

DAFTAR PUSTAKA

- [1] A. C. U. Abdul Muhari, Teguh Harjito and F. Irawa, “Data dan Informasi Kebencanaan Bulanan Teraktual Pusat Data Informasi Dan Komunikasi Kebencanaan,” *ISSN*, vol. 7, no. 1, pp. 2964–9331, 2026.
- [2] O. O. Artha, B. Rahmadya, and R. E. Putri, “Sistem Peringatan Dini Bencana Longsor Menggunakan Sensor Accelerometer dan Sensor Kelembaban Tanah Berbasis Android,” *JITCE*, vol. 02, pp. 64–70, 2018.
- [3] Z. Muksin, A. Rahim, A. Hermansyah, A. A. Samudra, and E. Satispi, “Mitigasi Bencana Gempa Bumi di Cianjur,” *JHIP*, vol. 6, no. April, pp. 2486–2490, 2023.
- [4] Y. Liu, “An IoT-based sustainable early warning system for rainfall induced landslides,” pp. 1141–1144, 2023, doi: 10.1201/9781003299127-161.
- [5] A. Muhardiansyah, F. T. Informasi, and U. B. Luhur, “Perangkat Internet Of Things Deteksi Dini Tanah Internet Of Things Early Landslide Detection Device,” *SENAFTI*, vol. 2, no. September, pp. 2193–2202, 2023.
- [6] J. Fisika, U. N. Surabaya, J. Ketintang, and J. Timur, “Rancang Bangun Alat Deteksi Tanah Longsor Berbasis Iot Dengan Nodemcu Esp8266 Dan Mpu6050,” *JHIF*, vol. 06, no. 02, pp. 137–146, 2022.
- [7] D. Agustino *et al.*, “Perancangan Robot Line Follower Pada Sadetec Sebagai Jaga Jarak Aman Antrian,” *Power Elektron.*, vol. 11, no. 2, pp. 198–203, 2022.
- [8] K. Sawitri, “Alat Ukur Kadar Air Beras Menggunakan Resistive Dan Capacitive Soil Moisture Sensor,” *Agriculture*, vol. 13, no. 3, pp. 1182–1193, 2019.
- [9] S. Mujahid, B. Irawan, and C. Setianingsih, “Perancangan Prototipe Sistem Peringatan Dini Tanah Longsor Berbasis Internet Of Things Prototipe Design of Warning System For

- Landslide Based On Internet Of Things,” vol. 7, no. 1, pp. 1651–1657, 2020.
- [10] Aditya Pratama, A. A. N. Amirita, and D. care Khrisne, “Rancang Bangun Sistem Monitoring Listrik Tiga Fasa Berbasis Wireless Sensor Network Menggunakan LoRa Ra-02 SX1278,” *Maj. Ilm. Teknol. Elektro*, vol. 20, no. 2, pp. 352–360, 2021, doi: <https://doi.org/10.24843/MITE.2021.v20i02.P20>.
 - [11] A. Sumardiono and E. Alimudin, “Lora Communication Flood Disaster Early Warning System Using Line Of Sight,” *J. Ilm. Elektron. DAN Komput.*, vol. 17, no. 1, pp. 96–102, 2024, doi: <https://doi.org/10.51903/elkom.v17i1.1584> JURNAL.
 - [12] J. Andreas and M. Fathurahman, “Analisis Tingkat Akurasi NEO-6M dengan Google Maps,” *SNIV*, vol. 4, no. 1, pp. 1018–1023, 2025.
 - [13] N. N. Surayana and T. D. Purwanto, “Sistem Pemantauan Pergerakan Dan Kemiringan Tanah Sebagai Peringatan Dini Terhadap Tanah Longsor Berbasis IOT,” *TEKNO*, vol. 20, no. 2, pp. 107–116, 2023.
 - [14] J. I. Lingkungan *et al.*, “Peringatan Dini Tanah Longsor Berdasarkan Kelembaban Tanah Secara Jarak Jauh Menggunakan Sensor FC-28 dan Node MCU,” vol. 18, no. 2, pp. 242–246, 2020, doi: [10.14710/jil.18.2.242-246](https://doi.org/10.14710/jil.18.2.242-246).
 - [15] A. W. Widodo, M. Susanto, and F. X. A. Setyawan, “Landslide Monitoring and Warning System Based on Wireless Sensor Network,” *Tek. Elektro*, vol. 16, no. 2, pp. 116–122, 2024.
 - [16] S. Y. Amarda, A. K. Mahamad, S. D. Prasetyo, and C. Harsito, “LoRaWAN and IoT-Based Landslide Early Warning System,” *ACADlore*, vol. 3, no. 2, pp. 106–122, 2024, doi: <https://doi.org/10.56578/atg030205>.
 - [17] B. Sensortec, “Intelligent 9-axis absolute orientation sensor,” 2016. [Online]. Available: <https://www.bosch-sensortec.com>.
 - [18] D. Won, J. Ahn, S. Sung, M. Heo, S. Im, and Y. J. Lee, “Performance Improvement of Inertial Navigation System by

- Using Magnetometer with Vehicle Dynamic Constraints,” *Trans. Nanjing Univ. Aeronaut. Astronaut.*, vol. 37, pp. 109–114, 2015, doi: 10.1155/2015/435062.
- [19] P. A. Pratama and M. S. Gitakarma, “Implementasi Smart Irrigation System Berbasis Internet Of Things (Iot) Untuk Monitoring Kelembaban Tanah Dan Efisiensi Implementation Of An Internet Of Things (Iot) -Based Smart Irrigation System For Soil Moisture Monitoring And Water Use,” *Komput. dan Teknol. Sains*, vol. 5, no. 1, pp. 10–20, 2026.
 - [20] W. Adikasani, M. I. Ashari, T. N. Malang, J. Raya, K. Km, and K. Lowokwaru, “Smoothing Algorithm Using Sensor Distance on KRSRI ITN Malang Robot with Moving Average Method,” *JEECS*, vol. 10, no. 1, pp. 9–18, 2025.
 - [21] A. Setyawan *et al.*, “Peringatan Dini Tanah Longsor Berdasarkan Kelembaban Tanah Secara Jarak Jauh Menggunakan Sensor Fc-28 Dan Node Mcu,” *Ilmu Lingkung.*, vol. 18, no. 2, pp. 247–251, 2020, doi: 10.14710/jil.18.2.247-251.
 - [22] M. Al and A. Rosyid, “Sistem Monitoring Dan Kendali Alat Pengaturan Budidaya Bibit Cabai Berbasis Website,” vol. 2, no. 2, pp. 32–43, 2022.
 - [23] H. A. Kusuma, Y. Irnawati, F. A. Aflaha, and M. Ridho, “Evaluation of Coordinate Position Precision Using GNSS NEO SERIES and GSM SIM 7000E Modules,” *ISSN*, vol. 8, no. 2, pp. 85–89, 2024.