

DAFTAR PUSTAKA

- Abawi, G. ., & Widmer, T. . (2000). Impact of soil health management practices on soilborne pathogens, nematodes and root diseases of vegetable crops. *Applied Soil Ecology*, 15(1), 37–47. [https://doi.org/10.1016/S0929-1393\(00\)00070-6](https://doi.org/10.1016/S0929-1393(00)00070-6).
- Abdelrazzag, A. (2002). Effect of chicken manure, sheep manure and inorganic fertilizer on yield and nutrients uptake by onion. *Pakistan Journal of Biological Sciences*, 5(3), 266–268.
- Adegbite, A. A., & Adesiyun, S. O. (2006). Root Extracts of Plants to Control Root-Knot Nematode on Edible Soybean. *Journal of Vegetable Science*, 12(2), 5–12. https://doi.org/10.1300/J484v12n02_02
- Agyarko, K., & Asante, J. S. (2005). Nematode dynamics in a soil amended with neem leaves and poultry manure. *Asian Journal of Plant Sciences*. <https://doi.org/10.3923/ajps.2005.426.428>
- Aisha, A. H., Rizk, F. A., Shaheen, A. M., & Abdel-Mouty, M. M. (2007). Onion plant growth, bulbs yield and its physical and chemical properties as affected by organic and natural fertilization. *Research Journal of Agriculture and Biological Sciences*, 3(5), 380–388.
- Akhtar, M., & Malik, A. (2000). Roles of organic soil amendments and soil organisms in the biological control of plant-parasitic nematodes: a review. *Bioresource Technology*, 74(1), 35–47. [https://doi.org/10.1016/S0960-8524\(99\)00154-6](https://doi.org/10.1016/S0960-8524(99)00154-6)
- Al-Karaghoul, A. A., & Al-Kayssi, A. W. (2001). Influence of soil moisture content on soil solarization efficiency. *Renewable Energy*, 24(1), 131–144.
- Anderson, R. C., & Bird, A. F. (1972). The Structure of Nematodes. *The Journal of Parasitology*, 58(1), 87. <https://doi.org/10.2307/3278246>
- Asgele, K., Woldetsadik, K., & Gedamu, F. (2018). Effect of inorganic NP fertilizers and vermicompost on growth, seed yield and yield components of onion (*Allium cepa* L.) at Maitsebri, Northern Ethiopia. *Journal of Horticulture and Forestry*, 10(6), 89–96.
- Atungwu, J. J., & Kehinde, L. O. (2008). Evaluation of organic based fertiliser as an alternative to Furadan in the management of *Meloidogyne incognita* on soybeans in Nigeria. *International Journal of Nematology*, 18(1), 61–65.
- BAYRAM, F., & ASLAN, E. (2015). Distribution of nematodes on onion and their relationship with soil physicochemical characteristics in Karaman province, Turkey. *Turkish Journal of Entomology*, 39(2), 251–259.
- Benkovic-Lacic, T., Brmez, M., Ivezic, M., Raspudic, E., Pribetić, D., Loncaric, Z., & Grubisic, D. (2013). Influence of organic and inorganic fertilizers on nematode communities in cornfield. *Bulgarian Journal of Agricultural Science*, 19(2), 235–240.
- BITTMAN, S., FORGE, T., & KOWALENKO, C. (2005). Responses of the bacterial and fungal biomass in a grassland soil to multi-year applications of dairy manure slurry and fertilizer. *Soil Biology and Biochemistry*, 37(4), 613–623. <https://doi.org/10.1016/j.soilbio.2004.07.038>
- Boyhan, G. E., Hicks, R. J., Torrance, R. L., Riner, C. M., & Hill, C. R. (2010). Evaluation of poultry litter and organic fertilizer rate and source for production of organic short-day onions. *HortTechnology*, 20(2), 304–307.
- Briar, S. S. (2007). *Nematodes as bioindicators of soil food web health in agroecosystems: a critical analysis*. The Ohio State University.
- Bulluck Iii, L. R., Barker, K. R., & Ristaino, J. B. (2002). Influences of organic and synthetic soil fertility amendments on nematode trophic groups and community dynamics under tomatoes. *Applied Soil Ecology*, 21(3), 233–250.
