

DAFTAR PUSTAKA

- Akhyar, Away, Y. and Adria, A. (2022) 'Desain Data Logger Sinar Ultraviolet Berbasis Internet of Thing (IoT)', *KITEKTRO: Jurnal Online Teknik Elektro*, 7, p. 15.
- Alfandi, Mhd., Pristiwanto, P. and Sihite, A.M.H. (2023) 'Penerapan Metode CNN-LSTM Dalam Memprediksi Hujan Pada Wilayah Medan', *KOMIK (Konferensi Nasional Teknologi Informasi dan Komputer)*, 6(1), pp. 490–499. Available at: <https://doi.org/10.30865/komik.v6i1.5713>.
- Amal, I. (2023) Aplikasi Pendeteksi Berita Palsu Bahasa Indonesia Menggunakan Framework Flask dan Streamlit serta Algoritma Machine Learning. Skripsi. Universitas Muhammadiyah Surakarta. Available at: <https://eprints.ums.ac.id/116531/>
- Aulia, G., Meitania Utami, S., Dwi Pratiwi, R., Andriati, R., Adi Ismaya, N., Ayuningtyas, G., Purnama Sari Indah, F., Puspitasari, M., Rahmah Fahriati, A., Septyana Putri, A., Hasanah, N., Dwi Kristiyowati, A., Rahayu, S., Satria, G., Lia Puspita, A., Maharani, N. and Sayyid Zaky Hernawan (2024) 'Edukasi Tentang Bahaya Sinar Uv Dan Pentingnya Penggunaan Sunscreen Education About The Dangers Of Uv Rays And The Importance Of Using Sunscreen', *Jurnal Abdi Masyarakat*, 5(1), pp. 306–312. Available at: <http://openjournal.wdh.ac.id/index.php/JAM/article/view/786/569> (Accessed: 9 October 2024).
- BMKG (2020) Indeks Sinar Ultraviolet (UV) | BMKG. Available at: <https://www.bmkg.go.id/kualitas-udara/indeks-uv.bmkg> (Accessed: 9 October 2024).
- BMKG [@infobmkg]. (2025). Indeks Ultraviolet Sinar Matahari wilayah Indonesia untuk prediksi Januari 2025. Instagram. https://www.instagram.com/infobmkg?utm_source=ig_web_button_share_sheet&igsh=ZDNIZDc0MzIxNw==
- Carnegie, M.D.A. and Chairani, C. (2023) 'Perbandingan Long Short-Term Memory (LSTM) dan Gated Recurrent Unit (GRU) Untuk Memprediksi Curah Hujan', *JURNAL MEDIA INFORMATIKA BUDIDARMA*, 7(3), p. 1022. Available at: <https://doi.org/10.30865/mib.v7i3.6213>.
- Dankan Gowda, V., Prasad, V.N., Prasad, K.D.V., Prasad, V.K.S., Mahajan, Y. and Suneetha, S. (2023) 'A Cloud-Based UV Monitoring System for Remote Real-Time UV Exposure Tracking', in *Proceedings of the 4th International Conference on Smart Electronics and Communication, ICOSEC 2023*. Institute of Electrical and Electronics Engineers Inc., pp. 1764–1770. Available at: <https://doi.org/10.1109/ICOSEC58147.2023.10276360>.
- Febriyanti Triana, Sukohar Asep, Pardilawati Citra Yuliyanda and Adjeng Andi Nafisah Tendri (2024) 'View of Testing the Anti-Aging Effects of Various Plant Extracts In Vivo And In Vitro', 14, pp. 593–601. Available at:

<http://www.journalofmedula.com/index.php/medula/article/view/1041/814>
(Accessed: 9 August 2024).

- Gupta, A., Stead, T. S., & Ganti, L. (2024). *Determining a meaningful R-squared value in clinical medicine*. *Academic Medicine & Surgery*. <https://doi.org/10.62186/001c.125154>
- Hamdanah, F.H. and Fitriana, D. (2021) 'Analisis Performansi Algoritma Linear Regression dengan Generalized Linear Model untuk Prediksi Penjualan pada Usaha Mikro, Kecil, dan Menengah', *Jurnal Nasional Pendidikan Teknik Informatika (JANAPATI)*, 10(1), p. 23. Available at: <https://doi.org/10.23887/janapati.v10i1.31035>.
- Irfandi, M.F. (2024) 'Penerapan JST Untuk Prakiraan Cuaca di Wilayah Kota Blitar Menggunakan Metode Algoritma Hopfield', *ZETROEM*, 06(1), pp. 18–21. Available at: <https://doi.org/https://doi.org/10.36526/ztr.v6i1.3252>.
- Jauhari, N.M.I., Wulanningrum, R. and Setiawan, A.B. (2024) 'View of Sistem Deteksi Kendaraan Menggunakan StreamLit Metode Yolo', 8. Available at: <https://proceeding.unpkediri.ac.id/index.php/inotek> (Accessed: 12 March 2025).
- Kholifatullah, B, A, H. and Prihanto, A. (2023) 'Penerapan Metode Long Short-Term Memory Untuk Klasifikasi Pada Hate Speech', *Journal of Informatics and Computer Science*, 04.
- LAPIS Semiconductor Co., Ltd. (2014) ML8511 UV Sensor IC for UV-A and UV-B. Datasheet. Available at: https://cdn.sparkfun.com/datasheets/Sensors/LightImaging/ML8511_3-8-13.pdf
- Lawrynowicz, A., Vuori, S., Palo, E., Winther, M., Lastusaari, M. and Miettunen, K. (2024) 'Transforming fabrics into UV-sensing wearables: A photochromic hackmanite coating for repeatable detection', *Chemical Engineering Journal*, 494. Available at: <https://doi.org/10.1016/j.cej.2024.153069>.
- Lee, J., Kumar, N., Patel, M., Ghosh, S. and Kim, J. (2023) 'Transparent metal-oxide personal UV monitoring device with machine learning advancement', *Sensors and Actuators A: Physical*, 362, p. 114627. Available at: <https://doi.org/10.1016/J.SNA.2023.114627>.
- Luccini, E., Orte, F., Lell, J., Nollas, F., Carbajal, G. and Wolfram, E. (2023) 'The UV Index color palette revisited', *Journal of Photochemistry and Photobiology*, 15. Available at: <https://doi.org/10.1016/j.jpap.2023.100180>.
- Marbun, F.K., Tarigan, S.B. and Sudarti, S. (2023) 'Tinjauan Analisis Manfaat dan Dampak Sinar Ultraviolet Terhadap Kesehatan Manusia', *Jurnal Penelitian Inovatif*, 3(3), pp. 605–612. Available at: <https://doi.org/10.54082/jupin.235>.

