

## DAFTAR PUSTAKA

- Abdulazeez, A. M., Salim, B. W., Zeebaree, D. Q., & Doghramachi, D. (2020). Comparison of VPN Protocols at Network Layer Focusing on Wire Guard Protocol. *International Journal of Interactive Mobile Technologies*, 14(18), 157–177. <https://doi.org/10.3991/ijim.v14i18.16507>
- Abrori, S. Z. (2019). *KONSEP HUJAN DALAM AL-QUR'AN DAN RELEVANSINYA DALAM PELESTARIAN LINGKUNGAN (Studi Tafsir Tematik)*. INSTITUT AGAMA ISLAM NEGERI (IAIN) PONOROGO.
- Acharya, M. S., Armaan, A., & Antony, A. S. (2019, February 1). A comparison of regression models for prediction of graduate admissions. *ICCIDS 2019 - 2nd International Conference on Computational Intelligence in Data Science, Proceedings*. <https://doi.org/10.1109/ICCIDS.2019.8862140>
- Ahmad, W., Ahmad, A., Ostrowski, K. A., Aslam, F., Joyklad, P., & Zajdel, P. (2021). Application of advanced machine learning approaches to predict the compressive strength of concrete containing supplementary cementitious materials. *Materials*, 14(19), 4. <https://doi.org/10.3390/ma14195762>
- Anggoro, M. D., & Pramujo, B. (2017). KAJIAN WAKTU HIDUP DAN PERGERAKAN AWAN KONVEKTIF BERBASIS CITRA RADAR DAN MODEL ECMWF. In *Jurnal Meteorologi Klimatologi dan Geofisika* (Vol. 4, Issue 3).
- Arifin, Z., & Rahadian, H. (2017). RANCANG BANGUN STAND-ALONE AUTOMATIC RAIN GAUGE (ARG) BERBASIS PANEL SURYA. *Jurnal Nasional Teknik Elektro*, 6(3), 178. <https://doi.org/10.20449/jnte.v6i3.440>
- Babaeian, E., Sadeghi, M., Jones, S. B., Montzka, C., Vereecken, H., & Tuller, M. (2019). Ground, Proximal, and Satellite Remote Sensing of Soil Moisture. In *Reviews of Geophysics* (Vol. 57, Issue 2, pp. 530–616). Blackwell Publishing Ltd. <https://doi.org/10.1029/2018RG000618>
- Bayissa, Y., Tadesse, T., Demisse, G., & Shiferaw, A. (2017). Evaluation of satellite-based rainfall estimates and application to monitor meteorological drought for the Upper Blue Nile Basin, Ethiopia. *Remote Sensing*, 9(7), 10. <https://doi.org/10.3390/rs9070669>
- Bessho, K., Date, K., Hayashi, M., Ikeda, A., Imai, T., Inoue, H., Kumagai, Y., Miyakawa, T., Murata, H., Ohno, T., Okuyama, A., Oyama, R., Sasaki, Y., Shimazu, Y., Shimoji, K., Sumida, Y., Suzuki, M., Taniguchi, H., Tsuchiyama, H., ... Yoshida, R. (2016). An introduction to Himawari-8/9 — Japan's new-generation geostationary meteorological