- Butler, D. M., Kokalis-Burelle, N., Muramoto, J., Shennan, C., McCollum, T. G., & Rosskopf, E. N. (2012). Impact of anaerobic soil disinfestation combined with

- soil solarization on plant-parasitic nematodes and introduced inoculum of soilborne plant pathogens in raised-bed vegetable production. *Crop Protection*, 39, 33–40. <https://doi.org/10.1016/j.cropro.2012.03.019>
- Candido, V., D'Addabbo, T., Basile, M., Castronuovo, D., & Miccolis, V. (2008). Greenhouse soil solarization: effect on weeds, nematodes and yield of tomato and melon. *Agronomy for Sustainable Development*, 28(2), 221–230. <https://doi.org/10.1051/agro:2007053>
- Chunthaburee, S., Dongsansuk, A., Sanitchon, J., Pattanagul, W., & Theerakulpisut, P. (2016). Physiological and biochemical parameters for evaluation and clustering of rice cultivars differing in salt tolerance at seedling stage. *Saudi Journal of Biological Sciences*, 23(4), 467–477.
- Cimen, I., Pirinc, V., Doran, I., & Turgay, B. (2010). Effect of soil solarization and arbuscular mycorrhizal fungus (*Glomus intraradices*) on yield and blossom-end rot of tomato. *International Journal of Agriculture and Biology*, 12(4), 551–555.
- Damarmoyo, K. S. 2015. Sifat Fisika dan Kelimpahan Fauna Tanah di Lahan Sawah Bersistem Konvensional dan Organik. Fakultas Pertanian. UGM.Skripsi.
- D'Addabbo, T., Sasanelli, N., Greco, N., Stea, V., & Brandonisio, A. (2005). Effect of Water, Soil Temperatures, and Exposure Times on the Survival of the Sugar Beet Cyst Nematode, *Heterodera Schachtii*. *Phytopathology*, 95(4), 339–344. <https://doi.org/10.1094/PHYTO-95-0339>
- Di Mola, I., Ventorino, V., Cozzolino, E., Ottaiano, L., Romano, I., Duri, L. G., Pepe, O., & Mori, M. (2021). Biodegradable mulching vs traditional polyethylene film for sustainable solarization: Chemical properties and microbial community response to soil management. *Applied Soil Ecology*, 163, 103921.
- El-Nemr, M. A. (2006). Effect of mulch types on soil environmental conditions and their effect on the growth and yield of cucumber plants. *Journal of Applied Sciences Research*, 2(2), 67–73.
- Fahrurrozi. 2009. Fakta Ilmiah Dibalik Penggunaan Mulsa Plastik Hitam Perak dalam Produksi Tanaman Sayuran. Orasi Ilmiah pada Dies Natalis & Wisuda Sarjana I, STIPER Rejang Lebong.
- Ferris, H., & Matute, M. M. (2003). Structural and functional succession in the nematode fauna of a soil food web. *Applied Soil Ecology*, 23(2), 93–110.
- Fischer, P., & Führer, E. (1990). Effect of soil acidity on the entomophilic nematode *Steinernema kraussei* Steiner. *Biology and Fertility of Soils*, 9, 174–177.
- Forge, T. A., Bittman, S., & Kowalenko, C. G. (2005). Responses of grassland soil nematodes and protozoa to multi-year and single-year applications of dairy manure slurry and fertilizer. *Soil Biology and Biochemistry*, 37(10), 1751–1762. <https://doi.org/10.1016/j.soilbio.2004.11.013>
- Funahashi, F., Myrold, D. D., & Parke, J. L. (2022). The effects of soil solarization and application of a *Trichoderma* biocontrol agent on soil fungal and prokaryotic communities. *Soil Science Society of America Journal*, 86(2), 369–383.
- Gamliel, A., & Stapleton, J. J. (1993). Characterization of antifungal volatile compounds evolved from solarized soil amended with cabbage residues. *Phytopathology*, 83(9), 899–905.
