

DAFTAR PUSTAKA

- Abate, T., Shiferaw, B., Menkir, A., Wegary, D., Kebede, Y., Tesfaye, K., Kassie, M., Bogale, G., Tadesse, B., & Keno, T. 2015. Factors that transformed maize productivity in Ethiopia. *Food Sec.* 7(5), 965-981.
- Adem, M., Azadi, H., Spalevic, V., Pietrzykowski, M., & Scheffran, J. 2023. Impact of integrated soil fertility management practices on maize yield in Ethiopia. *Soil and Tillage Research*, 227, 105595, 1-10.
- Affoh, R., Zheng, H., Zhang, X., Yu, W., & Qu, C. 2022. Influences of meteorological factors on maize and sorghum yield in Togo, West Africa. *Land*, 12(1), 123, 1-24.
- Amaru, K., Suryadi, E., Bafdal, N., Asih, F.P. 2013. Kajian kelembaban tanah dan kebutuhan air beberapa varietas hibrida DR UNPAD. *Jurnal Keteknikan Pertanian*, 1(1), 107-115.
- Alori, E. T., Glick, B. R., & Babalola, O. O. 2017. Microbial phosphorus solubilization and its potential for use in sustainable agriculture. *Frontiers in microbiology*, 8, 971, 1-8.
- Amsili, J. P., van Es, H. M., & Schindelbeck, R. R. 2021. Cropping system and soil texture shape soil health outcomes and scoring functions. *Soil Security*, 4, 100012, 1-11.
- Aprile, F., & Lorandi, R. 2012. Evaluation of Cation Exchange Capacity (CEC) in Tropical Soils Using Four Different Analytical Methods. *Journal of Agricultural Science*, 4(6), 278-289.
- Aristya, V. E., & Samijan, S. 2022. The yield gap maize under intensive cropping system in Central Java. *PLANTA TROPIKA: Jurnal Agrosains (Journal of Agro Science)*, 10(1), 1-12.
- Azrai, M., Syafruddin, Efendi, R., Aqil, M., Zainuddin, B., Arvan, R. Y., Pakki, S., Mirzam, H., Wijanarko, A., Anggara, A. W., Kasno, A., & Syahbuddin, H. 2020. Teknologi Budidaya Jagung pada Berbagai Ekosistem. Yogyakarta: CV. Cakrawala Yogyakarta. 50p.
- Balík, J., Kulhánek, M., Černý, J., Sedlář, O., & Suran, P. 2020. Soil organic matter degradation in long-term maize cultivation and insufficient organic fertilization. *Plants*, 9(9), 1217, 1-15.
- Basri, A. H. H. 2018. Kajian peranan mikoriza dalam bidang pertanian. *Agrica Ekstensia*, 12(2), 74-78.
- Bojtor, C., Illés, Á., Nasir Mousavi, S. M., Széles, A., Tóth, B., Nagy, J., & Marton, C. L. 2021. Evaluation of the nutrient composition of maize in different NPK fertilizer levels based on multivariate method analysis. *International Journal of Agronomy*, 2021, 1-13.
- Boretti, A., & Florentine, S. 2019. Atmospheric CO₂ concentration and other limiting factors in the growth of C3 and C4 plants. *Plants*, 8(4), 92, 1-11.
- [BPS]. Badan Pusat Statistik. 2021. Analisis Produktivitas Jagung dan Kedelai di Indonesia 2020 (Hasil Survei Ubinan). Jakarta: BPS-Badan Pusat Statistik Indonesia. Vol. 05100.2103.
- [BPS]. Badan Pusat Statistik. 2022. Analisis Produktivitas Jagung dan Kedelai di Indonesia 2021 (Hasil Survei Ubinan). Jakarta: BPS-Badan Pusat Statistik Indonesia. Vol. 05100.2206.
- [BPT]. Balai Penelitian Tanah. 2009. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk. Balai Penelitian Tanah. Kementerian Pertanian Republik Indonesia, Bogor. 234p
- [BPTS]. Balai Penelitian Tanaman Sereal. 2020. Deskripsi Varietas Unggul Jagung,

- Sorgum dan Gandum. Balai Penelitian dan Pengembangan Pertanian. Kementerian Pertanian, Makassar. 155p.
