



DAFTAR PUSTAKA

- Alley, R.B., Marotzke, J., Nordhaus, W.D., Overpeck, J. T., Peteet, D.M., Pielke, R.A., Wallace, J.M. 2003. *Abrupt Climate Change. Science* 299 (5615): 2005-2010.
- Arsyad, S. 2010. *Konservasi Tanah dan Air*. Edisi Kedua, IINT Press. Bogor
- Banuwa, I.S. 2013. *Erosi*. Kencana Prenada Media Group. Jakarta.
- Bender, S.F., Wagg, C., Van der Heijden, M.G.A.. 2016. An Underground Revolution: Biodiversity and Soil Ecological Engineering for Agricultural Sustainability. *Trends Ecol. Evol.* 31: 440–452.
- Blaikie, P. and Brookfield, H.C. (eds.). 1987. *Land Degradation and Society*. London: Methuen.
- Braswell, B.H., Schimel, D.S., Linder, E., Moore, B. 1997. The Response of Global Terrestrial Ecosystems to Interannual Temperature Variability. *Science* 278: 870-872.
- Brata B. 2009. *Cacing Tanah*. Bogor (ID): IPB Pr.
- Brinkman, A.R. and A.J Smyth. 1973. *Land Evaluation for Rural Purposes*. ILRI Publ. No. 17 Wageningen.
- Browne, P.R.L. 1995. *Hydrothermal Alteration*. Lecture Notes. Geothermal Institute, The University of Auckland.
- Budianto, Y. 2016. *Keterdapatan Sensitive Clay Pada Lokasi Longsor Lahan di Sub DAS Bompon, Kabupaten Magelang*. Skripsi. Universitas Gadjah Mada, Yogyakarta, Indonesia.
- Burghardt, W., Morel, J.L., and Zhang, G.L. 2015. Development of The Soil Research about Urban, Industrial, Traffic, Mining and Military Areas (SUITMA). *Soil Science and Plant Nutrition*, 61 (1) : 3-21.
- Capra, G. F., Vacca, S., Cabula, E., Grilli, E., & Buondonno, A. 2012. Human-Altered and Human-Transported Soils in an Italian Industrial District. *Soil Science Society of America Journal*, 76(5), 1828.
- Certini, G., Scalenghe, R. 2011. Anthropogenic Soils are The Golden Spikes for The Anthropocene. *Holocene* 21: 1269–1274.
- Charzynski, P., Hulisz, P., Piotrowska, A., Kamiński, D., Plak, A. 2017. *Sealing Effects on Properties of Urban Soils*. In Urban Soils, Ed. Lal R, Stewart BA, pp. 155–174 Advances in Science. CRC Press, Taylor and Francis Group, New York, NY.
- Dody, F. 2008. *Sebaran Jenis Tanah berdasarkan Formasi Geologi di Daerah Aliran Sungai (DAS) Waduk Sempor Kabupaten Kebumen*. Tesis. Fakultas Pertanian. Universitas Gadjah Mada ; Yogyakarta.