- Mischianti, R. (2021) *DOIT ESP32 DEV KIT v1: high resolution pinout and specs*. Available at: <https://mischianti.org/doit-esp32-dev-kit-v1-high-resolution-pinout-and-specs/> (Accessed: 7 April 2025).
- Parida, B.R. and Bayriganjan, B.C. (2019) ‘Eco-Friendly Predictive Agriculture Utilizing IoT and Cloud Computing’, *ALOCHANA JOURNAL*, 8(1). Available at: https://alochana.org/wp-content/uploads/7_AJ.pdf (Accessed: 9 October 2024).
- Prafanto, A., Budiman, E., Widagdo, P.P., Putra, G.M. and Wardhana, R. (2021) ‘Pendeteksi Kehadiran menggunakan ESP32 untuk Sistem Pengunci Pintu Otomatis’, *JTT (Jurnal Teknologi Terapan)*, 7(1), p. 37. Available at: <https://doi.org/10.31884/JTT.V7I1.318>.
- Putranto, A., Azizah, N.L., Ratna, I., Astutik, I., Sains, F. and Teknologi, D. (2023) *Sistem Prediksi Penyakit Jantung Berbasis Web Menggunakan Metode SVM dan Framework Streamlit*. Available at: <https://tunasbangsa.ac.id/pkm/index.php/kesatria/article/view/180> (Accessed: 5 April 2025).
- Rezza, M., Ismail Yusuf, M. and Yacoub, R.R. (2024) ‘Prediksi Radiasi Surya Menggunakan Metode Long Short-Term Memory’, *ILKOMNIKA: Journal of Computer Science and Applied Informatics*, 6(1), pp. 33–44. Available at: <https://doi.org/10.28926/ilkomnika.v6i1.571>.
- Satyaputra, I.B.W.K., Napitupulu, H. and Gusriani, N. (2024) ‘Peramalan Indeks Ultraviolet di Kota Bandung Menggunakan Metode Long Short-Term Memory’, *Jurnal Matematika Integratif*, 20(2), pp. 249–258. Available at: <https://doi.org/10.24198/jmi.v20.n2.58798.249-258>.
- Serrano, A., Abril-Gago, J. and García-Orellana, C.J. (2022) ‘Development of a Low-Cost Device for Measuring Ultraviolet Solar Radiation’, *Frontiers in Environmental Science*, 9. Available at: <https://doi.org/10.3389/fenvs.2021.737875>.
- Sianturi, Y. and Simbolon, C.M. (2021) ‘Pengukuran dan Analisa Data Radiasi Matahari di Stasiun Klimatologi Muaro Jambi’, *Megasains*, 12(1), pp. 40–47. Available at: <https://doi.org/10.46824/megasains.v12i1.45>.
- Siswono, G.O., Lina, Y.A. and Pricila, V. (2023) ‘The Application of the Long-Short Term Memory (LSTM) Forecasting Method on the Impact of Tropical Cyclones in Indonesia’, *Jurnal Matematika, Statistika dan Komputasi*, 20(1), pp. 294–300. Available at: <https://doi.org/10.20956/j.v20i1.27151>.
- Supriyadi, E. (2019) *Prediksi Parameter Cuaca Menggunakan Deep Learning Long-Short Term Memory (Lstm) Weather Parameters Prediction Using Deep Learning Long-Short Term Memory (LSTM)*. Available at: <https://doi.org/10.31172/jmg.v21i2.619> (Accessed: 5 April 2025).
- Wicaksono, R., Dedy Irawan, J. and Wibowo, S.A. (2023) Sistem Peramalan Curah Hujan Menggunakan Metode Regresi Linier Berganda Berbasis Iot, *Jurnal*

- Mahasiswa Teknik Informatika. 7(4). Available at: <https://doi.org/10.36040/jati.v7i4.7350> (Accessed: 8 April 2025).
- Wijayadi, L.Y., Kurniawan, J. and Satyanegara, W.G. (2024) 'Penyuluhan Dan Pemeriksaan Untuk Mencegah Kerusakan Kulit Akibat Paparan Sinar Matahari', *Communnity Development Journal*, 5(2), pp. 3451–457. Available at: <https://journal.universitaspahlawan.ac.id/index.php/cdj/article/view/26453/18997> (Accessed: 9 October 2024).
- Wiranda, L. and Sadikin, M. (2019) *Penerapan Long Short-Term Memory Pada Data Time Series Untuk Memprediksi Penjualan Produk Pt. Metiska Farma*. Jakarta
- Yashwanth, K. and Soni, B. (2024) 'Encoder-Decoder Architectures based Video Summarization using Key-Shot Selection Model', *Multimedia Tools and Applications*, 83(11), pp. 31395–31415. Available at: <https://doi.org/10.1007/s11042-023-16700-3>.