

DAFTAR PUSTAKA

- Ahmad Dar, J., & Somaiah, S. (2015). *Altitudinal variation of soil organic carbon stocks in temperate forests of Kashmir Himalayas*, India. Environmental monitoring and assessment, 187, 1-15.
- Arsyad, S. (2010). *Konservasi Tanah dan Air*. IPB Press, Bogor.
- Anderson J.M., dan J.S.I Ingram. 1993. *Tropical Soil Biology and Fertility*; A Handbook of Methods, Second edition. C.A.B International. UK
- Ashton, L. A., Griffiths, H. M., Parr, C. L., Evans, T. A., & Didham, R. K. (2019). Termites mitigate the effects of drought in tropical rainforest. *Science*, 363(6423), 174–177.
- Bardgett, R. D., & Van Der Putten, W. H. (2014). *Belowground biodiversity and ecosystem functioning*. *Nature*, 515(7528), 505-511.
- Barrios, E. (2007). *Soil biota, ecosystem services and land productivity*. *Ecological economics*, 64(2), 269-285.
- Basuki, B., *et al.* (2018). Karakteristik Sifat Kimia Tanah Masam pada Lapisan Tanah Atas dan Bawah. *Jurnal Tanah Tropika*, 19(1), 1–14. <https://agripeatbdp.wordpress.com/wp-content/uploads/2018/09/1-volume-19-no-1-maret-2018-basuki-dkk-1-14>.
- Brady, N. C., & Weil, R. R. (2016). *The Nature and Properties of Soils* (15th ed.). Pearson.
- Brady, N. C., dan R. R. Weil. (2016). *The Nature and Properties of Soils (Fifteenth Edition)*. Pearson Education Publisher. Maryland
- 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.
- Brevik, E. C., Homburg, J. A., Miller, B. A., Fenton, T. E., Doolittle, J. A., & Indorante, S. J. (2016). Selected highlights in American soil science history from the 1980s to the mid-2010s. *Catena*, 146, 128-146.
- Brown, R. W. (2021). *Metabolomic and volatilomic profiling for the assessment of soil carbon cycling and biological quality*. Bangor University (United Kingdom).
- Brussaard, C. P. D., Noordeloos, A. A. M., Witte, H., Collenteur, M. C. J., Schulz, K., Ludwig, A., & Riebesell, U. (2013). *Arctic microbial community dynamics influenced by elevated CO₂ levels*. *Biogeosciences*, 10(2), 719-731.

- Budhisurya, E., Anggono, R. C. W., & Simanjuntak, B. H. (2013). *Analisis kesuburan tanah dengan indikator mikroorganisme tanah pada berbagai sistem penggunaan lahan di Plateau Dieng*. Agric, 25(1), 64-72.
- Ch, R., Singh, A.K., Pandey, P., Saxena, P.N. and Mudiam, M.K.R. (2015) *Identifying the Metabolic Perturbations in Earthworm Induced by Cypermethrin Using Gas Chromatography-Mass Spectrometry Based Metabolomics*. Scientific Reports, 5, Article No. 15674
- Chamorro-Martínez, Y., Torregroza-Espinosa, A. C., Pallares, M. I. M., Osorio, D. P., Paternina, A. C., & Echeverría-González, A. (2022). *Soil macrofauna, mesofauna and microfauna and their relationship with soil quality in agricultural areas in northern Colombia: ecological implications*. Revista Brasileira de Ciência do Solo, 46, e0210132.
- Djuuna Irnanda A.F. 2013. *Population and Distribution of Some MesoFauna in the Inactive Tailing Deposition Areas of Freeport Indonesia, Timika-Papua*. J Trop Soils, Vol.18 No.3 2013: 225-229.
- Edwards, C. A., & Bohlen, P. J. (2014). *Biology and ecology of earthworms* (Vol. 3). Springer Science & Business Media.
- Fageria, N. K., Baligar, V. C., & Jones, C. A. (2010). *Growth and Mineral Nutrition of Field Crops*. CRC Press.
- George, PB, Keith, AM, Creer, S., Barrett, GL, Lebron, I., Emmett, BA, ... & Jones, DL (2017). Evaluasi komunitas mesofauna sebagai indikator kualitas tanah dalam program pemantauan tingkat nasional. *Soil Biology and Biochemistry* , 115 , 537-546.
- Hairiah, K., Dewi, S., Agus, F., Velarde, S., Ekadinata, A., Rahayu, S., & van Noordwijk, M. (2020). *Agroforestry and soil fertility management in tropical soils*. World Agroforestry Centre (ICRAF).
- Hairiah, K., Ekadinata, A., Sari, R. R., & Rahayu, S. (2011). *Pengukuran cadangan karbon dari tingkat lahan ke bentang lahan* (Edisi ke 2). World Agroforestry Centre (ICRAF), Bogor, Indonesia.
- Handayani, W., & Winara, A. (2020). *Keanekaragaman makrofauna tanah pada beberapa penggunaan lahan gambut*. Jurnal Agroforestri Indonesia, 3(2), 77-88.
- Haynes, R. J. (1982). Effects of liming on phosphate availability in acid soils. *Plant and Soil*, 68, 289–308.
- Jenkins, D., & McConkey, B. G. (2006). *Soil Fertility and Fertilizers* (7th ed.). Prentice Hall.
- Jones, C.G., Lawton, J.H. and Shachak M. (2014) *Organisms as Ecosystem Engineers*. Oikos, 69, 373-386.