- Dudal, R., F.O. Nachtergaele, and M.F. Purnell. 2002. The Human Factor of Soil Formation. In: *Proceedings World Congress of Soil Science, 17th, Symposium 18, Vol. II, paper 93, Bangkok, Thailand. p. 1-7.*
- Dudal, R. 2004. The Sixth Factor of Soil Formation. *International Conference on Soil Classification*. 3-5 August. Petrozavodsk.
- Dudal, R. 2005. The sixth factor of soil formation. *Eurasian Soil Science, ISSN 1064-2293, 38:S60–S65.*
- Eswaran, H., Reich, P.F., Padmanabhan, E. 2012. *World Soil Resources : Opprtunities and Challenges*. In: Lal, R., Stewart, B.A. (Eds.), *World Soil Resources and Food Security*. CRC Press. Boca Raton, FL, pp. 29-52.
- FAO (Food and Agriculture Organization). 1976. *A Framework for Land Evaluation*. FAO Soil Bulletin 52. Soil Resources Management and Conservation Service Land and Water Development Division.
- FAO (Food Agriculture Organization). 1976. *Land Degradation*. FAO Soil Bulletin 13.
- Galbraith, J.M., C. Ditzler, and J.M. Scheyer. 2007. Anthropogenic Soils: Human Altered and Transported Soils. In: *ICOMANTH Rep. 2, Ver. 2.0 (CD)*. USDA-NRCS, Lincoln, NE.
- Galbraith, J.M., Shaw, R.K. 2017. *Human-Altered and Human-Transported Soils*. In *Soil Survey Manual*, 4th, Ed. Ditzler C, Scheffe K, Monger HC, pp. 525–554. USDA Handbook 18. USDA-Natural Resources Conservation Service. Government Printing Office, Washington, D.C Available at. https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/soils/ref/?cid=nrcs142p2_054262 (Diakses pada tanggal 13 November 2018)
- Galbraith, J. M. 2018. Human-Altered and Human-Transported (HAHT) Soils in The U.S. Soil Classification System. *Soil Science and Plant Nutrition, 64 (2): 190–199.*
- Ghosh, S., (2013). Soil Erosion and Gully Geomorphology Importance and Research Need., *Asian Journal of Spatial Science Vol. 1 No. 1 Geographical Society Dibrugarh University*
- Hardjowigeno, S. 2003. *Klasifikasi Tanah dan Pedogenesis*. Jakarta : Akademika Pressindo. Jakarta.
- Hardjowigeno, S. 2007. *Ilmu Tanah*. Akademika Pressindo. Jakarta.
- Hardjowigeno, S. 2016. *Klasifikasi Tanah dan Pedogenesis*. Akademia Pressindo. Bekasi.
- Haron, M. and Dragovich,D. 2010. Climatic Influences on Dryland Salinity in Central West New South Wales, Australia. *Journal of Arid Environments 74: 1216-1224.*



- Henderson-Sellers, A., Durbidge, T.B., Pitman, A.J., Dickinson, R.E., Kennedy, P.J., McGuffie, K. 1993. Tropical Deforestation: Modelling Local to Regional-Scale Climate Change. *J Geophys Res* 98: 7289-7315
- Hernandez L, Levin M, Calus J, et al. 2017. *Urban soil mapping through the United States national cooperative soil survey*. In Urban Soils, Ed Lal R, Stewart BA, pp. 15–60. Advances in Science. CRC Press, Taylor and Francis Group, New York, NY. ISBN 9781498770095
- Hooke, R.LeB., Martin-Duque, J.F., and Pedraza, J. 2012. Land Transformation by Humans. *GSA Today Vol 22 (12): 4-10*.
- Houghton, R.A. 1995. Landuse Change and The Carbon-Cycle. *Global Change Biol 1: 275-287*.
- ICOMANTH. 2003. *Circular Letter, Vol. 4* “. International Committee for Anthropogenic Soils.
https://www.nrcs.usda.gov/wps/PA_NRCSCconsumption/download?cid=stelprdb1265442&ext=pdf (Diakses pada tanggal 12 November 2018).
- ICOMANTH. 2005. *Circular Letter, Vol. 6*. International Committee for Anthropogenic Soils.
https://www.nrcs.usda.gov/wps/PA_NRCSCconsumption/download?cid=stelprdb1265444&ext=pdf (Di akses pada tanggal 12 November 2018).
- ICOMANTH. 2011. *Circular Letter, Vol. 7* “*Summary Proposed Revisions to Soil Taxonomy*”. International Committee for Anthropogenic Soils.
https://www.nrcs.usda.gov/wps/PA_NRCSCconsumption/download?cid=stelprdb1265445&ext=pdf (Diakses pada tanggal 12 November 2018).
- Ibrahim, H. 2014. *Keanekaragaman Mesofauana Tanah Daerah Pertanian Apel Desa Tulungrejo Kecamatan Bumiaji Kota Batu Sebagai Bioindikator Kesuburan Tanah Dan Bahan Ajar Biologi SMA*. Skripsi. Pendidikan Biologi UMM. Tidak diterbitkan. Malang
- IUSS Working Group WRB (World Reference Base for Soil Resources). 2014. *International Soil Classification System for Naming Soils and Creating Legends for Soil Maps*. World Soil Resources Reports No. 106, FAO, Rome.
- JRC (Joint Research Center). 2008. *Urbanisation*. European Commission Press Release 17 December, 2008.
https://ec.europa.eu/jrc/sites/jrcsh/files/jrc_081217_newsrelease_travel_time_s_en.pdf (Diakses pada tanggal 2 Desember 2018)
- Khairuman, Amri K. 2009. *Mengeruk Untung Dari Beternak Cacing*. Jakarta (ID): AgroMedia Jakarta.
- Lal, R. 2004. Soil Carbon Sequestration Impacts on Global Climate Change and Food Security. *Science* 304: 1623-1627.



