DAFTAR PUSTAKA

Acton, D.F. & Padbury, G. A. 1993. A conceptual framework for soil quality assessment and monitoring. A Program to Assess and Monitor Soil Quality in Canada: Soil Quality Evaluation Summary (interim). *Centre for Land and Biological Resources Research*, No. 93-49, Agriculture Canada, Ottawa, Canada.

Arshad, M. A., Lowery, B., & Grossman, B. 1996. Physical Tests for Monitoring Soil Quality. *In: Doran JW, Jones AJ, editors. Methods for assessing soil quality. Madison, WI*. p 123-41.

Begum, F., R.M. Bajracharya, S. Sharma & B.K. Sitaula. 2011. Assessment of soil quality using microarthropod communities under different land system: a case study in the Mid-Hills of Central Nepal. *Journal of Life Sciences*. 5:66-73.

Beja, Henderikus D., *et al*. 2015. Sistem Tebas Bakar dan Pengaruhnya terhadap Komponen Fisik Kimia Tanah Serta Vegetasi pada Ladang dan Lahan Bera (Studi Kasus di Desa Pruda Kecamatan Waiblama Kabupaten Sikka Provinsi Nusa Tenggara Timur). *Jurnal Keteknikan Pertanian*. 3(2).

Bellini, B.C., Weiner, W.M.; Winck, B.R. 2023. Systematics, Ecology and Taxonomy of Collembola: Introduction To The Special Issue. *Journal Diversity* 2023, 15, 221.

Cardoso, E. J. Vasconcellos, R. L. Bini, D. Miyauchi, M. Dos Santos, C. A. Alves, P. R. De Paula, A. M. Nakatani, A. S. Pereira, J. D. M. Nogueira, M. A. 2013. Soil Health: Looking For Suitable Indicators. What Should Be Considered To Assess The Effects of Use and Management on Soil Health?. *Scientia Agricola*. 70(4) : 274-289.

Chairunnisa, F., Irwanto, R., dan Rion Apriyadi, R. 2022. Kelimpahan Dan Keanekaragaman Collembola Pada Tingkat Kesuburan Tanah Di Lahan Percontohan Reklamasi Tambang Timah Desa Bukit Layang, Bangka. *Jurnal Ilmu Tanah dan Lingkungan*. 24 (2): 103-109.

Das, Barja. M. 1995. Mekanika Tanah (Prinsip-Prinsip Rekayasa Geoteknis) jilid I. Erlangga: Jakarta.

De Boer T., M. Holmstrup, N. V. Straalen and D. Roelofs. 2010. The Effect of Soil pH and Temperature on Folsomia Candida Transcriptional Regulation. *J Insect Physiol* 56: 350–355.

Esmaeilzadeh, J., & Ahangar, A. G. 2014. Influence of soil organic matter content on soil physical, chemical and biological properties. *International Journal of Plant, Animal and Environmental Sciences*. 4(4): 244–252.

Firmansyah, M. A., dan Subowo, G. 2012. Dampak Kebakaran Lahan terhadap Kesuburan Fisik, Kimia, dan Biologi Tanah Serta Alternatif Penanggulangan dan Pemanfaatannya. *Jurnal Sumberdaya Lahan*. 6(2): 89-100.

Galli, L. Lanza, E. Rellini, I. 2021. First Application of The QBS-Ar Index in South America For The Assessment of The Biological Quality of Soils in Chile. *Soil Science Annual* 72(2).

Gardi, C., Menta, C., and Alan Leoni, A., 2008. Evaluation Of The Environmental Impact Of Agricultural Management Practices Using Soil Microarthropods. *Fresenius Environmental Bulletin*. 17(8b): 1165-1169.

Gruss, I., Twardowski, J., Matkowski, K., Jurga, M. 2022. Impact of Collembola on The Winter Wheat Growth in Soil Infected By Soil-Borne Pathogenic Fungi. *Agronomy* 12, 1599.

Hardjowigeno, S. 1992. *Ilmu Tanah*. Jakarta: Mediyatama Sarana Perkasa.

Hidayat, M., Rafiqah, M.N., Mertavia, Y. 2018. Stratifikasi Dan Model Arsitektur Pohon Di Kawasan Hutan Primer Pegunungan Deudap Pulo Aceh Kabupaten Aceh Besar. *Prosiding Seminar Nasional Biotik*. 6(1): 216-236.

Hillel, D. 1982. *Advances in irrigation: an overview, Volume 1*. Academic Press: New York.

Huby, I.M., Wanma, J.F., Peday, M., H. 2020. Pola Ordinansi Komunitas Pohon

Di Hutan Sekunder Distrik Manokwari Utara Kabupaten Manokwari. *Jurnal Kehutanan Papuasia*. 6(1): 21-36

Islam, Md & Hossain, Mosharrof & Yasmin, Muhsina & Hossain, M. 2018. Impact of climatic factors and soil quality on the abundance and population density of Collembola in the Rajshahi University Campus, Bangladesh. *Journal Of Entomology And Zoology Studies*. 6(1): 1119-1125.