- [BPTS]. Balai Penelitian Tanaman Serealia. 2008. Mengenal Fase Pertumbuhan Tanaman Jagung. Badan Penelitian dan Pengembangan Pertanian, Balai. Jakarta: IAARD Press.
- Budiastuti, M. T. S., Purnomo, D., Pujiasmanto, B., & Setyaningrum, D. 2023. Response of maize yield and nutrient uptake to indigenous organic fertilizer from corn cobs. *Agriculture*, 13(2), 309, 1-15.
- Chen, X., Liu, P., Zhao, B., Zhang, J., Ren, B., Li, Z., & Wang, Z. 2022. Root physiological adaptations that enhance the grain yield and nutrient use efficiency of maize (*Zea mays* L) and their dependency on phosphorus placement depth. *Field Crops Research*, 276, 108378, 1-12.
- Chia, S. Y., & Lim, M. W. 2022. A critical review on the influence of humidity for plant growth forecasting. In *IOP Conference Series: Materials Science and Engineering*, 1257(1), p. 012001, 1-6.
- Cui, X., Mao, P., Sun, S., Huang, R., Fan, Y., Li, Y., ... & Li, Z. 2021. Phytoremediation of cadmium contaminated soils by Amaranthus Hypochondriacus L.: The effects of soil properties highlighting cation exchange capacity. *Chemosphere*, 283, 131067, 1-9.
- [DTPH]. Dinas Tanaman Pangan dan Hortikultura. 2021. Luas Panen Jagung Berdasarkan Kabupaten/Kota di Jawa Barat. Dinas Tanaman Pangan dan Hortikultura, Bandung.
- Dwamena, H. A., Tawiah, K., & Akuoko Kodua, A. S. 2022. The effect of rainfall, temperature, and relative humidity on the yield of cassava, yam, and maize in the Ashanti region of Ghana. *International Journal of Agronomy*, 2022, 1-12.
- Dwiastuti, S., MARIDI, M., Suwarno, S., & Puspitasari, D. 2016. Bahan organik tanah di lahan marjinal dan faktor-faktor yang mempengaruhinya. In *Proceeding Biology Education Conference: Biology, Science, Environmental, and Learning*, 13(1), 748-751.
- Eden, M., Bachmann, J., Cavalaris, C., Kostopoulou, S., Kozaiti, M., & Böttcher, J. 2020. Soil structure of a clay loam as affected by long-term tillage and residue management. *Soil and Tillage Research*, 204, 104734, 1-9.
- Elhaissoufi, W., Ghoulam, C., Barakat, A., Zeroual, Y., & Bargaz, A. 2022. Phosphate bacterial solubilization: A key rhizosphere driving force enabling higher P use efficiency and crop productivity. *Journal of Advanced Research*, 38, 13–28.
- Erdiansyah, I., Damanhuri, F. N. U., & Azizah, P. Z. 2019. Isolasi dan identifikasi cendawan mikoriza arbuskular pada tiga pusat lokasi tanaman jagung di Kabupaten Jember. *Agriprima: Journal of Applied Agricultural Sciences*, 3(2), 41-50.
- Fang, J., & Su, Y. 2019. Effects of soils and irrigation volume on maize yield, irrigation water productivity, and nitrogen uptake. *Scientific reports*, 9(1), 7740, 1-11.
- [FAO]. Food and Agriculture Organization of the United States. 2017. *Soil Organic Carbon: the hidden potential*. Food and Agriculture Organization of the United Nations.
- Fiqriansyah, W., Syam, R., & Rahmadani, A. 2021. Teknologi Budidaya Tanaman Jagung (*Zea mays*) dan Sorgum (*Sorghum bicolor* (L.) Moench). 64p.
- Fitriatin, B. N., Fauziah, D. A., Hindersah, R., & Simarmata, T. 2022. The influence of different acidic conditions on the plant growth-promoting rhizobacteria activity of phosphate solubilizing bacteria. *KnE Life Sciences*, 72-78.
- Gerke, J. 2022. The central role of soil organic matter in soil fertility and carbon

- storage. *Soil Systems*, 6(2), 33, 1-14.