- satellites. *Journal of the Meteorological Society of Japan*, 94(2), 152. <https://doi.org/10.2151/jmsj.2016-009>
- Bieliński, T. (2020). A parallax shift effect correction based on cloud height for geostationary satellites and radar observations. *Remote Sensing*, 12(3), 2. <https://doi.org/10.3390/rs12030365>
- Bojinski, S., Verstraete, M., Peterson, T. C., Richter, C., Simmons, A., & Zemp, M. (2014). The concept of essential climate variables in support of climate research, applications, and policy. *Bulletin of the American Meteorological Society*, 95(9), 1431–1443. <https://doi.org/10.1175/BAMS-D-13-00047.1>
- Chicco, D., Warrens, M. J., & Jurman, G. (2021). The coefficient of determination R-squared is more informative than SMAPE, MAE, MAPE, MSE and RMSE in regression analysis evaluation. *PeerJ Computer Science*, 7, 1–24. <https://doi.org/10.7717/PEERJ-CS.623>
- Christian, Y. (2019). Comparison of Machine Learning Algorithms Using WEKA and Sci-Kit Learn in Classifying Online Shopper Intention. *Journal of Information Technology Education: Research*, 3(1), 58–66. <https://doi.org/10.31289/JITE.V3I1.2599>
- di Michele, S., McNally, T., Bauer, P., & Genkova, I. (2013). Quality assessment of cloud-top height estimates from satellite IR radiances using the CALIPSO lidar. *IEEE Transactions on Geoscience and Remote Sensing*, 51(4), 2454–2464. <https://doi.org/10.1109/TGRS.2012.2210721>
- Dwi Tungga Trisanti, D., & Sudarti. (2021). Analisis Kemampuan Multirepresentasi Verbal dan Tabel Tentang Konsep Spektrum Gelombang Elektromagnetik pada Mahasiswa Fisika. *Pancasakti Science Education Journal PSEJ*, 6(2), 46–51. <https://doi.org/10.24905/psej.v6i2.38>
- F. Seber, G. A., & Lee, A. J. (2012). *Linear Regression Analysis* (Vol. 329).
- Feronica Manik, D., Hertiani, T., Anshory, H., & Mada, G. (2014). ANALISIS KORELASI ANTARA KADAR FLAVONOID DENGAN AKTIVITAS ANTIBAKTERI EKSTRAK ETANOL DAN FRAKSI-FRAKSI DAUN KERSEN (*Muntingia calabura L.*) TERHADAP *Staphylococcus aureus*. *KHAZANAH*, 6(2), 3.
- Frantz, D., Haß, E., Uhl, A., Stoffels, J., & Hill, J. (2018). Improvement of the Fmask algorithm for Sentinel-2 images: Separating clouds from bright surfaces based on parallax effects. *Remote Sensing of Environment*, 215, 471–481. <https://doi.org/10.1016/j.rse.2018.04.046>
- Georgiou, C. D., Kalaitzopoulou, E., Skipitari, M., Papadea, P., Varemменou, A., Gavriil, V., Sarantopoulou, E., Kollia, Z., & Cefalas, A.-C. (2022).

Physical Differences between Man-Made and Cosmic Microwave Electromagnetic Radiation and Their Exposure Limits, and Radiofrequencies as Generators of Biotoxic Free Radicals. *Radiation*, 2(4), 285–302. <https://doi.org/10.3390/radiation2040022>

Géron, A. (2019). *Hands-on Machine Learning with Scikit-Learn, Keras, and TensorFlow Concepts, Tools, and Techniques to Build Intelligent Systems SECOND EDITION* (Second Edition). O'Reilly Media, Inc.

Giyanda, G., & Saidah, S. (2021). Auto Machine Learning dengan Menggunakan H2O AutoML untuk Prediksi Harga Bitcoin. *Jurnal Ilmiah Komputasi*, 20(2). <https://doi.org/10.32409/jikstik.20.2.2738>

Goia, A., May, C., & Fusai, G. (2010). Functional clustering and linear regression for peak load forecasting. *International Journal of Forecasting*, 26(4), 700–711. <https://doi.org/10.1016/j.ijforecast.2009.05.015>

Hamann, U., Walther, A., Baum, B., Bennartz, R., Bugliaro, L., Derrien, M., Francis, P. N., Heidinger, A., Joro, S., Kniffka, A., le Gléau, H., Lockhoff, M., Lutz, H. J., Meirink, J. F., Minnis, P., Palikonda, R., Roebeling, R., Thoss, A., Platnick, S., ... Wind, G. (2014). Remote sensing of cloud top pressure/height from SEVIRI: Analysis of ten current retrieval algorithms. *Atmospheric Measurement Techniques*, 7(9), 2839–2867. <https://doi.org/10.5194/amt-7-2839-2014>

Hanifah, A., & Enderwin. (2011). ANALISIS INTENSITAS CURAH HUJAN WILAYAH BANDUNG PADA AWAL 2010. *JURNAL METEOROLOGI DAN GEOFISIKA*, 12(2), 143.