Jatiningsih, H., Atmanto, T., Darma, S. 2018. Keanekaragaman Collembola (Ekorpegas) Gua Groda, Ponjong, Gunungkidul, Daerah Istimewa Yogyakarta. *Prodi Pendidikan Biologi*. 7(6): 407-419.

Jumar. 2000. *Entomologi Pertanian*. PT. Renika Cipta: Jakarta.

Kaneda, S. Kaneko N. 2011. Influence of Collembola on Nitrogen Mineralization Varies With Soil Moisture Content. *Soil Science And Plant Nutrition* 57(1): 40-49.

Kusuma, T., Hadi, M., Hidayat, J. 2022. Struktur Komunitas Kupu – Kupu (Lepidoptera: Rhopalocera) di KHDTK Wanadipa Undip Kabupaten Semarang, Jawa Tengah. *Jurnal Bioma,* Vol 24(1): 90 – 95.

Li, Tong & Cui, Lizhen & Liu, Lilan & Chen, Yang & Liu, Hongdou & Song, Xiufang & Xu, Zhihong. (2023). Advances in the study of global forest wildfires. *Journal of Soils and Sediments*. 23. 10.1007/s11368-023-03533-8.

Lowery, B., W.J. Hickey, M.A. Arshad, & Lal, R. 1996. Soil water parameters and soil quality. In: Doran J.W., A.J. Jones, editors. *Methods for assessing soil quality*. Madison, WI. p 143-55.

Machado, Julia D. S. Filho, Luis C. J. O. Santos, Julio C. Paulino, Alexander T. Baretta, D. 2019. Morphological Diversity of Collembolas (Hexapoda: Collembola) As Soil Quality Bioindicators in Land Use Systems. *Biota Neotropica* 19(1).

Mantoni, Cristina & Di Musciano, Michele & Fattorini, Simone. 2020. Use of

microarthropods to evaluate the impact of fire on soil biological quality. *Journal of Environmental Management*. 266. 10.1016/j.jenvman.2020.110624.

Menta, C., Federica D. C., Stefania P. 2018. Microarthropods Biodiversity in Natural, Seminatural and Cultivated Soils—QBS-ar Approach. *Journal Applied Soil Ecology*. 123: 740-74.

Mulyani, A.S. 2021. Antisipasi Terjadinya Pemanasan Global Dengan Deteksi Dini Suhu Permukaan Air Menggunakan Data Satelit, *Jurnal Centech*. 2(1): 22-29.

Mustaqim, D & Fuady, Z. 2015. Pengaruh Olah Tanah Terhadap Sifat Fisika Tanah Pada Lahan Kering Berpasir. *Lentera: Jurnal Ilmiah Sains dan Teknologi*. 5(15): 1-7

Parisi, Vittorio & Menta, Cristina. 2008. Microarthropods of the soil: Convergence phenomena and evaluation of soil quality using QBS-ar and QBS-C. *Fresenius Environmental Bulletin*. 17. 1170-1174.

Purba, T., *et al*. 2021, *Tanah dan Nutrisi Tanaman*. Yayasan Kita Menulis: Medan.

Rachmadiyanto, A. N., Irvan F. W., Dipta S. R., Mahat M. 2020. Evaluasi Kesuburan Tanah Pada Berbagai Tutupan Lahan Di Kebun Raya Bogor. *Buletin Kebun Raya*. 23(2): 114–125.

Riley, J. 2001. The indicator explosion: local needs and international challenges. *Agriculture, Ecosystems, and Environment*. 87: 119-120.

Rusumaningtyas, R., Chofyan, I. 2013. Pengelolaan hutan dalam mengatasi alih fungsi lahan hutan di wilayah kabupaten Subang. *Jurnal Perencanaan Wilayah dan Kota*. 13(2): 1-11.

Sagala, Purnama S., *et al*. 2015. Dampak Kebakaran Hutan Terhadap Sifat Fisika Dan Sifat Kimia Tanah Di Kabupaten Samosir. *Peronema Forestry Science Journal*. 4(3): 288-297.

Sakiah, S., Firmansyah, A., & Arfianti, D. 2020. Sifat Biologi Tanah Pada Lahan

Aplikasi dan Tanpa Aplikasi Tandan Kosong Kelapa Sawit di Adolina PT. Perkebunan Nusantara IV. *Jurnal Penelitian Pertanian Terapan*, *20*(1), 11-17.

Salim, A.G. & Budiadi. 2014. Produksi Dan Kandungan Hara Serasah Pada Hutan Rakyat Nglanggeran, Gunung Kidul, D.I. Yogyakarta. *Jurnal Penelitian Hutan Tanaman*. 11(2): 77-88.

Santos, M., O. Filho L., Pompeo P., Ortiz D., Mafra A., K. Filho O., Baretta D. 2018 Morphological Diversity of Springtails In Land Use Systems. *Rev Bras Cienc Solo.* 42:E0170277

Santoso Y. 2024. Keanekaragaman Morfotipe Collembola Serta Hubungannya Dengan Kualitas Tanah Di Kawasan Wanadipa Undip Penggaron, Kabupaten Semarang. *Skripsi*. Jur. Biologi Fakultas MIPA Univ. Diponegoro, Semarang.

