

DAFTAR PUSTAKA

- [1] H. C. Hardiyatmo, *Mekanika Tanah*. Yogyakarta, Indonesia: Gadjah Mada University Press, 2016.
- [2] A. Hafidz, M. Fauzan, H. Putra, and A. Daniswara, "Analisis perubahan faktor keamanan lereng akibat hujan," *Jurnal Teknik Sipil dan Lingkungan (JSIL)*, vol. 4, no. 3, pp. 169–176, 2019, doi: 10.29244/jsil.4.3.169-176.
- [3] Z. D. Putri, S. Sutoyo, and H. Putra, "Analisis kerawanan longsor dengan aplikasi sistem informasi geografis (SIG) di Kabupaten Padang Pariaman," *Teras Jurnal: Jurnal Teknik Sipil*, vol. 13, no. 2, p. 492, 2023, doi: 10.29103/tj.v13i2.922.
- [4] A. Rosyida, M. Aziz, Y. Firmansyah, T. Setiawan, K. P. Pangesti, and F. K. I., *Data Bencana Indonesia 2023*. Jakarta, Indonesia: Pusat Data Informasi dan Komunikasi Kebencanaan Badan Nasional Penanggulangan Bencana, 2024.
- [5] A. Boceng and R. Anwar, "Identifikasi daerah rawan longsor dengan menggunakan sistem informasi geografis di Kecamatan Mangkutana Kabupaten Luwu Timur," *Jurnal AGrotekMAS*, vol. 3, no. 1, 2022. [Online]. Available: <https://jurnal.fp.umi.ac.id/index.php/agrotekmas>
- [6] A. Setyawan, J. E. Suseno, R. D. Winesthi, and S. A. Otaviana, "Peringatan dini tanah longsor berdasarkan kelembaban tanah secara jarak jauh menggunakan sensor FC-28 dan NodeMCU," *Jurnal Ilmu Lingkungan*, vol. 18, no. 2, pp. 242–246, 2020, doi: 10.14710/jil.18.2.242-246.
- [7] R. M. Utama, I. Sucahyo, and M. Yantidewi, "Rancang bangun alat deteksi tanah longsor berbasis IoT dengan NodeMCU ESP8266 dan MPU6050," *Jurnal Ilmu dan Inovasi Fisika*, vol. 6, no. 2, pp. 137–146, 2022, doi: 10.24198/jiif.v6i2.40054.
- [8] H. Afif, "Rancang bangun sistem monitoring pergerakan tanah menggunakan multi segment inclinometer berbasis accelerometer dan moisture sensor (Studi kasus model lereng)," *Skripsi Sarjana, Institut Teknologi Sepuluh Nopember*, 2019. [Online]. Available: https://repository.its.ac.id/61033/1/03411440000011-Undergraduate_Theses.pdf

- [9] M. W. Nugroho and S. Susilowati, "Pendekatan house of quality (HOQ) terhadap kinerja jalan dengan metode quality function deployment (QFD)," *Briliant: Jurnal Riset dan Konseptual*, vol. 7, no. 3, pp. 785–792, 2022, doi: 10.28926/briliant.v7i3.998.
- [10] DFRobot, "Capacitive soil moisture sensor SKU:SEN0193 capacitive soil moisture sensor," 2020. [Online]. Available: https://media.digikey.com/pdf/data%20sheets/dfrobot%20pdfs/sen0193_web.pdf
- [11] ALLDATASHEETCOM, "BMI160 small, low power inertial measurement unit," 2018. [Online]. Available: <https://www.alldatasheet.com/view.jsp?Searchword=Bmi160>
- [12] Osoyoo, "Osoyoo SX1278 LoRa wireless UART module with antenna 433MHz," Aug. 16, 2018. [Online]. Available: <https://osoyoo.com/2018/08/16/osoyoo-sx1278-lora-wireless-uart-module-with-antenna-433mhz/>
- [13] Espressif Systems, "ESP32 series datasheet," 2022. [Online]. Available: https://www.espressif.com/sites/default/files/documentation/esp32_datasheet_en.pdf
- [14] Universitas Muhammadiyah Yogyakarta, "Apa dan bagaimana sistem kerja panel surya?," 2021. [Online]. Available: <https://elektro.umy.ac.id/apa-dan-bagaimana-sistem-kerja-panel-surya/>
- [15] Panel Surya Jakarta, "Panel surya 20 WP Shinyoku polycrystalline," 2018. [Online]. Available: <https://panelsuryajakarta.com/panel-surya-20-wp-shinyoku-polycrystalline/>
- [16] J. Homepage, A. Roihan, P. Abas Sunarya, and A. S. Rafika, "Pemanfaatan machine learning dalam berbagai bidang: review paper," *IJCIT (Indonesian Journal on Computer and Information Technology)*, vol. 5, no. 1, 2019.
- [17] O. Dwi, S. Uin, M. Malik, and I. Malang, "Analisis SWOT sebagai strategi perusahaan dalam memenangkan persaingan bisnis," 2019.
- [18] V. Yuniarti, E. Yurisinthae, and Maswadi, "Analisis kelayakan finansial usaha sarang burung walet (*Colacallia fuciphaga*) di Kecamatan Matan Hilir Selatan Kabupaten Ketapang," 2013.

- [19] H. H. Hadhiansah, K. Amron, and R. A. Siregar, "Analisis karakteristik transmisi LoRa dalam ruangan," 2023. [Online]. Available: <http://j-ptiik.ub.ac.id>
- [20] R. Kusumo Tejo, D. Putro, T. Baskoro, and B. Barus, "Regresi logistik biner dan rasional untuk analisis bahaya tanah longsor di Kabupaten Cianjur," *J. Il. Tan. Lingk.*, vol. 18, no. 1, pp. 35–41, 2016.
- [21] M. C. L. da Silva, D. H. de M. Marques, D. C. G. Valadares, and A. A. Ferreira, "Assessment of LoRa signal strength in a building environment," *Preprints*, Aug. 2024, doi: 10.20944/preprints202408.0663.v1.
- [22] M. J. B. Alam, L. S. Manzano, R. Debnath, and A. A. Ahmed, "Monitoring slope movement and soil hydrologic behavior using IoT and AI technologies: A systematic review," *Hydrology*, vol. 11, no. 8, p. 111, Jul. 2024, doi: 10.3390/hydrology11080111.
- [23] E. Susanto, F. Budiman, D. P. Husneni Mukhtar, and M. H. Latief, "Slope, humidity and vibration sensors performance for landslide monitoring system," in *Proc. 2019 Asia Pacific Wireless and Mobile Symposium (APWiMob)*, Nov. 2019, doi: 10.1109/APWiMob48441.2019.8964155.
- [24] M. V. Prodan, J. Peranić, S. Pajalić, and Ž. Arbanas, "Physical modelling of rainfall-induced sandy and clay-like slope failures," *Advances in Materials Science and Engineering*, vol. 2023, Feb. 2023, Art. no. 3234542, doi: 10.1155/2023/3234542.