- Ginting, I. F., Yusnaini, S., Dermiyati, D., & Rini, M. V. 2018. Pengaruh inokulasi fungi mikoriza arbuskular dan penambahan bahan organik pada tanah pasca penambangan galian c terhadap pertumbuhan dan serapan hara p tanaman jagung (*Zea mays L.*). *Jurnal Agrotek Tropika*, 6(2), 110–118.
- Guo, Z., Han, J., Li, J., Xu, Y., & Wang, X. 2019. Effects of long-term fertilization on soil organic carbon mineralization and microbial community structure. *PLoS One*, 14(1), e0211163, 1-16.
- Gurdeep, K. A. U. R., & Reddy, M. S. 2015. Effects of phosphate-solubilizing bacteria, rock phosphate and chemical fertilizers on maize-wheat cropping cycle and economics. *Pedosphere*, 25(3), 428-437.
- Haryono, Heny Ekawati. 2019. Kimia Dasar. Yogyakarta: Deepublish. 142p.
- Hilty, J., Muller, B., Pantin, F., Leuzinger, S., 2021. Plant growth: the what, the how, and the why. *New Phytologist*, 232, 25–41.
- Idowu, O. J., Sultana, S., Darapuneni, M., Beck, L., & Steiner, R. 2019. Short-term conservation tillage effects on corn silage yield and soil quality in an irrigated, arid agroecosystem. *Agronomy*, 9(8), 455, 1-17.
- Ingle, K. P., & Padole, D. A. 2017. Phosphate solubilizing microbes: An overview. *International Journal of Current Microbiology and Applied Sciences*, 6(1), 844–852.
- Itelima, J. U., Bang, W. J., Onyimba, I. A., Sila, M. D., & Egbere, O. J. 2018. Bio-fertilizers as key player in enhancing soil fertility and crop productivity: A review. *Direct Research Journal of Agriculture and Food Science*, 6(3), 73-83.
- Jian, Z., Lei, L., Ni, Y., Xu, J., Xiao, W., & Zeng, L. 2022. Soil clay is a key factor affecting soil phosphorus availability in the distribution area of Masson pine plantations across subtropical China. *Ecological Indicators*, 144, 109482, 1-10.
- Kalayu, G. 2019. Phosphate solubilizing microorganisms: promising approach as biofertilizers. *International Journal of Agronomy*, 2019, 1-7.
- Kamsurya, M. Y., & Botanri, S. 2022. Peran bahan organik dalam mempertahankan dan perbaikan kesuburan tanah pertanian; review. *Jurnal Agrohut*, 13(1), 25-34.
- Kantikowati, E., Karya, & Juniar, D. D. 2023. Karakteristik pertumbuhan dan hasil jagung (*Zea mays L.*) varietas bisi 18 akibat pemberian pupuk urea: Bahasa Indonesia. *AGRO TATANEN / Jurnal Ilmiah Pertanian*, 5(1), 1–11.
- Karamina, H., Fikrinda, W., & Murti, A. T. 2018. Kompleksitas pengaruh temperatur dan kelembaban tanah terhadap nilai pH tanah di perkebunan jambu biji varietas kristal (*Psidium guajava L.*) Bumiaji, Kota Batu. *Kultivasi*, 16(3), 430–434.
- Kartina, A., Nuniek, H., & Fatmawaty, A. A. 2016. Perbandingan sifat kimia dan kesuburan fisik tanah pada kondisi tempat tumbuh alami dan budidaya Talas Beneng (*Xanthosoma undipes* K.Koch) di Kawasan Gunung Karang Kampung Juhut Kabupaten Pandeglang Provinsi Banten. *Jurnal Agroekotek*, 8(1), 64–69.
- Kane, D. A., Bradford, M. A., Fuller, E., Oldfield, E. E., & Wood, S. A. 2021. Soil organic matter protects US maize yields and lowers crop insurance payouts under drought. *Environmental Research Letters*, 16(4), 044018, 1-10.
- Khalil, H. A., Hossain, M. S., Rosamah, E., Azli, N. A., Saddon, N., Davoudpoura, Y., Islam, M. N., & Dungani, R. 2015. The role of soil properties and it's interaction towards quality plant fiber: A review. *Renewable and Sustainable Energy Reviews*, 43, 1006-1015.
- Kiswanto. 2018. Bercocok Tanaman Jagung. Yogyakarta: Rubrik. 74p.