- Gebereegziher, W. G., Alemu, A. K., Zebib, K., & Tarekegn, Y. (2023). Application of soil solarization and manure, individually and in combination, control broomrape infestation and improve tomato yield. *International Journal of Vegetable Science*, 29(3), 205–214. <https://doi.org/10.1080/19315260.2023.2171553>
- Gilardi, G., Demarchi, S., Gullino, M. L., & Garibaldi, A. (2014). Effect of Simulated Soil Solarization and Organic Amendments on *Fusarium Wilt* of Rocket and Basil Under Controlled Conditions. *Journal of Phytopathology*, 162(9), 557–566.
- Handayanto, E. dan K. Hairiah. 2007. Biologi Tanah : Landasan Pengelolaan Tanah Sehat. Pustaka Adipura, Malang.

- Hamoooh, B. T. (2014). Soil solarization duration and animal manure effects on soil nutrients, fungi, weed and yield of eggplant (*Solanum melongena* L.) and cabbage (*Brassica oleracea*). *Int. J. Eng. Res. Technol.*, 3(1), 199–207.
- Hartmann, M., Frey, B., Mayer, J., Mäder, P., & Widmer, F. (2015). Distinct soil microbial diversity under long-term organic and conventional farming. *The ISME Journal*, 9(5), 1177–1194. <https://doi.org/10.1038/ismej.2014.210>
- Hussaini, S. S., Nagesh, M., Rajeshwari, R., & Fathima, M. S. (2004). Effect of pH on survival, pathogenicity and progeny production of some indigenous isolates of entomopathogenic nematodes. *Indian Journal of Nematology*, 34(2), 169–173.
- Ibarra-Jiménez, L., Lira-Saldivar, H., Cárdenas-Flores, A., & Valdez-Aguilar, L. A. (2012). Soil solarization enhances growth and yield in dry beans. *Acta Agriculturae Scandinavica Section B: Soil and Plant Science*, 62(6), 541–546. <https://doi.org/10.1080/09064710.2012.664165>
- Ilieva-Makulec, K., Bjarnadottir, B., & Sigurdsson, B. D. (2014). Nematode diversity, abundance and community structure 50 years after the formation of the volcanic island of Surtsey. *Biogeosciences Discussions*, 11(10), 14239–14267.
- Ingham, E. 1997. The Soil Foodweb : It's Importance in Ecosystem Health.
- Kanga, F. N., Waeyenberge, L., Hauser, S., & Moens, M. (2012). Distribution of entomopathogenic nematodes in Southern Cameroon. *Journal of Invertebrate Pathology*, 109(1), 41–51.
- Kautz, G., Zimmer, M., Zach, P., Kulfan, J., & Topp, W. (2001). Suppression of soil microorganisms by emissions of a magnesite plant in the Slovak Republic. *Water, Air, and Soil Pollution*, 125, 121–132.
- Kaya, H. K., & Patricia Stock, S. (1997). Techniques in insect nematology. In *Manual of Techniques in Insect Pathology* (pp. 281–324). Elsevier. <https://doi.org/10.1016/B978-012432555-5/50016-6>
- Khan, Z., & Kim, Y. H. (2005). The predatory nematode, *Mononchoides fortidens* (Nematoda: Diplogasterida), suppresses the root-knot nematode, *Meloidogyne arenaria*, in potted field soil. *Biological Control*, 35(1), 78–82. <https://doi.org/10.1016/j.biocontrol.2005.05.015>
- Khan, Z., & Kim, Y. H. (2007). A review on the role of predatory soil nematodes in the biological control of plant parasitic nematodes. *Applied Soil Ecology*, 35(2), 370–379. <https://doi.org/10.1016/j.apsoil.2006.07.007>
- Kimenju, J. W., Karanja, N. K., & Nyongesa, M. W. (2004). Diversity and abundance of nematodes in agroecosystems of Kenya. *Journal of Tropical Microbiology and Biotechnology*, 3(1), 24–34.
- Kokalis-Burelle, N., Roskopf, E. N., Butler, D. M., Fennimore, S. A., & Holzinger, J. (2017). Evaluation of Steam and Soil Solarization for Control in Florida Floriculture Crops. *Journal of Nematology*, 48(3), 138–192.