Hong, Y., Tang, G., Ma, Y., Huang, Q., Han, Z., Zeng, Z., Yang, Y., Wang, C., & Guo, X. (2019). *Remote Sensing Precipitation: Sensors, Retrievals, Validations, and Applications* (pp. 107–128). [https://doi.org/10.1007/978-3-662-48297-1\\_4](https://doi.org/10.1007/978-3-662-48297-1_4)

Indradjad, A., Pratiknyo, B., Sugiyanto, A. M., & Gunawan, H. (2016). STUDY OF DEVELOPMENT AND UPGRADING REMOTE SENSING GROUND STATION SYSTEM FOR RECEIVING SATELLITE HIMAWARI 8 IN LAPAN PEKAYON. *ICOIRS: The 2nd International Conference of Indonesian Society for Remote Sensing Remote Sensing for a Better Governance*, 44–45.

Iqbal, M., & Karya, G. (2012). SISTEM INFORMASI GEOGRAFIS FASILITAS UMUM DAN SOSIAL DI KABUPATEN SERANG MENGGUNAKAN MAPSERVER DAN MYSQL SPASIAL. *Jurnal Nasional Pendidikan Teknik Informatika (JANAPATI)*, 1(3), 203.

Isya, M., Fatimah, E., Kuala, S., & Aceh, B. (2018). ANALISIS KETERSEDIAAN JALUR EVAKUASI BENCANA TSUNAMI DI

KECAMATAN KUTA ALAM KOTA BANDA ACEH (STUDI KASUS LAMPULO, KAMPUNG MULIA, LAMDINGIN ). *Jurnal Arsip Rekayasa Sipil Dan Perencanaan*, 1(3), 104–112. <https://doi.org/10.24815/jarsp.v1i1.11774>

Jandieri, G., Ishimaru, A., Rawat, B., & Tugushi, N. (2022). Temporal Spectrum of a Scattered Electromagnetic Waves in the Conductive Collision Turbulent Magnetized Plasma. *Advanced Electromagnetics Journal*, 11(1), 1–8.

Khair, U., Fahmi, H., Hakim, S. al, & Rahim, R. (2017). Forecasting Error Calculation with Mean Absolute Deviation and Mean Absolute Percentage Error. *Journal of Physics: Conference Series*, 930(1). <https://doi.org/10.1088/1742-6596/930/1/012002>

Khlopenkov, K. v., Bedka, K. M., Cooney, J. W., & Itterly, K. (2021). Recent Advances in Detection of Overshooting Cloud Tops From Longwave Infrared Satellite Imagery. *Journal of Geophysical Research: Atmospheres*, 126(14). <https://doi.org/10.1029/2020JD034359>

Kholiviana, P. A., Ruhiat, Y., & Saefullah, A. (2022). ANALISIS VERTICAL WIND SHEAR PADA PERTUMBUHAN AWAN CUMULONIMBUS DI WILAYAH KABUPATEN TANGERANG. *Newton-Maxwell Journal of Physics*, 3(1), 18. <https://www.ejournal.unib.ac.id/index.php/nmj>

Khomarudin, M. R. (2021). *IPTEK PENGINDERAAN JAUH UNTUK MENINGKATKAN KUALITAS DETEKSIPERMASALAHAN LINGKUNGAN DALAM Mendukung MITIGASI BENCANA DI INDONESIA* (R. Wahyu & M. W. Fathurrohman, Eds.). BRIN.

Khoshnoud, F., Quadrelli, M. B., Esat, I. I., & Robinson, D. (2020). *Quantum Cooperative Robotics and Autonomy*.