Sathishkumar, V.E., Jaehyuk Cho, J., Subramanian, M., Naren, O.S. 2023. Forest fire and smoke detection using deep learning-based learning without forgetting. *Fire Ecology*. 19:9

Sheikh, A.H., Ganaie, G.A., Thomas, M., Bhandari, R. dan Rather, Y.A. 2018. Ant pitfall trap sampling: An overview. *Journal of Entomological Research*. Vol. 42 (3): 421-436.

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*. 3(1): 17-23.

Sihombing, E. P., Abdul R., Rahmawaty, Erwin N. A. 2017. Evaluasi Sifat Fisika Tanah Typic Hapludults Pada Empat Generasi Tanam Kelapa Sawit Pt. Socfin Indonesia Di Kebun Aek Loba Kabupaten Asahan. *Jurnal Pertanian Tropik*. Vol.4, No.2. Agustus 2017. (11): 106- 113.

Sileshi, Gudeta & Mafongoya, Paramu. 2006. The Short-term Impact of Forest Fire on Soil Invertebrates in the Miombo. *Biodiversity and Conservation*. 15.

3153-3160. 10.1007/s10531-005-5411-z.

Suhardjono, Y. R., Deharveng, L. & Bedos, A. 2012. *Biologi Ekologi - Klasifikasi Collembola (Ekor Pegas)*. Vegamedia: Bogor

Thorp, J.H., Covich, A.P. 2001. *Ecology and Classification of North American Freshwater Invertebrates*. Academic press : US

Trianto, M., Marisa, F. 2020. Studi Kelimpahan dan Pola Sebaran Collembola pada Tiga-Tipe Penggunaan Lahan di Kabupaten Banjar, Kalimantan Selatan. *BIO-EDU: Jurnal Pendidikan Biologi*. 5(3): 107-117.

Ummi, R.Z. 2007. Studi Keanekaragaman Serangga Tanah Di UPT Balai Konservasi Tumbuhan Kebun Raya Purwodadi-LIPI. *Skripsi*. Malang: Universitas Islam Negeri Malang.

Wang, R., Zhang, H., Sun, L., Qi, G., Chen, S., & Zhao, X. 2017. Microbial community composition is related to soil biological and chemical properties and bacterial wilt outbreak. *Scientific Reports*, 7(1), 1–10.

Warino, J., Widyastuti, R., Suhardjono, Y., Nugroho, B. 2017. Keanekaragaman dan kelimpahan Collembola pada perkebunan kelapa sawit di Kecamatan Bajubang, Jambi. *Jurnal Entomologi Indonesia*. 14(2): 51–57.

Wohlenberg, E. V., Reichert, J. M., Reinert, D. J., & Blume, E. 2004. Dinâmica da agregação de um solo franco-arenoso em cinco sistemas de culturas em rotação e em sucessão. *Revista Brasileira de Ciencia Do Solo*, 28: 891–900.

Xie, L., S. Slotsbo, M. Holmstrup. 2023. Tolerance of High Temperature and Associated Effects on Reproduction in Euedaphic Collembola. *Journal of Thermal Biology*, Volume 113 2023, 103439.

Yadav, R. S. Kerketta, D. Kumar, D. Painkra, G. P. 2018. Basic of the Biodiversity Study of Collembola (Hexapoda: Collembola): A Need for Beginners Dalam Misra, P. Bajpai, O. (Eds.). *Research Trends in Forestry Sciences* Vol. 1. New Delhi.

Yayuk, R. S., D. Louis, B. Anne. 2012. *Collembola (Ekorpegas)*. Vegamedia:

Bogor.

Yin, R., Kardol, P., Thakur, M. P., Gruss, I., Wu, G. L., Eisenhauer, N., & Schädler, M. 2020. Soil functional biodiversity and biological quality under threat: intensive land use outweighs climate change. *Soil Biol Biochem*. 147.

Yule, C.M., Sen, Y.H. 2004. *Freshwater Invertebrates of the Malaysian Region*. Academy of Sciences Malaysia: Malaysia.

Yusuf, A., Hapsoh, Siregar, S.H., Nurrochmat, D.R. 2019. Analisis Kebakaran Hutan Dan Lahan Di Provinsi Riau. *Dinamika Lingkungan Indonesia*. 6(2): 67-84.

Zahra, S. L. A. 2023. Keanekaragaman Morfologi Collembola Sebagai Bioindikator Kualitas Tanah Berdasarkan Soil Biological Quality Inndex (QBS) Di Lahan Olahan Pertanian Berbeda. Skripsi. Jur. Biologi Fakultas MIPA Univ. Diponegoro, Semarang.

Zhao, J., Chen, S., Hu, R., & Li, Y. 2017. Aggregate stability and size distribution of red soils under different land uses integrally regulated by soil organic matter, and iron and aluminum oxides. *Soil and Tillage Research*. 167:73–79