- LI Jialin., YANG Lei., PU Ruiliang., LIU Yongchao. 2017. A Review on Anthropogenic Geomorphology [J]. *Journal of Geographical Sciences*, 27 (1): 109- 128.
- Malik, R.F., Sartohadi. J. 2017. Pemetaan Geomorfologi Detail menggunakan Tekbik Step-Wise Grid di Aliran Sungai (DAS) Bompon Kabupaten Magelang, Jawa Tengah. *Jurnal Bumi Indonesia*. Volume 6 nomor 2.
- Manabe, S., & Wetherald, R.T. 1986. Reduction in Summer Soil Wetness Induced by an Increase in Atmospheric Carbon Dioxide. *Science*, 232 (4750): 626–628.
- Matsa, M. and Muringaniza K. 2011. An Assessment of The Landuse and Land Cover Changes in Shurugwi District, Midlands Province, Zimbabwe. *Ethiopian J Environ Stud Manag* 4 (2): <http://dx.doi.org/10.4314/ejesm.v4i2.10> (Diakses pada tanggal 13 Desember 2018)
- Mazzucato, V., & Niemeijer, D. 2000. *Rethinking Soil and Water Conservation in a Changing Society: a Case Study in Eastern Burkina Faso*. (Tropical Resource Management Papers; No. 32). Wageningen: Tropical Resource Management.
- McGuffie, K., Henderson-Sellers, A., Zhang, H., Durbidge, T. B., and Pitman, A. J. 1995. Global Climate Sensitivity to Tropical Deforestation. *Global Planet. Change* 10, 97–128.
- Milanova, E.V. and Telnova N.O. 2007. Landuse and Land Cover Change Study In The Transboundary Zone Of Russia - Norway. *Man in the Landscape Across Frontiers - Igu-LUCC Central Europe Conference 2007 Proceedings*. www.cz/geografie/vzgr/monografie/man_in_the_landscape/12milanova.pdf (Diakses pada tanggal 13 Desember 2018)
- Montanarella, L. 2007. *Trends in Land Degradation in Europe. an Overview In: Sivakumar M.V.K., Ndiang'ui N. (eds) Climate and Land Degradation*. Environmental Science and Engineering (Environmental Science). Springer, Berlin, Heidelberg
- Montanarella, L., and Alva, I. L. (2015). Putting Soils on The Agenda: The Three Rio Conventions and The Post-2015 Development Agenda. *Current Opinion in Environmental Sustainability*, 15, 41–48.
- Mu Guichun., Tan Shukui, 1990. A Primary Research on Artificial Geomorphology. *Journal of Southwestern Normal University (Natural Science Edition)*, 15(4): 551-557. (in Chinese)
- Notohadiprawiro, T. 1998. *Tanah dan Lingkungan*. Jakarta : Direktorat Jenderal Pendidikan Tinggi. Departemen Pendidikan dan Kebudayaan.