Klein, C., Belušić, D., & Taylor, C. M. (2018). Wavelet Scale Analysis of Mesoscale Convective Systems for Detecting Deep Convection From Infrared Imagery. *Journal of Geophysical Research: Atmospheres*, 123(6), 3035–3050. <https://doi.org/10.1002/2017JD027432>

Kurniawan, A. (2020). Evaluasi Pengukuran Curah Hujan Antara Hasil Pengukuran Permukaan (AWS, HELLMAN, OBS) dan Hasil Estimasi (Citra Satelit =GSMaP) Di Stasiun Klimatologi Mlati Tahun 2018. *Jurnal Geografi, Edukasi Dan Lingkungan (JGEL)*, 4(1), 1–7. <https://doi.org/10.29405/jgel.v4i1.3797>

KURNIAWAN, M. I., SUNARYA, U., & TULLOH, R. (2018). Internet of Things : Sistem Keamanan Rumah berbasis Raspberry Pi dan Telegram Messenger. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, 6(1), 4. <https://doi.org/10.26760/elkomika.v6i1.1>

- Kushardono, D. (2012). Kajian Satelit Penginderaan Jauh Cuaca Generasi Baru Himawari 8 dan 9. *Pusat Teknologi Dan Data Penginderaan Jauh – Lembaga Penerbangan Dan Antariksa Nasional*, 3(5), 48.
- Lima, C. B., Prijith, S. S., Sesa Sai, M. V. R., Rao, P. V. N., Niranjan, K., & Ramana, M. v. (2019). Retrieval and validation of cloud top temperature from the geostationary satellite INSAT-3D. *Remote Sensing*, 11(23), 19–21. <https://doi.org/10.3390/rs11232811>
- Lukiawan, R., Purwanto, H., & Ayundyahrini, M. (2019). STANDAR KOREKSI GEOMETRIK CITRA SATELIT RESOLUSI MENENGAH DAN MANFAAT BAGI PENGGUNA. *Jurnal Standardisasi*, 21(1), 49.
- Mahabub, A., Sultan, A.-Z., & Habib, B. (2019). *An Overview of Weather Forecasting for Bangladesh Using Machine Learning Techniques*.
- Markovics, D., & Mayer, M. J. (2022). Comparison of machine learning methods for photovoltaic power forecasting based on numerical weather prediction. *Renewable and Sustainable Energy Reviews*, 161, 1–17. <https://doi.org/10.1016/j.rser.2022.112364>
- Maulidani S, S., Ihsan, N., & Sulistyawati. (2015). ANALISIS POLA DAN INTENSITAS CURAH HUJAN BERDASAKAN DATA OBSERVASI DAN SATELIT TROPICAL RAINFALL MEASURING MISSIONS (TRMM) 3B42 V7 DI MAKASSAR. *JURNAL SAINS DAN PENDIDIKAN FISIKA (JSPF)*, 11(1), 99.
- Maulud, D., & Abdulazeez, A. M. (2020). A Review on Linear Regression Comprehensive in Machine Learning. *Journal of Applied Science and Technology Trends*, 1(4), 140–147. <https://doi.org/10.38094/jastt1457>
- Miftahuddin, Pratama, A., & Setiawan, I. (2021). Analisis Hubungan Antara Kelembaban Relatif Dengan Beberapa Variabel Iklim Dengan Pendekatan Korelasi Pearson Di Samudera Hindia. *Jurnal Siger Matematika*, 02(01), 27.
- Miller, S. D., Rogers, M. A., Haynes, J. M., Sengupta, M., & Heidinger, A. K. (2017). *Short-Term Solar Irradiance Forecasting via Satellite/Model Coupling*.
- Muharsyah, R., & Fitrianti, N. (2020). POLA SPASIAL DAN TEMPORAL JENIS AWAN DI SELATAN INDONESIA BERDASARKAN KANAL IR1 HIMAWARI-8 PADA PERIODE MUSIM HUJAN Spatial and Temporal Pattern of Cloud Types in Southern Indonesia based on HIMAWARI-8 IR1-Band during Rainy Season. In *Jurnal Sains & Teknologi Modifikasi Cuaca* (Vol. 21, Issue 1). <http://www.data.jma.go.jp/mscweb/en/VRL/VLab>