- Koppenhöfer, A. M., & Fuzy, E. M. (2006). Effect of soil type on infectivity and persistence of the entomopathogenic nematodes *Steinernema scarabaei*, *Steinernema glaseri*, *Heterorhabditis zealandica*, and *Heterorhabditis bacteriophora*. *Journal of Invertebrate Pathology*, 92(1), 11–22.
- Lavelle, P., & Spain, A. V. (2001). *Soil ecology.*, (Kluwer Academic Publishers: Dordrecht, The Netherlands).
- Li, Y., Feng, J., Chen, J., & Wu, J. (2007). Original vegetation type affects soil nematode communities. *Applied Soil Ecology*, 35(1), 68–78.
- Liu, T., Chen, X., Hu, F., Ran, W., Shen, Q., Li, H., & Whalen, J. K. (2016). Carbon-rich organic fertilizers to increase soil biodiversity: Evidence from a meta-analysis of nematode communities. *Agriculture, ecosystems & environment*, 232, 199–207.
- Majdi, N., Traunspurger, W., Fueser, H., Gansfort, B., Laffaille, P., & Maire, A. (2019). Effects of a broad range of experimental temperatures on the population growth

- and body-size of five species of free-living nematodes. *Journal of Thermal Biology*, 80, 21–36. <https://doi.org/10.1016/j.jtherbio.2018.12.010>
- Marquez, J., Severns, P. M., & Hajihassani, A. (2021). Influence of the environment and vegetable cropping systems on plant-parasitic nematode communities in southern Georgia. *Plant Disease*, 105(10), 3181–3191.
- Martínez-Escudero, C. M., Garrido, I., Flores, P., Hellín, P., Contreras-López, F., & Fenoll, J. (2022). Remediation of triazole, anilinopyrimidine, strobilurin and neonicotinoid pesticides in polluted soil using ozonation and solarization. *Journal of Environmental Management*, 310, 114781.
- Matute, M. M. (2013). Soil nematodes of Brassica rapa: influence of temperature and pH. *Advances in Natural Science*, 6(4), 20–26.
- Mayadewi, N. N. A. (2007). Pengaruh jenis pupuk kandang dan jarak tanam terhadap pertumbuhan gulma dan hasil jagung manis. *Agritrop*, 26(4), 153–159. <https://ojs.unud.ac.id/index.php/agritrop/article/view/3069>
- McSorley, R. (2009). Soil-inhabiting nematodes. *Featured Creatures*. Gainesville, FL, 1–3.
- Mekonnen, D. A., Mihretu, F. G., & Woldetsadik, K. (2017). Farmyard manure and intra-row spacing on yield and yield components of Adama Red onion (*Allium cepa* L.) cultivar under irrigation in Gewane District, Afar Region, Ethiopia. *Journal of Horticulture and Forestry*, 9(5), 40–48.
- Mennan, S., & Ecevit, O. (2002). *Farklı preparatların Ditylenchus dipsaci (Kühn, 1857)(Nematoda: Tylenchida: Anguinidae) soğan ırkına karşı etkinliği üzerinde araştırmalar*.
- Munteanu, R. (2017). The effects of changing temperature and precipitation on free-living soil Nematoda in Norway. *Student Thesis Series INES*.
- Nahar, M. S., Grewal, P. S., Miller, S. A., Stinner, D., Stinner, B. R., Kleinhenz, M. D., Wszelaki, A., & Doohan, D. (2006). Differential effects of raw and composted manure on nematode community, and its indicative value for soil microbial, physical and chemical properties. *Applied Soil Ecology*, 34(2–3), 140–151. <https://doi.org/10.1016/j.apsoil.2006.03.011>
- Nanjappa, H. V., Soumya, T. M., Ramachandrappa, B. K., & Prabhakara, B. N. (2008). Productivity and economics of transparent polyethylene for soil solarization in groundnut (*Arachis hypogaea*) bell pepper (*Capsicum annum*) sequence. *Indian Journal of Agronomy*, 53(2), 125–128.