- Nurrohman, E., Rahardjanto, A., Wahyuni, S. 2015. Keanekaragaman Makrofauna Tanah di Kawasan Perkebunan Cokelat (*Theobroma cacao* L.) Sebagai Bioindikator Kesuburan Tanah dan Sumber Belajar Biologi. *Jurnal Pendidikan Biologi Indonesia. Volume 1 Nomor 2 Tahun 2015: 197-208.*
- Nusroh, Z. 2007. Studi Diversitas Makrofauna Tanah Di Bawah Beberapa Tanaman Palawija yang Berbeda di Lahan Kering pada Saat Musim Penghujan. *Jurnal Penelitian UNS: Surakarta.*
- Osman, K.T. 2014. *Soil Degradation, Conservation and Remediation.* Springer, Dordrecht.
- Pairunan, Anna K., J. L. Nanere, Arifin, Solo S. R. Samosir, Romualdus Tangkaisari, J. R. Lalopua, Bachrul Ibrahim, Hariadji Asmadi, 1999. *Dasar-Dasar Ilmu Tanah.* Badan Kerjasama Perguruan Tinggi Negeri Indonesia Timur, Makassar
- Pirajno, F. 2009. *Hydrothermal Processes and Mineral Systems.* Springer, Sydney, NSW, Australia.
- Pratiwi, E.S. 2017. *Integrasi Metode Geofisika dan Geokimia untuk Investigasi Material dan Mekanisme Longsor Tipe Rotational Slide di Sub DAS Bompon, Kabupaten Magelang.* Tesis. Universitas Gadjah Mada, Yogyakarta, Indonesia.
- Rayes, M. L. 2000. *Karakteristik, Genesis dan Klasifikasi Tanah Sawah Berasal dari Bahan Volkan Merapi.* Program Pascasarjana, Institut Pertanian Bogor.
- Rayes, L. M. 2007. *Metode Inventaris Sumber Daya Lahan.* ANDI, Yogyakarta
- Reshotkin, O. 2003. Properties of Soils in Urban Areas (Exemplified by the Soils of Pushchino). *SUITMA 2003 Abstracts. Nancy, France: 191–195.*
- Richter, D.D., and D.H. Yaalon. 2012. The Changing Model of Soil Revisited. *Soil Science Society of America Journal 76 (3): 766-778.*
- Richter, D.deB., Bacon, A.R., Brecheisen, Z., and Mobley, M.L. 2015. Soil in The Anthropocene. *IOP Conference Series: Earth and Environmental Science.* <http://iopscience.iop.org/article/10.1088/17551315/25/1/012010/meta> (Diakses pada tanggal 5 Desember 2018)
- Rousseau L, Fonte SJ, Tellez O, Hoek RVD, Lavelle P. 2013. Soil Macrofauna as Indicator of Soil Quality and Landuse Impact in Smallholder Agroecosystems of Western Nicaragua. *Ecological indicators. 27(2013):71-82.*
- Sala OE, Chapin FS, Armesto JJ, Berlow E, Bloomfield J, Dirzo R, Huber-Sanwald E, Huenneke LF, Jackson RB, Kinzig A, Leemans R, Lodge DM, Mooney HA, Oesterheld M, Poff NL, Sykes MT, Walker BH, Walker M dan Wall DH. 2000. Global Biodiversity Scenarios for The Year 2100. *Science 287: 1770- 1774.*



- Sartohadi, J. 2007. *Geomorfologi Tanah dan Aplikasinya Untuk Pembangunan Nasional*. Makalah Orasi Ilmiah, disampaikan dalam rangka Dies Natalis ke-44 Fakultas Geografi UGM Yogyakarta.
- Sartohadi, J., Harlin Jennie Pulungan, N. A., Nurudin, M., & Wahyudi, W. 2018. The Ecological Perspective of Landslides at Soils with High Clay Content in the Middle Bogowonto Watershed, Central Java, Indonesia. *Applied and Environmental Soil Science*, 2018, 1–9.
- Scanlon, B.R., Reedy, R.C., Tonestrom, D.A.S., Prudicz, D.E., Dennehy, K.F. 2005. Impact of Landuse and Land Cover Change on Groundwater Recharge and Quality in The Southwestern US. *Global Change Biology* 11: 1577-1593.
- Shangguan, W., Gong, P., Liang, L., Dai, Y., & Zhang, K. 2014. Soil Diversity as Affected by Land Use in China: Consequences for Soil Protection. *The Scientific World Journal Volume 2014: 1–12*.
- Sivakumar, M.V.K., and Stefanski, R. 2007. *Climate and Land Degradation — an Overview In: Sivakumar M.V.K., Ndiang’ui N. (eds) Climate and Land Degradation*. Environmental Science and Engineering (Environmental Science). Springer, Berlin, Heidelberg.
- Soares, M.R., R.F. A. Luis, P. V. Torrado, M. Cooper. 2005. Mineralogy Ion Exchange Properties of The Partide Size Fractions of Some Brazilian Soils in Tropical Humid Areas. *Goderma* 125 : 355-367.
- Soerianegara, I. 1977. *Pengelolaan Sumber Daya Alam*. Sekolah Pascasarjana IINT. Bogor.
- Soil Survey Staff. 1993. *Soil Survey Manual: Soil Conservation Service*. U.S. Department of Agriculture Handbook 18.
- Soil Survey Staff. 2014. *Keys to Soil Taxonomy, 12th edition*. USDA Natural Resources Conservation Service.
- Soil Survey Staff. 2017a. *Soil Survey Manual Chapter 4th In USDA Handbook 18*. USDA-Natural Resources Conservation Service. Kenneth Scheffe and Shawn McVey, Government Printing Office, Washington, D.C.
- Soil Survey Staff. 2017b. *Soil Survey Manual*. C. Ditzler, K. Scheffe, and H.C. Monger (eds.). USDA Handbook 18. Government Printing Office, Washington, D.C.
- Subardja, D. 2000. Perkembangan Metode Survei Tanah dan Evaluasi Lahan di Indonesia. *Prosiding Kongres Nasional VII HITI. Buku I : 123-134*.
- Sud, Y. C., Walker, G. K., Kim, J.-H., Liston, G. E., Sellers, P. J., and Lau, K.M. 1996. Biogeo-physical Effects of a Tropical Deforestation Scenario: A GCM Simulation Study. *Journal Climate* 9; 3225–3247.
https://www.researchgate.net/publication/226458648_The_Compounding_Effects_of_Tropical_Deforestation_and_Greenhouse_Warming_on_Climate (Diakses pada tanggal 14 Desember 2018)