- Kome, G. K., Enang, R. K., Tabi, F. O., & Yerima, B. P. K. 2019. Influence of clay minerals on some soil fertility attributes: a review. *Open Journal of Soil Science*,

- 9(9), 155-188.
- La Habi, M., Nendissa, J. I., Marasabessy, D., & Kalay, A. M. 2018. Ketersediaan fosfat, serapan fosfat, dan hasil tanaman jagung (*Zea mays L.*) akibat pemberian kompos granul elai sagu dengan pupuk fosfat pada inceptisols. *Agrologia*, 7(1), 42-52.
- Leguizamón, Y., Goldenberg, M. G., Jobbág, E., Seppelt, R., & Garibaldi, L. A. 2023. Environmental potential for crop production and tenure regime influence fertilizer application and soil nutrient mining in soybean and maize crops. *Agricultural Systems*, 210, 103690, 1-11.
- Li, Y., Liu, X., Hao, T., & Chen, S. 2017. Colonization and maize growth promotion induced by phosphate solubilizing bacterial isolates. *International journal of molecular sciences*, 18(7), 1253, 2-16.
- Liu, X., Feng, Z., Zhao, Z., Zhu, H., & Yao, Q. 2020. Acidic soil inhibits the functionality of arbuscular mycorrhizal fungi by reducing arbuscule formation in tomato roots. *Soil Science and Plant Nutrition*, 66(2), 275-284.
- Lovitna, G., Nuraini, Y., & Istiqomah, N. 2021. Pengaruh aplikasi bakteri pelarut fosfat dan pupuk anorganik fosfat terhadap populasi bakteri pelarut fosfat, P-tersedia, dan hasil tanaman jagung pada alfisol. *Jurnal Tanah Dan Sumberdaya Lahan*, 8(2), 437–449.
- Mahmood, F., Khan, I., Ashraf, U., Shahzad, T., Hussain, S., Shahid, M., ... & Ullah, S. 2017. Effects of organic and inorganic manures on maize and their residual impact on soil physico-chemical properties. *Journal of soil science and plant nutrition*, 17(1), 22-32.
- Mareri, L., Parrotta, L., & Cai, G. 2022. Environmental stress and plants. *International Journal of Molecular Sciences*, 23(10), 5416, 1-9.
- Moral, J. F., & Rebollo, J. F. 2017. Characrterization of soil fertility using the Rasch model. *Journal of Soil Science and Plant Nutition*, 17(2), 486-498.
- Mulyani, A., Nursyamsi, D., & Harnowo, D. 2016. Potensi dan tantangan pemanfaatan lahan suboptimal untuk tanaman aneka kacang dan umbi. *Prosiding Seminar Hasil Penelitian Tanaman Aneka Kacang Dan Umbi*, 16–30.
- Murni, A. M., & Arief, R. W. 2008. Teknologi Budidaya Jagung. Bogor: Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian. 40p.
- Nazir, Moh. 2011. Metode Penelitian. Bogor: Penerbit Ghalia Indonesia. 308p.
- Nešić, L., Vasin, J., Belić, M., Ćirić, V., Gligorijević, J., Milunović, K., & Sekulić, P. 2015. The colloid fraction and cation-exchange capacity in the soils of Vojvodina, Serbia. *Ratarstvo i povrtarstvo/Field and Vegetable Crops Research*, 52(1), 18-23.
- Okalia, D., Nopsagiarti, T., & Marlina, G. 2019. Karakteristik sifat kimia tanah (ph, P-tersedia, P-potensial, dan al-dd) pada lahan agrowisata bekem jaya Kecamatan Benai Kabupaten Kuantan Singingi. *Prosiding Webminar Nasional Series Sistem Pertanian Terpadu Dalam Pemberdayaan Petani di Era New Normal* 41, 33–41.
- Oke, O. F. 2016. Effects of agro-climatic variables on yield of *Zea mays L.* in a humid tropical rainforest agroecosystem. *Journal of Environment and Earth Science*, 6(1), 148-151. ISSN 2225-0948.
- Oldfield, E. E., Bradford, M. A., & Wood, S. A. 2019. Global meta-analysis of the relationship between soil organic matter and crop yields. *Soil*, 5(1), 15-32.