- Lavelle, P. and Spain, A.V. (2015) *Soil Ecology*. Kluwer Scientific, Amsterdam
- 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.
- Mansyur, A., Swardana, A., & Nafi'ah, H. H. (2022). *Keberadaan dan Peran Mesofauna Tanah di Perkebunan Jeruk Siam (Citrus nobilis) di Kecamatan Bayongbong, Garut. JAGROS: Jurnal Agroteknologi dan Sains (Journal of Agrotechnology Science)*, 6(2), 86-91.
- Marschner, P. 2012. *Mineral Nutrition of Higher Plants*. Third Edition. Academic Press
- Meehan, M. L., Barreto, C., Turnbull, M. S., Bradley, R. L., Bellenger, J. P., Darnajoux, R., & Lindo, Z. (2020). *Response of soil fauna to simulated global change factors depends on ambient climate conditions*. *Pedobiologia*, 83, 150672.
- Murtinah, V., Edwin, M., & Bane, O. (2017). *Dampak kebakaran hutan terhadap sifat fisik dan kimia tanah di Taman Nasional Kutai, Kalimantan Timur*. *Jurnal Pertanian Terpadu*, 5(2), 128-139.
- NCSU. (2018). *Soil Acidity and Liming: Basic Information for Farmers and Gardeners*. North Carolina State University. <https://content.ces.ncsu.edu/soil-acidity-and-liming-basic-information-for-farmers-and-gardeners>
- Obi, L. U., Olisaka, F. N., Ene, C., & Aniakor, U. (2024). *Exploring Biotechnological Strategies in the Monitoring of Soil Quality. In The Marginal Soils of Africa: Rethinking Uses, Management and Reclamation* (pp. 173-204). Cham: Springer Nature Switzerland.
- Oksana, O., Irfan, M., & Huda, U. (2012). *Pengaruh alih fungsi lahan hutan menjadi perkebunan kelapa sawit terhadap sifat kimia tanah*. *Jurnal Agroteknologi*, 3(1), 29-34.
- Paripurna, R. R., Hidayat, B., & Utomo, W. H. (2017). *Respon Pemberian Kapur terhadap Kemasaman Tanah dan Serapan Hara pada Tanah Masam*. *Jurnal Lahan Suboptimal*, 6(1), 52–61.
- Pollierer, M. M., Dyckmans, J., Scheu, S., & Haubert, D. (2012). Carbon flux through fungi and bacteria into the forest soil animal food web as indicated by compound-specific ^{13}C fatty acid analysis. *Functional Ecology*, 26(4), 978–990
- Pudjiharta, A. (2008). *Pengaruh pengelolaan hutan pada hidrologi*. *Info Hutan*, 5(2), 141-150.
- Purnobasuki, H. (2012). *Pemanfaatan hutan mangrove sebagai penyimpan karbon*. *Buletin PSL Universitas Surabaya*, 28(3-5), 1-6.
- Qiror, N. D. (2023). *Keanekaragaman Arthropoda Tanah Di Lahan Agroforestri Kopi (Coffea Sp.) Desa Pandansari Kabupaten Malang*.