- Suin, N.M. 2012. *Ekologi Hewan Tanah*. Bumi Aksara ; Bandung.
- Surni., Baja, S., Arsyad, U. 2015. Dinamika Perubahan Penggunaan Lahan, Penutupan Lahan Terhadap Hilangnya Biodiversitas di DAS Tallo, Sulawesi Selatan. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia. Volume 1, Nomor 5, Agustus 2015. Halaman: 1050-1055*
- Sutanto, R. 2005. *Dasar – Dasar Ilmu Tanah Konsep dan Kenyataan*. Kanisius: Yogyakarta
- Szabó J, Dávid L (eds.). 2006. *Antropogén Geomorfológia (Anthropogenic Geomorphology)*. University notes. Kossuth Egyetemi Kiadó, Debrecen (the Hungarian version of this book)
- Szabó J., Dávid L., Lóczy D. 2010. *Anthropogenic Geomorphology: A Guide to Man-made Landforms*. Dordrecht - Heidelberg - London - New York: Springer.
- Tsermegas I. 1985. Anthropogenic Transformation of The Relief of The Aegean Islands. *Miscellanea Geographica*, 19(2): 40-49.
- UNCCD. 2015. Climate Change and Land Degradation: Bridging Knowledge and Stakeholders. *UNCCD 3rd Scientific Conference 9-12 March 2015, Cancún, Mexico*.
- U.S. Department of Agriculture, Natural Resources Conservation Service. 1997. *Soil Survey of South Latourette Park, Staten Island, New York City*. New York.
- U.S. Department of Agriculture, Natural Resources Conservation Service. 1998. *Soil Quality Resource Concerns: Soil Biodiversity*. Soil Quality Information Sheet.
https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_050947.pdf (Diakses pada tanggal 14 Desember 2018)
- U.S. Department of Agriculture, Natural Resources Conservation Service. 2005. New York City reconnaissance soil survey. Available at <https://www.soilandwater.nyc/soil.html> (Diakses pada tanggal 4 Desember 2018)
- Vink, APA. 1975. *Landuse In advancing Agriculture*. Springer Verlag. New York Helderberg
- Worosuprojo, Suratman. 2007. *Pengelolaan Sumberdaya Lahan Berbasis Spasial Dalam Pembangunan Berkelanjutan Di Indonesia*. Makalah Pidato Pengukuhan Guru Besar UGM Yogyakarta.
- Ximenes, D.J.L. 2009. *Pengaruh Pengolahan Tanah terhadap Karakteristik Tanah di Lereng Selatan Gunung Merapi Kabupaten Sleman Yogyakarta*. Tesis. Fakultas Pertanian. Universitas Gadjah Mada; Yogyakarta.



- Yadav, P.K., Kapoor, M., Sarma, K. 2012. Landuse Land Cover Mapping, Change Detection and Conflict Analysis of Nagzira-Navegaon Corridor, Central India Using Geospatial Technology. *International J Remote Sensing GIS 1 (2): 90-98.*
- Zhang Daquan, 1990. A Primary Research of Urban Geomorphologic Process. *Journal of Southwestern Normal University (Natural Science Edition), 15(4): 619-625. (in Chinese)*