in beech forests across a precipitation gradient. *Global Change Biology*, 16(3), 1035-1045.
- Minarsih, S., & E. Hanudin. (2020). Kualitas Tanah pada Beberapa Tipe Penggunaan Lahan. In *SEMINAR NASIONAL PERTANIAN PETERNAKAN TERPADU* (Vol. 2, No. 03, pp. 146-157).
- Moebius-Clune, B.N., D.J. Moebius-Clune, B.K. Gugino, O.J. Idowu, R.R. Schindelbeck, A.J. Ristow, H.M. van Es, J.E. Thies, H.A. Shayler, M.B. McBride, K.S.M Kurtz, D.W. Wolfe, and G.S. Abawi, 2016. Comprehensive Assessment of Soil Health – The Cornell Framework, Edition 3.2. Cornell University, Geneva, NY. ISBN: 0-967-6507-6-3.
- Murphy, B.W., (2014) Soil Organic Matter and Soil Function—Review of the Literature and Underlying Data. *Department of the environment, canberra, Australia*.
- Nanko, K., S. Ugawa, S. Hashimoto, A. Imaya, M. Kobayashi, H. Sakai, & S. Kaneko. (2014). A pedotransfer function for estimating bulk density of forest soil in Japan affected by volcanic ash. *Geoderma*, 213, 36-45.
- Nasution, N. A. P., S. Yusnaini, & A. Niswati. (2015). Respirasi Tanah pada Sebagian Lokasi di Hutan Taman Nasional Bukit Barisan Selatan (TNBBS). *Jurnal Agrotek Tropika*, 3(3), 427-433.
- Navarro-Pedreño, J., M.B. Almendro-Candel, & A.A. Zorpas. (2021). The increase of soil organic matter reduces global warming, myth or reality?. *Sci*, 3(1), 18.
- Noviyanto, A., P. Purwanto, S. Minardi, & S. Supriyadi. (2017). The assessment of soil quality of various age of land reclamation after coal mining: a chronosequence study. *Journal of Degraded and Mining Lands Management*, 5(1), 1009–1018.
<https://doi.org/10.15243/jdmlm.2017.05.1.1009>
- Parfitt, R.L. 2009. Allophane and imogolite; role in soil biogeochemical processes. The Mineralogical Society. Landcare Research, Palmerston North, New Zealand Clay Minerals. 44: 135–155.
- Partoyo. 2005. Analisis Indeks Kualitas Tanah Pertanian di Lahan Pasir Pantai Samas Yogyakarta. Ilmu Pertanian : Vol. 12 No.2, 2005 : 140 – 151. Yogyakarta.
- Plaster, E. J. 2003. Soil Science and Management (4th ed). Thomson Learning, Inc. New York
- Prayitno, A., J. Sartohadi, and M. Nurudin. 2019. Utilization of Soil Function Information for Assessing Soil Quality of Rice Field In The Quaternary-Tertiary Volcanic

Transitional Zones In Central Java. *Journal of Soil Science and Agroclimatology*, 16(2), 2019, 169-180.
<http://dx.doi.org/10.20961/stjssa.v16i2.35492>

- Qifli, A.K.M., H. Kurniatun, dan S. Didik. 2014. Studi Nitrifikasi Tanah Dengan Penambahan Seresah Asal Hutan Alami dan Agroforestri Kopi. *Jurnal tanah dan Sumberdaya Lahan*. 1 (2): p.15-24.
- Qusnulia, R. (2016). Kajian Kualitas Dan Karakteristik Tanah Vulkanik Lereng Selatan Gunung Merapi Pada Ketinggian Tempat Berbeda Di Desa Girikerto, Kecamatan Turi, Kabupaten Sleman, Yogyakarta (Doctoral dissertation, UPN" Veteran" Yogyakarta).
- Raiesi, F., 2017. A minimum data set and soil quality index to quantify the effect of land use conversion on soil quality and degradation in native rangelands of upland arid and semiarid regions. *Ecol. Indic.* 75, 307–320.