- Oteino, N., Lally, R. D., Kiwanuka, S., Lloyd, A., Ryan, D., Germaine, K. J., & Dowling, D. N. 2015. Plant growth promotion induced by phosphate solubilizing endophytic *Pseudomonas* isolates. *Frontiers in microbiology*, 6, 745, 1-9.
- Panjaitan, F. J., Bachtiar, T., Arsyad, I., Lele, O. K., & Indriyani, W. 2020.

- Karakterisasi mikroskopis dan uji biokimia bakteri pelarut fosfat (bpf) dari rhizosfer tanaman jagung fase vegetatif. *CIWAL (Jurnal Ilmu Pertanian dan Lingkungan)*, 1(1), 9-17.
- [PDSIP]. Pusat Data dan Sistem Informasi Pertanian. 2020. Outlook Jagung Komoditas Pertanian Subsektor Tanaman Pangan. Jakarta: Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal Kementerian Pertanian.
- Pereira, N. C. M., Galindo, F. S., Gazola, R. P. D., Dupas, E., Rosa, P. A. L., Mortinho, E. S., & Filho, M. C. M. T. 2020. Corn yield and phosphorus use efficiency response to phosphorus rates associated with plant growth promoting bacteria. *Frontiers in Environmental Science*, 8, 40, 1-12.
- Polcyn, W., Paluch-Lubawa, E., Lehmann, T., & Mikuła, R. 2019. Arbuscular mycorrhiza in highly fertilized maize cultures alleviates short-term drought effects but does not improve fodder yield and quality. *Frontiers in Plant Science*, 10, 496, 1-16.
- Qu, W., Han, G., Wang, J., Zhao, M., He, W., Li, X., & Wei, S. 2021. Short-term effects of soil moisture on soil organic carbon decomposition in a coastal wetland of the Yellow River Delta. *Hydrobiologia* 848, 3259–3271.
- Rafael, R. B. A., Fernández-Marcos, M. L., Cocco, S., Ruello, M. L., Fornasier, F., & Corti, G. 2020. Increased phosphorus availability to corn resulting from the simultaneous applications of phosphate rock, calcareous rock, and biochar to an acid sandy soil. *Pedosphere*, 30(6), 719-733.
- Rahayu, D., Rahayu, W. P., Jenie, H. N., Herawati, D., Broto, W., & Ambarwati, S. 2015. Pengaruh suhu dan kelembaban terhadap pertumbuhan Fusarium verticillioides BIO 957 dan produksi fumonisins B1. *Agritech*, 35(2), 156-163.
- Rodríguez, J. E. P., & Verdezoto, R. P. C. 2022. Impact of climate change on crop yield of corn (*Zea mays* L.) in the Canton Junín, Province of Manabí. *International Journal of Health Sciences*, 6(S2), 10779–10795.
- Roohi, M., Arif, M. S., Guillaume, T., Yasmeen, T., Riaz, M., Shakoor, A., Farooq, T. M., Shahzad, S. M., & Bragazza, L. 2022. Role of fertilization regime on soil carbon sequestration and crop yield in a maize-cowpea intercropping system on low fertility soils. *Geoderma*, 428, 116152, 1-11.
- Rudianto, G., Indradewa, D., & Hidayah Utami, S. N. 2017. Pengaruh ketebalan abu volkan di atas permukaan tanah yang jatuh pada berbagai fase tumbuh terhadap pertumbuhan dan hasil jagung (*Zea Mays* L.). *Vegetalika*, 6(3), 1-11.
- Sadeghi, S., Petermann, B. J., Steffan, J. J., Brevik, E. C., & Gedeon, C. 2023. Predicting microbial responses to changes in soil physical and chemical properties under different land management. *Applied Soil Ecology*, 188, 104878, 1-12.
- Salawangi, A. C., Lengkong, J., & Kaunang, D. 2020. Kajian porositas tanah lempung berpasir dan lempung berliat yang ditanami jagung dengan pemberian kompos. *Cocos* 5(5), 1-9.
- Schulze, D. G. 2004. Clay Minerals. In: *Encyclopedia of Soils in the Environment*. Elsevier Inc, pp. 246–254.