- Ritonga, A. G., & Rauf, A. (2016). *Karakteristik Biologi Tanah pada Berbagai Penggunaan Lahan di Sub DAS Petani Kabupaten Deli Serdang Sumatera Utara: The Characteristics of Soil Biology in Various Land Use in Petani Watershed Deli Serdang Regency Sumatera Utara*. Jurnal Online Agroekoteknologi, 4(3), 1983-1988.
- Rizqiyah W. 2013. *Keanekaragaman makrofauna tanah pada berbagai tipe tegakan di Hutan Pendidikan Gunung Walat, Sukabumi, Jawa Barat* [Skripsi]. Bogor (ID): Institut Pertanian Bogor.
- Ruchyansyah, Y. (2018). *Pengaruh Pola Budidaya Pada Hutan Kemasyarakatan Di Areal Kelola KPH Viii Batutegi Terhadap Kesuburan Tanah Dan Pendapatan Petani* (Doctoral dissertation, Universitas Lampung).
- Ruiz Nuria, P. Lavelle dan J. Jimenez. 2008. *Soil Macrofauna Field Manual*. Food And Agriculture Organization Of The United Nations (FAO). Roma
- Rusdiana O, Lubis RS. 2012. *Pendugaan korelasi antara karakteristik tanah terhadap cadangan karbon (carbon stock) pada hutan sekunder*. Jurnal Silvikultur Tropika. vol 3 (1): 14–21.
- Samson, F. B., Knopf, F. L., Jones, C. G., Lawton, J. H., & Shachak, M. (1996). *Organisms as ecosystem engineers*. Ecosystem management: Selected readings, 130-147.
- Sanchez, P. A. (2019). *Properties and Management of Soils in the Tropics*. Cambridge University Press.
- Siringoringo, H. H. (2014). *Peranan penting pengelolaan penyerapan karbon dalam tanah*. Jurnal analisis kebijakan kehutanan, 29285.
- Smith, M. R., (2018). *Effects of Climate Change on Soil Fauna*. Ecological Applications, 28(4), 879-889.
- Soil Science Society of America. (2016). *Soil Science: Concepts and Applications*. Wiley-Blackwell.
- Suin, N. M. 2003. *Ekologi Hewan Tanah*. Bumi Aksara. Jakarta
- Susilawati, E. (2022). *Peran Biochar dalam Memperbaiki Sifat Kimia Tanah Masam*. Prosiding Seminar Nasional Pertanian Berkelanjutan. Universitas Borneo Tarakan.
- Swift, M. J. (1979). *Decomposition in terrestrial ecosystems*. Studies in Ecology/University of California Press.
- Tim Sintesis Kebijakan. 2008. *Pemanfaatan Biota Tanah Untuk Keberlanjutan Produktivitas Pertanian Lahan Kering Masam*. Pengembangan Inovasi Pertanian. 1(2): 157-163.

- Wang, Y., Chen, Y., Chen, H. Y. H., & Yuan, Z. (2021). Ant mounds alter soil organic carbon and nutrient stocks in temperate forests. *Forest Ecology and Management*, 482, 118881.
- Wang, Z., Liu, Y., Zhao, L., Zhang, W., & Liu, L. (2019). *Change of soil microbial community under long-term fertilization in a reclaimed sandy agricultural ecosystem*. *PeerJ*, 7, e6497.
- Wasis, B. (2003). *Dampak kebakaran hutan dan lahan terhadap kerusakan tanah*. *Jurnal Manajemen Hutan Tropika*, 9(2), 79-86.
- Weil, R. R., & Brady, N. C. (2016). *The nature and properties of soils*, 15th edn., edited by: Fox, D.
- Widiyanto, A. (2010). *Hutan sebagai pengatur tata air dan pencegah erosi tanah: pengelolaan dan tantangannya*. Balai Penelitian Kehutanan Ciamis.
- Yulnafatmawita, Arifin, Z., & Gusnidar (2014). Pengaruh bahan organik terhadap ketersediaan N pada tanah ultisol. *Jurnal Tanah dan Iklim*, 38(2), 77–84.
- Yuprilianto Hieronymus. 2010. *Biologi Tanah dan Strategi Pengelolaannya*. Graha Ilmu. Yogyakarta
- Yuwono, S. B., Andrianto, F., & Bintoro, A. (2015). *Produksi dan laju dekomposisi serasah mangrove (Rhizophora sp.) di desa Durian dan desa Batu Menyan Kecamatan Padang Cermin Kabupaten Pesawaran*. *Jurnal Sylva Lestari*, 3(1), 9-20.
- Zhao, Z., He, J. S., Wang, X., Zhang, Z., & Xu, Z. (2019). Soil biodiversity and ecosystem multifunctionality in alpine grasslands. *Nature Communications*, 10, 3769.