

DAFTAR PUSTAKA

- Asàri, C. H., Ramadan, D. N., & Damayanti, T. N. (2022). PERANCANGAN DAN REALISASI SISTEM MONITORING UNSUR HARA DAN KELEMBABAN TANAH MENGGUNAKAN RASPBERRY PI MONITORING SYSTEM DESIGN AND REALIZATION NUTRITION AND SOIL MOISTURE USING RASPBERRY PI. *E-Proceeding of Applied Science*, 8(1), 2442–5826.
- Bhat, S. A., & Huang, N. F. (2021). Big Data and AI Revolution in Precision Agriculture: Survey and Challenges. *IEEE Access*, 9, 110209–110222. <https://doi.org/10.1109/ACCESS.2021.3102227>
- Blesslin Sheeba, T., Anand, L. D. V., Manohar, G., Selvan, S., Wilfred, C. B., Muthukumar, K., Padmavathy, S., Ramesh Kumar, P., & Asfaw, B. T. (2022). Machine Learning Algorithm for Soil Analysis and Classification of Micronutrients in IoT-Enabled Automated Farms. *Journal of Nanomaterials*, 2022. <https://doi.org/10.1155/2022/5343965>
- Borowik, A., & Wyszowska, J. (2016). Soil moisture as a factor affecting the microbiological and biochemical activity of soil. *Plant, Soil and Environment*, 62(6), 250–255. <https://doi.org/10.17221/158/2016-PSE>
- Chawla, N. V, Bowyer, K. W., Hall, L. O., & Kegelmeyer, W. P. (2002). SMOTE: Synthetic Minority Over-sampling Technique. In *Journal of Artificial Intelligence Research* (Vol. 16).
- Ferry, M., Asmadi Saad, & Yulfita Farni. (2024). EVALUASI STATUS KESUBURAN TANAH DI MASA REPLANTING PERKEBUNAN KELAPA SAWIT PADA TANAH MINERAL PROVINSI JAMBI. *Jurnal Tanah Dan Sumberdaya Lahan*, 11(1), 17–27. <https://doi.org/10.21776/ub.jtsl.2024.011.1.3>
- Friha, O., Ferrag, M. A., Shu, L., Maglaras, L., & Wang, X. (2021a). Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. In *IEEE/CAA Journal of Automatica Sinica* (Vol. 8, Issue 4, pp. 718–752). Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/JAS.2021.1003925>
- Friha, O., Ferrag, M. A., Shu, L., Maglaras, L., & Wang, X. (2021b). Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. In *IEEE/CAA Journal of Automatica Sinica* (Vol. 8, Issue 4, pp. 718–752). Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/JAS.2021.1003925>
- Gosai, D., Raval, C., Nayak, R., Jayswal, H., & Patel, A. (2021). Crop Recommendation System using Machine Learning. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, 558–569. <https://doi.org/10.32628/CSEIT2173129>
- Gottemukkala, L., Jajala, S. T. R., Thalari, A., Vootkuri, S. R., Kumar, V., & Naidu, G. M. (2023). Sustainable Crop Recommendation System Using Soil NPK

Sensor. *E3S Web of Conferences*, 430.
<https://doi.org/10.1051/e3sconf/202343001100>

Krishna Senapaty, M., Ray, A., & Padhy, N. (2024). Enhancing Soil Fertility Prediction Through Federated Learning on IoT-Generated Datasets with a Feature Selection Perspective †. *Engineering Proceedings*, 26.
<https://doi.org/10.3390/xxxxx>

Kumar, G. K., Bangare, M. L., Bangare, P. M., Kumar, C. R., Raj, R., Arias-González, J. L., Omarov, B., & Mia, M. S. (2024). Internet of things sensors and support vector machine integrated intelligent irrigation system for agriculture industry. *Discover Sustainability*, 5(1).
<https://doi.org/10.1007/s43621-024-00179-5>

Kumar, L. L., Srivani, M., Nishath, M. T., Akhil, T., Naveen, A., & Charith Kumar, K. (2024). Monitoring of Soil Nutrients Using Soil NPK Sensor and Arduino. *Copyright@ EM International*, 30.
<https://doi.org/10.53550/EEC.2023.v30i01s.049>

Rahman, A. A., Prasetyowati, S. S., & Sibaroni, Y. (2023). PERFORMANCE ANALYSIS OF THE IMBALANCED DATA METHOD ON INCREASING THE CLASSIFICATION ACCURACY OF THE MACHINE LEARNING HYBRID METHOD. *JUPI (Jurnal Ilmiah Penelitian Dan Pembelajaran Informatika)*, 8(1), 115–126. <https://doi.org/10.29100/jupi.v8i1.3286>

Rahmatika Cahyaningprastiwi, S., Sarminah, S., KPHP Mook Manor Bulatn, U., Jenderal Yani RT XI Melak Ulu, J. A., Kutai Barat, K., Kehutanan, F., Mulawarman, U., Penajam, J., & Kalimantan Timur, P. (2021). SUHU DAN KELEMBAPAN TANAH PADA POSISI TOPOGRAFI DAN KEDALAMAN TANAH BERBEDA DI TAMAN SEJATI KOTA SAMARINDA. *Jurnal AGRIFOR*, 2.

Rajagukguk, R. N., & Nuraini, Y. (2024). PEMANFAATAN KOMPOS DAN MIKORIZA UNTUK MEMPERBAIKI KESUBURAN TANAH, PERTUMBUHAN SERTA PRODUKSI TANAMAN JAGUNG MANIS (*Zea mays saccharata*). *Jurnal Tanah Dan Sumberdaya Lahan*, 11(1), 49–57.
<https://doi.org/10.21776/ub.jtsl.2024.011.1.6>

Reshma, R., Sathiyavathi, V., Sindhu, T., Selvakumar, K., & Sairamesh, L. (2020). IoT based classification techniques for soil content analysis and crop yield prediction. *Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020*, 156–160.
<https://doi.org/10.1109/I-SMAC49090.2020.9243600>

Susila, K. D., Ginting, D. C. B., Adnyana, I. M., Saifulloh, M., & Arthagama, I. D. M. (2024). Enhancing soil quality for sustainable agricultural practices in Subak rice Fields. *Journal of Degraded and Mining Lands Management*, 12(1), 6623–6635. <https://doi.org/10.15243/jdmlm.2024.121.6623>