- Sembiring, R., Simbolon, J., & Tarigan, R. R. 2022. Respon hasil tanaman jagung (*Zea mays* L.) pada aplikasi dosis pupuk urea dan konsentrasi pupuk organik cair. *Jurnal Agroteknosains*, 6(2), 134-143.
- Simfukwe, P., Hill, P.W., Emmett, B.A., Jones, D.L. 2021. Identification and predictability of soil quality indicators from conventional soil and vegetation classifications. *PLoS One*. 16(10), 1-22.
- Siregar, B. 2017. Analisa kadar C-organik dan perbandingan C/N tanah di lahan tambak

- Kelurahan Sicanang Kecamatan Medan Belawan. *Jurnal Warta Edisi*, 53(1), 1–14.
- Sirisuntornlak, N., Ullah, H., Sonjaroosn, W., Anusontpornperm, S., Arirob, W., & Datta, A. 2021. Interactive effects of silicon and soil pH on growth, yield and nutrient uptake of maize. *Silicon*, 13, 289-299.
- Solly, E. F., Weber, V., Zimmermann, S., Walther, L., Hagedorn, F., & Schmidt, M. W. 2020. A critical evaluation of the relationship between the effective cation exchange capacity and soil organic carbon content in Swiss forest soils. *Frontiers in Forests and Global Change*, 3, 98, 1-12.
- Song, M., Li, J., Gao, L., & Tian, Y. 2023. Comprehensive evaluation of effects of various carbon-rich amendments on overall soil quality and crop productivity in degraded soils. *Geoderma*, 436, 116529, 1-12.
- Song, X., Chen, C., Arthur, E., Tuller, M., Zhou, H., Shang, J., & Ren, T. 2022. Cation exchange capacity and soil pore system play key roles in water vapour sorption. *Geoderma*, 424, 116017, 1-8.
- Sonia, A. V., & Setiawati, T. C. 2022. Aktivitas bakteri pelarut fosfat terhadap peningkatan ketersediaan fosfat pada tanah masam. *Agrovivor: Jurnal Agroekoteknologi*, 15(1), 44-53.
- Stoffel, S. C. G., Soares, C. R. F. S., Meyer, E., Lovato, P. E., & Giachini, A. J. 2020. Yield increase of corn inoculated with a commercial arbuscular mycorrhizal inoculant in Brazil. *Ciência Rural*, 50, 1-10.
- Sugiyono. 2019. Statistika untuk Penelitian. Bandung: Penerbit Alfabeta, 416p.
- Syachbudy, Q. Q. 2023. Efektivitas Program Pajale Pada Komoditas Jagung di Indonesia. *Paradigma Agribisnis*, 5(2), 129-137.
- Tashayo, B., Honarbakhsh, A., Akbari, M., & Eftekhari, M. 2020. Land suitability assessment for maize farming using a GIS-AHP method for a semi-arid region, Iran. *Journal of the Saudi Society of Agricultural Sciences*, 19(5), 332-338.
- Tian, L., Li, J., Bi, W., Zuo, S., Li, L., Li, W., & Sun, L. 2019. Effects of waterlogging stress at different growth stages on the photosynthetic characteristics and grain yield of spring maize (*Zea mays* L.) under field conditions. *Agricultural Water Management*, 218, 250-258.
- Upadhyay, H., Juneja, A., Turabieh, H., Malik, S., Gupta, A., Bitsue, Z. K., & Upadhyay, C. 2022. Exploration of crucial factors involved in plants development using the fuzzy AHP method. *Hindawi Mathematical Problems in Engineering*, 2022, 1-9.
- Utomo, M. 2015. Tanpa Olah Tanah : Teknologi Pengolahan Pertanian Lahan Kering. Yogyakarta: Graha Ilmu, 122p.
- Wahid, F., Fahad, S., Danish, S., Adnan, M., Yue, Z., Saud, S., Siddiqui, M.H., Brtnicky, M., Hammerschmiedt, T., Datta, R. 2020. Sustainable management with mycorrhizae and phosphate solubilizing bacteria for enhanced phosphorus uptake in calcareous soils. *Agriculture*, 10(8), 334, 1-14.