- Neher, D. A. (2001). Role of nematodes in soil health and their use as indicators. *Journal of Nematology*, 33(4), 161–168. <http://www.ncbi.nlm.nih.gov/pubmed/19265875>
- Nevens, F., & Reheul, D. (2003). The application of vegetable, fruit and garden waste (VFG) compost in addition to cattle slurry in a silage maize monoculture: nitrogen availability and use. *European Journal of Agronomy*, 19(2), 189–203. [https://doi.org/10.1016/S1161-0301\(02\)00036-9](https://doi.org/10.1016/S1161-0301(02)00036-9)
- Nico, A. I., Jimenez-Diaz, R. M., & Castillo, P. (2003). Solarization of soil in piles for the control of *Meloidogyne incognita* in olive nurseries in southern Spain. *Plant Pathology*, 52(6), 770–778. <https://doi.org/10.1111/j.1365-3059.2003.00927.x>
- Nico, A. I., Jiménez-Díaz, R. M., & Castillo, P. (2004). Control of root-knot nematodes by composted agro-industrial wastes in potting mixtures. *Crop Protection*, 23(7), 581–587. <https://doi.org/10.1016/j.cropro.2003.11.005>
- Nicol, J. M., Turner, S. J., Coyne, D. L., Nijs, L. den, Hockland, S., & Maafi, Z. T. (2011). Current nematode threats to world agriculture. *Genomics and Molecular Genetics of Plant-Nematode Interactions*, 21–43.
- Nielsen, U. N., Ayres, E., Wall, D. H., Li, G., Bardgett, R. D., Wu, T., & Garey, J. R. (2014). Global-scale patterns of assemblage structure of soil nematodes in relation to climate and ecosystem properties. *Global Ecology and Biogeography*,

23(9), 968–978.

- Niu, X., Zhai, P., Zhang, W., & Gu, Y. (2019). Effects of Earthworms and Agricultural Plant Species on the Soil Nematode Community in a Microcosm Experiment. *Scientific Reports*, 9(1), 1–11. <https://doi.org/10.1038/s41598-019-48230-0>
- Oka, Y., Shapira, N., & Fine, P. (2007). Control of root-knot nematodes in organic farming systems by organic amendments and soil solarization. *Crop Protection*, 26(10), 1556–1565. <https://doi.org/10.1016/j.cropro.2007.01.003>
- Okada, H., & Harada, H. (2007). Effects of tillage and fertilizer on nematode communities in a Japanese soybean field. *Applied Soil Ecology*, 35(3), 582–598. <https://doi.org/10.1016/j.apsoil.2006.09.008>
- Orisajo, S. B., Afolami, S. O., Fademi, O., & Atungwu, J. J. (2008). Effects of poultry litter and carbofuran soil amendments on *Meloidogyne incognita* attacks on cacao. *Journal of Applied Biosciences*, 7, 214–221. <https://m.elewa.org/JABS/2008/7/2.pdf>
- Paiman, F. P., PraptoYudono, F. P., Sunarminto, B. H., & Indradewa, D. (2014). PENGARUH WARNA LEMBARAN PLASTIK TERHADAP SUHU TANAH PADA SOLARISASI TANAH. *AgroUPY Volume V, No. 2, Maret 2014*.
- Panggeso, J. (2010). Analisis kepadatan populasi nematoda parasitik pada tanaman tomat (*Lycopersicum esculentum* Mill.) asal Kabupaten Sigi Biromaru. *Agroland: Jurnal Ilmu-Ilmu Pertanian*, 17(3), 198–204.
- Petrovic, B., Kopta, T., & Pokluda, R. (2019). Effect of biofertilizers on yield and morphological parameters of onion cultivars. *Folia Horticulturae*, 31(1), 51–59.
- Pranata, A. S. (2010). *Meningkatkan hasil panen dengan pupuk organik*. AgroMedia.
