

REFERENCE

- Adimihardja, A., L.I. Amin, F. Agus, dan Djaenudin. (2000). *Sumberdaya Lahan Indonesia dan Pengelolaannya*. Pusat Penelitian Tanah dan Agroklimat. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian. Hlm 19.
- Akhtar, M., & Mahmood, I. (1997). Impact of organic and inorganic management and plant-based products on plant-parasitic and microbivorous nematode communities. *Nematologia Mediterranea*, 25(1), 145–149.
- Beesigamukama, D., Mochoge, B., Korir, N. K., Fiaboe, K. K. M., Nakimbugwe, D., Khamis, F. M., & Dubois, T. (2020). Black Soldier Fly frass enhances maize performance and nutrient use efficiency and can be used as a fertilizer substitute. *Agronomy Journal of Agricultural Sciences*, 8(3), 112–121.
- Bongers, T. (1990). The maturity index: An ecological measure of environmental disturbance based on nematode species composition. *Oecologia*, 83(1), 14–19.
- Bongers, T., & Bongers, M. (1998). Functional diversity of nematodes. *Applied Soil Ecology*, 10(3), 239–251.
- Bongers, T., & Ferris, H. (1999). Nematode community structure as a bioindicator in environmental monitoring. *Trends in Ecology & Evolution*, 14(6), 224–228.
- Bridge, J., & Starr, J. L. (2007). *Plant nematodes of agricultural importance: a color handbook*. Elsevier.
- Coyne, D. L. (2007). *Practical plant nematology: a field and laboratory guide*. Iita.
- Dai, T., Chen, Z., Guo, Y., & Ye, J. (2023). Rapid detection of the pine wood nematode *Bursaphelenchus xylophilus* using recombinase polymerase

amplification combined with CRISPR/Cas12a. *Crop Protection*, 170, 106259.

Darmawan, A., Arminudin, A. T., & Rahmadani, E. (2024). Identifikasi Nematoda di Perkebunan Kelapa Sawit PTPN V Sei Pagar. *Jurnal Agroteknologi*, 15(1), 37-46.

Ekschmitt, K., Bakonyi, G., Bongers, T., et al. (2001). Nematode community structure as indicator of soil functioning in European grassland soils. *European Journal of Soil Biology*, 37(4), 263–268.

FAO. (2021). The State of the World's Land and Water Resources for Food and Agriculture. *FAO and Earthscan*.

Ferris, H., Bongers, T., & De Goede, R. G. M. (2001). A framework for soil food web diagnostics: Extension of the nematode faunal analysis concept. *Applied Soil Ecology*, 18(1), 13–29.

Forge, T. A., Hogue, E. J., Neilsen, G., & Neilsen, D. (2005). Organic and inorganic nutrient amendments differentially affect soil food web properties and processes in an apple orchard. *Soil Biology and Biochemistry*, 37(4), 615–625.

Garrity, D. P., Akinnifesi, F. K., Ajayi, O. C., Weldesemayat, S. G., Mowo, J. G., Kalinganire, A., ... & Bayala, J. (2010). Evergreen Agriculture: a robust approach to sustainable food security in Africa. *Food security*, 2, 197-214.

Hardjowigeno, S. (1987). Ilmu Tanah: *Mediyatama Sarana Perkasa*.

Hasanah, S., Swibawa, I. G., Solikhin. (2016). Populasi Nematoda *Radopholus* dan *Pratylenchus* Pada Tanaman Kopi Robusta Berbeda Umur di Tanggamus, Lampung. *Jurnal Agrotek Tropika*, 4 (3), 217-221.

Ikoyi, I., Egeter, B., Chaves, C., et al. (2020). Responses of soil microbiota and nematodes to application of organic and inorganic fertilizers in grassland columns. *Biology and Fertility of Soils*, 56(5), 647–662.

- IPCC. (2014). *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Cambridge University Press.*
- Kementerian Pertanian. (2014). *Standar Operasional Prosedur (SOP) Budidaya Cabai Merah*. Direktorat Jenderal Hortikultura, Kementerian Pertanian Republik Indonesia.
- Kusumawati, P. E., Dewi, Y. S., & Sunaryanto, R. (2020). Pemanfaatan larva lalat black soldier fly (*Hermetia illucens*) untuk pembuatan pupuk kompos padat dan pupuk kompos cair. *Jurnal TechLINK*, 4(1).
- Lal, R. (2001). Soil degradation by erosion. *Land Degradation & Development*, 12(6), 519-539.
- Lal, R. (2009). Soil degradation as a reason for inadequate human nutrition. *Food Security*, 1(1), 45–57.
- Mahardika, A. K., Sudipa, I. M., & Sutama, I. B. (2022). Pengaruh aplikasi pupuk kandang babi dan mulsa terhadap pertumbuhan dan hasil tanaman kangkung (*Ipomoea reptans*) pada Inceptisol. *Jurnal Agroteknologi Agriwar*, 6(1), 13–19.
- Mansyur, N. I., Pudjiwati, E. H., & Murti Laksono, A. (2021). *Pupuk dan pemupukan*. Syiah Kuala University Press.
- Molden, D. (2013). *Water for food water for life: A comprehensive assessment of water management in agriculture*. Routledge.
- Neher, D. A. (1999). Soil community composition and ecosystem processes: comparing nematode and microbial responses. *Plant and Soil*, 212(1), 271–278.
- Neher, D. A. (2001). Role of nematodes in soil health and their use as indicators. *Journal of Nematology*, 33(4), 161–168.