- Wahyudin, A., Fitriatin, B. N., Wicaksono, F. Y., Ruminta, R., & Aristiyo, M. 2017. Respons tanaman jagung (*Zea mays* L.) akibat pemberian pupuk fosfat dan waktu aplikasi pupuk hayati mikroba pelarut fosfat pada Ultisols Jatinangor. *Kultivasi*, 16(1), 246-254.
- Wahyunto, Hikmatullah, E. Suryani, C. Tafakresnanto, S. Ritung, A. Mulyani, Sukarman, K. Nugroho, Y. Sulaeman, Y. Apriyana, Suciantini, A. Pramudia, Suparto, R.E. Subandiono, T. Sutriadi, D. Nursyamsi. 2016. Petunjuk Teknis Pedoman Penilaian Kesesuaian Lahan untuk Komoditas Pertanian Strategis Tingkat Semi Detail Skala 1:50.000. Balai Besar Penelitian dan Pengembangan

- Sumberdaya Lahan Pertanian, Badan Penelitian dan Pengembangan Pertanian, Bogor. 37p.
- Wan, W., Qin, Y., Wu, H., Zuo, W., He, H., Tan, J., Wang, Y., & He, D. 2020. Isolation and characterization of phosphorus solubilizing bacteria with multiple phosphorus sources utilizing capability and their potential for Lead immobilization in soil. *Frontiers in Microbiology*, 11, 1–15.
- Wen, Z., Li, H., Shen, J., & Rengel, Z. 2017. Maize responds to low shoot P concentration by altering root morphology rather than increasing root exudation. *Plant and Soil*, 416, 377–389.
- Wicaksono, M., Ramadhani, E., & Sasvita, W. 2020. Pengaruh beberapa dosis pupuk organik hayati dan pupuk kandang sapi terhadap pertumbuhan tanaman jagung. *Agrica Ekstensia*, 14(2), 119–125.
- Widiati, R., Idrus, M. I., & Imran, A. N. 2015. Isolasi dan identifikasi mikoriza vesikular arbuskular (Mva) pada rhizosfer tanaman jagung (*Zea mays* L.) di Desa Samanki Kecamatan Simbang Kabupaten Maros. *Agrokompleks*, 14(1), 55–60.
- Yahia, E. M. 2019. Introduction. Postharvest Technology of Perishable Horticultural Comodities. Woodhead Publishing. 1-41.
- Yang, F., Tian, J., Meersmans, J., Fang, H., Yang, H., Lou, Y., Li, Z., Liu, K., Zhou, Y., Blagodatskaya, E., & Kuzyakov, Y. 2018. Functional soil organic matter fractions in response to long-term fertilisation in upland and paddy systems in South China. *Catena*, 162, 270–277.
- Zhang, P., Sun, J., Li, L., Wang, X., Li, X., & Qu, J. 2019. Effect of soybean and maize rotation on soil microbial community structure. *Agronomy*, 9(2), 42, 1-11.
- Zhang, H., Qi, X., Ma, C., Wu, J., Bi, Y., Sun, R., ... & Song, J. 2020. Effect analysis of soil type and silt content on silt-based foamed concrete with different density. *Materials*, 13(17), 3866, 1-14.
- Zhang, Y., Xia, C., Zhang, X., Sha, Y., Feng, G., & Gao, Q. 2022. Quantifying the relationships of soil properties and crop growth with yield in a NPK fertilizer application maize field. *Computers and Electronics in Agriculture*, 198, 107011, 1-12.
- Zhao, D., Li, N., Zare, E., Wang, J., & Triantafilis, J. 2020. Mapping cation exchange capacity using a quasi-3d joint inversion of EM38 and EM31 data. *Soil and Tillage Research*, 200, 104618, 1-12.
- Zhou, M., Liu, C., Wang, J., Meng, Q., Yuan, Y., Ma, X., Liu, X., Zhu, Y., Ding, G., Zhang, J., Zeng, X., & Du, W. 2020. Soil aggregates stability and storage of soil organic carbon respond to cropping systems on Black Soils of Northeast China. *Scientific Reports*, 10(1), 265, 1-13.
- Zhou, J., Zhang, L., Feng, G., & George, T. S. 2022. Arbuscular mycorrhizal fungi have a greater role than root hairs of maize for priming the rhizosphere microbial community and enhancing rhizosphere organic P mineralization. *Soil Biology and Biochemistry*, 171, 108713, 1-12.