- Putri, A. H., Indarti, S., & Harjaka, T. R. I. (2021). *Diversity and abundance of nematodes in soil treated with solarization treatments*. 22(7), 2612–2617. <https://doi.org/10.13057/biodiv/d220708>
- Renčo, M., D'Addabbo, T., Sasanelli, N., & Papajová, I. (2007). The effect of five composts of different origin on the survival and reproduction of *Globodera rostochiensis*. *Nematology*, 9(4), 537–543. <https://doi.org/10.1163/156854107781487260>
- Renčo, M., Sasanelli, N., D'Addabbo, T., & Papajová, I. (2010). Soil nematode community changes associated with compost amendments. *Nematology*, 12(5), 681–692. <https://doi.org/10.1163/138855409X12584413195491>
- Reynolds, W. D., Drury, C. F., Tan, C. S., Fox, C. A., & Yang, X. M. (2009). Use of indicators and pore volume-function characteristics to quantify soil physical quality. *Geoderma*, 152(3-4), 252–263.
- Rich, N., Bharti, A., & Kumar, S. (2018). Effect of bulking agents and cow dung as inoculant on vegetable waste compost quality. *Bioresource Technology*, 252, 83–90.
- Riegel, C., & Noe, J. P. (2000). Chicken Litter Soil Amendment Effects on Soilborne Microbes and *Meloidogyne incognita* on Cotton. *Plant Disease*, 84(12), 1275–1281. <https://doi.org/10.1094/PDIS.2000.84.12.1275>
- Robbins, R. T., & Barker, K. R. (1974). The effects of soil type, particle size, temperature, and moisture on reproduction of *Belonolaimus longicaudatus*. *Journal of nematology*, 6(1), 1.
- Roe, N., Ozores-Hampton, M., & Stansly, P. A. (2004). SOLARIZATION EFFECTS ON WEED POPULATIONS IN WARM CLIMATES. *Acta Horticulturae*, 638, 197–200. <https://doi.org/10.17660/ActaHortic.2004.638.25>
- Rohde, C., Moino Jr, A., da Silva, M. A., Carvalho, F. D., & Ferreira, C. S. (2010). Influence of soil temperature and moisture on the infectivity of entomopathogenic nematodes (Rhabditida: Heterorhabditidae, Steinernematidae) against larvae of *Ceratitis capitata* (Wiedemann)(Diptera: Tephritidae). *Neotropical Entomology*, 39, 608–611.

- Sagita, L., Siswanto, B., & Kurniatun, H. (2014). Studi keragaman dan kepadatan nematoda pada berbagai sistem penggunaan lahan di Sub DAS Konto. *Jurnal Tanah Dan Sumberdaya Lahan*, 1(1), 51–60.
- Salamandane, A., Muetanene, B. A., Ismael, F., & Vintuar, P. (2022). Application of Chicken Manure and Organic Compost to Produce Onion (*Allium cepa* L.) and Turnip (*Brassica rapa* L.) in Greenhouse. *European Journal of Agriculture and Food Sciences*, 4(5), 1–6. <https://doi.org/10.24018/ejfood.2022.4.5.557>
- Šalamún, P., Kucanová, E., Brázová, T., Miklisová, D., Renčo, M., & Hanzelová, V. (2014). Diversity and food web structure of nematode communities under high soil salinity and alkaline pH. *Ecotoxicology*, 23, 1367–1376.
- Saylendra, A. (2009). Pengendalian penyakit layu fusarium pisang (*Fusarium oxysporum* f. sp. *cubense*) dengan solarisasi tanah dan bakteri antagonis. *Jurnal Agroekoteknologi*, 1(1).
- Schmitt, P. P. 1985. Preliminary and Advanced Evaluation of Nematicides. in : Sasser, J. N. and C. C. Carter (Eds). *An Advanced Treatise on Meloidogyne*. Vol. I. Biology and Control North Carolina State Univ. Graphics. Raleigh, North Caroline. pp. 241-246.
- Scopa, A., & Dumontet, S. (2007). Soil Solarization: Effects on Soil Microbiological Parameters. *Journal of Plant Nutrition*, 30(4), 537–547. <https://doi.org/10.1080/01904160701209212>
- Shannon, C. E. (1949). The Mathematical Theory of Communication by Ce Shannon and W. *Bell System Techn.–1948.–J*, 27, 3–4.