- Neher, D. A. (2010). Ecology of plant and free-living nematodes in natural and agricultural soil. *Annual review of phytopathology*, 48(1), 371-394.
- Noling, J., & Becker, J. (1994). The challenge of research and extension to define and implement alternatives to methyl bromide. *Journal of nematology*, 26(4S), 573.
- Notohadiprawiro, T. (1998). Tanah dan lingkungan. *Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan dan Kebudayaan*. Jakarta, 237.
- Oka, Y. (2010). Mechanisms of nematode suppression by organic soil amendments—A review. *Applied Soil Ecology*, 44(2), 101–115.
- Perry, R. N., & Moens, M. (2013). Plant Nematology. *CAB International*.
- Perry, R. N., Moens, M., & Starr, J. L. (Eds.). (2009). Root-knot nematodes. *Cabi*.
- Pretty, J., Noble, A., Bossio, D., Dixon, J., Hine, R. E., Penning de Vries, F. W. T., & Morison, J. I. L. (2006). Resource-conserving agriculture increases yields in developing countries. *Environmental Science & Technology*, 40(4), 1114-1119.
- Putri, R. N., Pradita, E. L., Andari, S., & Kurniawati, W. (2024). Pengaruh Berbagai Jenis Tanah Dengan Berbagai Faktor-Faktor Pembentuk Yang Berbeda Terhadap Lingkungan. Gabbah: *Jurnal Pertanian Dan Peternakan*, 1(2), 41-48 .
- Rahmawati, D., Mardiharini, M., & Wicaksono, D. P. (2020). Kompos dan pupuk organik cair untuk pertumbuhan dan hasil cabai rawit (*Capsicum frutescens*) di tanah gambut. *Jurnal Agroforestri Indonesia*, 2(1), 25–32.
- Renčo, M., & Kováčik, P. (2013). Response of plant parasitic and free living soil nematodes to composted animal manure soil amendments. *Helminthologia*, 50(1), 3–10.

- Rockström, J., Karlberg, L., Wani, S. P., Barron, J., Hatibu, N., Oweis, T., & Qiang, Z. (2010). Managing water in rainfed agriculture—The need for a paradigm shift. *Agricultural Water Management*, 97(4), 543-550.
- Salam, A. K. (2020). Ilmu Tanah. *Akademika Pressindo*.
- Sánchez-Moreno, S., Ferris, H., & Young-Mathews, A. (2011). Arthropods in organic and conventional farming systems. *Applied Soil Ecology*, 51, 82–88.
- Shi, G., Luan, L., Zhu, G., et al. (2023). Interaction between nematodes and bacteria enhances soil carbon sequestration under organic material amendments. *Frontiers in Microbiology*, 14, 1155088.
- Sochová, I., Hofman, J., & Holoubek, I. (2007). Effects of seven organic pollutants on soil nematode *Caenorhabditis elegans*. *Environment International*, 33(6), 798-804.
- Swibawa, I. G., Yasin, N., Aeny, T. N., & Dewi, S. (2019). Nematoda Parasit Tumbuhan Dominan pada Bibit dan Tanaman Kopi Robusta (*C. canephora* var robusta) Muda di Kabupaten Tanggamus, Lampung. *Jurnal Agrotek Tropika*, 7(1), 219-230.
- Yan, N., Marschner, P., Cao, W., Zuo, C., & Qin, W. (2015). Influence of salinity and water content on soil microorganisms. *International soil and water conservation Research*, 3(4), 316-323.
- Yeates, G. W. (2003). Nematodes as soil indicators: Functional and biodiversity aspects. *Biology and Fertility of Soils*, 37(4), 199–210.
- Yeates, G. W., & Bongers, T. (1999). Nematode diversity in agroecosystems. *Agriculture, Ecosystems & Environment*, 74(1–3), 113–135.
- Yeates, G. W., & Coleman, D. C. (1982). Role of nematodes in decomposition. In D.W. Freckman (Ed.), *Nematodes in Soil Ecosystems*, 55–80. *University of Texas Press*.

Yu, Y., Zhang, Q., Kang, J., et al. (2024). Effects of organic fertilizers on plant growth and the rhizosphere microbiome. *Applied and Environmental Microbiology*, 90(2), e01719-23.

Zhang, X., Jiang, Y., Liang, L., et al. (2009). Response of soil nematode communities to long-term application of inorganic fertilizers in the black soil of Northeast China. *Frontiers of Biology in China*, 4(1), 111–116.

Zhao, J., & Neher, D. A. (2013). Soil nematode genera that predict soil ecosystem functions. *Pedobiologia*, 56(2), 79–91.