- Ramadhan, F. 2021. Kualitas Tanah pada Lahan Salak dengan Sistem Budidaya Organik dan Konvensional di Bangunkerto, Turi, Sleman. Skripsi. Fakultas Pertanian. Universitas Gadjah Mada
- Ratnadi, L. 2004. Keberadaan Bahan Amorf dan Hubungannya dengan Sifat Kimia Andisol dari Kecamatan Ponjong Gunung Kidul Jogjakarta. Tesis. Fakultas Pertanian. Universitas Gadjah Mada.
- Rosmarkam, A., dan N.W. Yuwono. 2002. Ilmu Kesuburan Tanah. Kanisius, Yogyakarta. 510 hal.
- Satrohartono, H., 2011. Mapping Kawasan Salak Pondoh Kabupaten Sleman Menggunakan Pengolahan Citra Quick Bird Dan Sistem Informasi Geografis Sistem Informasi Geografis. https://www.researchgate.net/publication/320084218_MAPPING_KAWASAN_SALAK_PONDOH_KABUPATEN_SLEMAN_MENGGUNAKAN_PENGOLAHAN_CITRA_QUICK_BIRD_DAN_SISTEM_INFORMASI_GEOGRAFIS_SISTEM_INFORMASI_GEOGRAFIS. Diakses pada 11 Juni 2022.
- Scowcroft, P. G., D.R. Turner, & P.M. Vitousek. (2000). Decomposition of *Metrosideros polymorpha* leaf litter along elevational gradients in Hawaii. *Global Change Biology*, 6(1), 73-85.
- Shania, P. Y. (2022). *Kajian Sifat Fisika Tanah Pada Beberapa Kelas Lereng Di Dua Kabupaten Budidaya Bawang Putih (Allium sativum L) Di Sumatera Barat* (Doctoral dissertation, Universitas Andalas).
- Schröder, J. J., R.P.O. Schulte, R.E. Creamer, A. Delgado, J. Van Leeuwen, T. Lehtinen, & D.P. Wall. (2016). The elusive role of soil quality in nutrient cycling: a review. *Soil Use and Management*, 32(4), 476-486.
- Shrestha, B.M. and B.R. Singh. (2008). Soil and vegetation carbon pools in a mountain watershed of Nepal. *Nutrient cycling in agro-ecosystems* 81: 179-191.

- Sinaga, A. H., D. Elfiati, & D. Delvian. (2015). Aktivitas Mikroorganisme Tanah Pada Tanah Bekas Kebakaran Hutan Di Kabupaten Samosir. *Peronema Forestry Science Journal*, 4(1), 60-66.
- Singh, P., & D.K. Benbi. (2018). Soil organic carbon pool changes in relation to slope position and land-use in Indian lower Himalayas. *Catena*, 166, 171-180.
- Soewandita, H. 2008. Studi kesuburan tanah dan analisis kesesuaian lahan untuk komoditas tanaman perkebunan di Kabupaten Bengkalis. *Jurnal Sains dan Teknologi Indonesia* 10 (2) : 128-133.
- Soti, P. G., K. Jayachandran, S. Koptur, & J.C. Volin. (2015). Effect of soil pH on growth, nutrient uptake, and mycorrhizal colonization in exotic invasive *Lygodium microphyllum*. *Plant Ecology*, 216, 989–998. <https://doi.org/10.1007/s11258-015-0484-6>.
- Stella, T., I. Mouratiadou, T. Gaiser, M. Berg-Mohnicke, E. Wallor, F. Ewert, & C. Nendel. (2019). Estimating the contribution of crop residues to soil organic carbon conservation. *Environmental Research Letters*, 14(9), 094008. <https://doi.org/10.1088/1748-9326/ab395c192>
- Sugiyono. (2017). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. Alfabeta: Bandung
- Sukarman. Dariah, A. 2014. Tanah Andosol Di Indonesia Karakteristik, Potensi, Kendala, Dan Pengelolaanya Untuk Pertanian. Bogor. Penerbit : Balai Besar Penelitian Dan Pengembangan Sumberdaya Lahan Pertanian.
- Suprihatin, A., & J. Amirrullah. (2018). Pengaruh Pola Rotasi Tanaman terhadap Perbaikan Sifat Tanah Sawah Irigasi. *Jurnal sumberdaya lahan*, 12(1), 49-57.
- Sys, C., E. Van Ranst, and J. Debaveye. (1993) Land Evaluation. Part III: Crop Requirements. Agric. Pub. No. 7, General Administration for Development Cooperation, Brussels.