- Shlevin, E., Saguy, I. S., Mahrer, Y., & Katan, J. (2003). Modeling the Survival of Two Soilborne Pathogens Under Dry Structural Solarization. *Phytopathology®*, 93(10), 1247–1257. <https://doi.org/10.1094/PHYTO.2003.93.10.1247>
- Shofiyani, A., & Budi, G. P. (2014). Efektifitas solarisasi tanah terhadap penekanan perkembangan jamur fusarium pada lahan tanaman pisang yang terinfeksi. *Proceeding Seminar Nasional LPPM, 2014*, 20.
- Showler, A. T. (2022). Effects of compost on onion quality, yield, and thrips infestation. *Environmental Systems Research*, 11(1). <https://doi.org/10.1186/s40068-022-00268-2>
- Shrestha, R., Joshi, D. R., Gopali, J., & Piya, S. (2009). Oligodynamic action of silver, copper and brass on enteric bacteria isolated from water of Kathmandu Valley. *Nepal Journal of Science and Technology*, 10, 189–193.
- Shurtleff, M. C., & Averre, C. W. (2000). *Diagnosing plant diseases caused by nematodes*. American Phytopathological Society (APS Press). <https://www.amazon.com/Diagnosing-Plant-Diseases-Caused-Nematodes/dp/0890542546>
- Simmons, C. W., Guo, H., Claypool, J. T., Marshall, M. N., Perano, K. M., Stapleton, J. J., & VanderGheynst, J. S. (2013). Managing compost stability and amendment to soil to enhance soil heating during soil solarization. *Waste Management*, 33(5), 1090–1096.
- SIMPON, E. H. (1949). Measurement of diversity. *Nature*, 688, 163.
- Stapleton, J. J. (2000). Soil solarization in various agricultural production systems. *Crop Protection*, 19(8–10), 837–841. [https://doi.org/10.1016/S0261-2194\(00\)00111-3](https://doi.org/10.1016/S0261-2194(00)00111-3)
- Stapleton, J. J., & DeVay, J. E. (1984). Thermal components of soil solarization as related to changes in soil and root microflora and increased plant growth response. *Phytopathology*, 74(3), 255–259.
- Stapleton, J. J., & Heald, C. M. (1991). Management of phytoparasitic nematodes by soil solarization. *Soil Solarization*, 51–60.
- Steel, H., de la Peña, E., Fonderie, P., Willekens, K., Borgonie, G., & Bert, W. (2010). Nematode succession during composting and the potential of the nematode

- community as an indicator of compost maturity. *Pedobiologia*, 53(3), 181–190. <https://doi.org/10.1016/j.pedobi.2009.09.003>
- Subekti, H. F. D. (2005). Pengaruh Jenis Pupuk kandang dan Konsentrasi Pupuk Pelengkap Cair terhadap Pertumbuhan Bibit Karet (*Hevea brasiliensis* Muell. Arg). *Klon IRR*, 39.
- Sudartoyo. 2004. Pengaruh Naungan terhadap Perubahan Iklim Mikro pada Budidaya Tanaman Tembakau Rakyat. *J. Tek. Ling. P3TL-BPPT*, 5(1): 56-60.
- Suyadi, S., & Rosfiansyah, R. (2017). The role of plant parasitic nematodes on productivity reduction of banana and tomato in East Kalimantan, Indonesia. *Asian Journal of Agriculture*, 1(1), 40–45.
- Swibawa, I. G., Evizal, R., Aini, F. K., Susilo, F. X., Hairiah, K., & Suprayogo, G. (2009). Penurunan keragaman pohon dan nematoda akibat alih guna hutan menjadi lahan pertanian memacu munculnya masalah nematoda. *Prosiding Seminar “Peran Konservasi Flora Indonesia Dalam Mengatasi Dampak Pemanasan Global. Bali*, 14, 688–697.