- USDA Natural Resources Conservation Service. 2015. Soil Quality Indicators: Biological Indicator and Soil Functions. Page 1-4.
- USDA Natural Resources Conservation Service. 2015. Soil Quality Indicators: Chemical Indicators and Soil Functions. Page 1-3.
- Van Ranst, E., S.R. Utami, J. Vanderdeelen & J. Shamshuddin. 2004. Surface reactivity of Andisols on volcano ash along the Sunda arc crossing Java Island, Indonesia. *Geoderma*. 123: 193-203.
- Wa Embe. 2011. Karakteristik Tanah Berbahan Induk Abu Vulkan di Tiga Ketinggian Pada Lereng Selatan Gunung Merapi Kabupaten Sleman. Tesis. Fakultas Pertanian. Universitas Gadjah Mada.
- Wander, M.M., G.A. Bollero. 1999. Soil quality assessment of tillage impacts in Illi-nois. *Soil Sci. Soc. Am. J.* 63, 961–971.

- Wander, M. M., G.L. Walter, T.M. Nissen, G.A. Bollero, S.S. Andrews, & Cavanaugh-D.A. Grant. (2002). Soil quality: science and process. *Agronomy Journal*, 94(1), 23-32.
- Wiradisastra, US, B Tjahjono, K Gandasasmita, B Barus dan K Munibah. 1999. Geomorfologi dan Analisis Lanskap. Laboratorium Penginderaan Jauh dan Kartografi, Jurusan Tanah, Fakultas Pertanian, Institut Pertanian Bogor, Bogor.
- Wubie, M. A., & M. Assen. (2020). Effects of land cover changes and slope gradient on soil quality in the Gumara watershed, Lake Tana basin of North–West Ethiopia. *Modeling Earth Systems and Environment*, 6, 85-97.
- Yasin, S., & Y. Yulnafatmawita. (2018). Effects of slope position on soil physico-chemical characteristics under oil palm plantation in wet tropical area, West Sumatra Indonesia. *AGRIVITA, Journal of Agricultural Science*, 40(2), 328-337.
- Yohannes, H., T. Soromessa, & M. Argaw. (2015). Carbon stock analysis along slope and slope aspect gradient in Gedo Forest: implications for climate change mitigation. *Journal of Earth Science & Climatic Change*, 6(09), 6-11.
- Yu, P.J., Q. Li, H.T. Jia, G.D. Li, W. Zheng, X.J. Shen, B. Diabate, D.W. Zhou. 2014. Effect of cultivation on dynamics of organic and inorganic carbon stocks in Songnen plain. *Agron. J.* 106, 1574–1582.
- Yu, P., D. Han, S. Liu, X. Wen, Y. Huang, and H. Jia. 2018. Soil quality assessment under different land uses in an alpine grassland. *Catena* 171: 280-287. <https://doi.org/10.1016/j.catena.2018.07.021>
- Yuliana H., D.S. Saribun, dan Z. Adin. 2015. Hubungan antara Kemiringan dan Posisis Lereng dengan Tekstur Tanah, Permeabilitas dan Erodibilitas Tanah pada Lahan Tegalan di Desa Gunungsari, Kecamatan Cikatomas, Kabupaten Tasikmalaya. *Jurnal Agrikultura* 2015, 26 (1): 15-22.
- Yuliani, N. 2017. Kajian Reaktivitas Mineral Amorf dari Andisol Gunung Merapi dan Gunung Slamet. Tesis. Fakultas Pertanian. Universitas Gadjah Mada.
- Yuliani, N., E. Hanudin, & B.H. Purwanto. 2017. Chemical characteristics and morphology of amorphous materials derived from different parent materials from Central Java, Indonesia. *Int. J. Soil Sci.*
- Zakaria, R. Dede. 2022. Analisis Kualitas Tanah Pada Lahan Dengan Vegetasi Yang Berbeda Di Lereng Gunungapi Merapi, Kapanewon Cangkringan, Kabupaten Sleman, Daerah Istimewa Yogyakarta. Skripsi. Fakultas Pertanian. Universitas Pembangunan Nasional "Veteran" Yogyakarta.