- Syawal, Y. (2019). Budidaya Tanaman Bawang Merah (*Allium Cepa* L.) Dalam Polybag Dengan Memanfaatkan Kompos Tandan Kosong Kelapa Sawit (Tkks) Pada Tanaman Bawang Merah. *Jurnal Pengabdian Sriwijaya*, 7(1), 671–677. <https://doi.org/10.37061/jps.v7i1.7530>
- Tian, Q., Chen, J., Zhang, H., & Xiao, Y. (2006). Study on the Modified triphenyl tetrazolium chloride–dehydrogenase activity (TTC-DHA) Method in Determination of bioactivity in the up-flow aerated bio-activated carbon filter. *African Journal of Biotechnology*, 5(2), 181–188. <https://hdl.handle.net/1807/6660>
- Triharyanto, E., Samanhudi, B., & Pujiasmanto, D. (2013). Kajian Pembibitan dan Budidaya Bawang Merah (*allium ascalonicum* L) Melalui Biji Botani (True Shallot Seed). *Makalah Seminar Nasional Fakultas Pertanian UNS Surakarta Dalam Rangka Dies Natalis Tahun*.
- Triman, B., & Mulyadi, M. (2001). Pengendalian Nematoda Puru Akar (*Meloidogyne* spp.) pada Buncis dengan Bakteri *Pasteuria* penetrans dan Solarisasi. *Jurnal Perlindungan Tanaman Indonesia*, 7(1), 49–54.
- Ulfah, M., Fajri, S. N., Nasir, M., Hamsah, K., & Purnawan, S. (2019). Diversity, evenness and dominance index reef fish in Krueng Raya Water, Aceh Besar. *IOP Conference Series: Earth and Environmental Science*, 348(1), 12074.
- Ullah, A., Shakeel, A., Malik, T. A., & Saleem, M. F. (2019). Assessment of drought tolerance in some cotton genotypes based on drought tolerance indices. *JAPS: Journal of Animal & Plant Sciences*, 29(4).
- Utami, A. I., Utami, S. N. H., & Indarti, S. (2017). Influence of Cow and Chicken Manure on Soil Fauna Abundance and N Uptake by Rice in Conversion from Conventional to Organic Farming System. *Proceeding of the 1st International Conference on Tropical Agriculture*, 23–39.
- Venette, R. C., & Ferris, H. (1997). Thermal constraints to population growth of bacterial-feeding nematodes. *Soil Biology and Biochemistry*, 29(1), 63-74.
- Villenave, C., Oliver, R., Fernandes, P., Ekschmitt, K., & Bongers, T. (2003). Changes in nematode communities after manuring in millet fields in Senegal. *Nematology*, 5(3), 351–358. <https://doi.org/10.1163/156854103769224340>
- Wang, F., Tong, Y. A., Zhang, J. S., Gao, P. C., & Coffie, J. N. (2013). Effects of various organic materials on soil aggregate stability and soil microbiological properties on the Loess Plateau of China. *Plant, Soil and Environment*, 59(4), 162–168. <https://doi.org/10.17221/702/2012-PSE>
- Woolford, S. (2015). Analyze This PCA or EFA. *Genetic Counseling Training Program, July*, 31, 2015.
- Yaqub, F., & Shahzad, S. (2009). Effect of solar heating by polyethylene mulching on

sclerotial viability and pathogenicity of *Sclerotium rolfsii* on mungbean and sunflower. *Pak. J. Bot*, 41(6), 3199–3205.

Yavuzaslanoglu, E., Dikici, A., & Elekcioglu, I. H. (2016). Research on nematodes on onion in Karaman in Turkey. *Acta Horticulturae*, 1143, 49–54. <https://doi.org/10.17660/ActaHortic.2016.1143.8>

Yeates, G. W., Bongers, T., De Goede, R. G., Freckman, D. W., & Georgieva, S. S. (1993). Feeding habits in soil nematode families and genera-an outline for soil ecologists. *Journal of Nematology*, 25(3), 315–331. <http://www.ncbi.nlm.nih.gov/pubmed/19279775>

Yilmaz, S., Celik, I., & Zengin, S. (2011). Combining effects of soil solarization and grafting on plant yield and soil-borne pathogens in cucumber. *International Journal of Plant Production*, 5(1), 95–104.