- Mulyono, D. (2014). ANALISIS KARAKTERISTIK CURAH HUJAN DI WILAYAH KABUPATEN GARUT SELATAN. *Jurnal Konstruksi Sekolah Tinggi Teknologi Garut*, 13(1), 3. <http://jurnal.sttgarut.ac.id>
- Nugraha, M. R., & Krisnadi, I. (2019). Penerapan Kebijakan Pengamatan Cuaca Otomatis dengan Automatic Weather Observation System (AWOS). *Jakarta: Universitas Mercu Buana*, 4–8.
- Nurasniyati, Muliadi, & Adriat, R. (2018). Estimasi Curah Hujan di Kota Pontianak Berdasarkan Suhu, Ketebalanan Tekanan Puncak Awan. *PRISMA FISIKA*, 6(3), 185–189.
- Pandu Gunawan, M. B. (2021). ANALISIS KORELASI DATA HUJAN TERUKUR OTOMATIS STASIUN KENTENG DAS PROGO DENGAN HUJAN SATELIT PERSIANN. UNIVERSITAS ISLAM INDONESIA YOGYAKARTA.
- Patou, M., Vidot, J., Riédi, J., Penide, G., & Garrett, T. J. (2018). Prediction of the onset of heavy rain using SEVIRI cloud observations. *Journal of Applied Meteorology and Climatology*, 57(10), 2343–2361. <https://doi.org/10.1175/JAMC-D-17-0352.1>
- Permatasari, S. N., & Kuswendi, U. (2021). PEMBELAJARAN MATERI LETAK ASTRONOMIS PADA SISWA KELAS V DENGAN MENGGUNAKAN METODE MIND MAPPING BERBANTUAN MEDIA GLOBE DAN ATLAS. *COLLASE Journal of Elementary Education*, 04, 3.
- Pertiwi, B. D. (2018). ANALISIS KARAKTERISTIK AWAN CUMULONIMBUS MENGGUNAKAN CITRA SATELIT DAN DATA CUACA PERMUKAAN WILAYAH BANYUWANGI (Studi Kasus di Stasiun Meteorologi Kelas III BMKG Banyuwangi) [Tugas Akhir]. Universitas Negeri Yogyakarta.
- Populasi, C. S., Palloan, P., & Ihsan, N. (2012). STUDI TENTANG KOMPARASI DATA TEKanan UDARA PADA BAROMETER DIGITAL DAN AUTOMATIC WEATHER SISTEM (AWOS) DI STASIUN METEOROLOGI HASANUDDIN MAKASSAR. *Jurnal Sains Dan Pendidikan Fisika*, 8(3), 297–302.
- Prabakaran, S., Kumar, P. N., Sai, P., & Tarun, M. (2017). RAINFALL PREDICTION USING MODIFIED LINEAR REGRESSION. *ARNP: Journal of Engineering and Applied Sciences*, 12(12), 3717. [www.arnpjournals.com](http://www.arnpjournals.com)
- Prasetya, D. A., & Nurviyanto, I. (2012). DETEKSI WAJAH METODE VIOLA JONES PADA OPENCV MENGGUNAKAN PEMROGRAMAN PYTHON. *Simposium Nasional RAPI XI FT UMS*, 18.

- Prawaka, F., Zakaria, A., & Tugiono, S. (2016). Analisis Data Curah Hujan yang Hilang Dengan Menggunakan Metode Normal Ratio, Inversed Square Distance, dan Rata-Rata Aljabar (Studi Kasus Curah Hujan Beberapa Stasiun Hujan Daerah Bandar Lampung). *JRSDD*, 4(3), 387–388.
- Primohadi Syahputra, B., & Mulya, A. (2022). ANALISIS KORELASI RANK SPEARMAN & REGRESI LINEAR NILAI INDEKS STABILITAS ATMOSFER DAN SUHU PUNCAK AWAN CITRA SATELIT HIMAWARI-8 IR (STUDI KASUS BANJIR PEKANBARU 22 APRIL 2021). *Prosiding Seminar Nasional MIPA UNIBA*, 296–300. <https://cds.climate.copernicus.eu/cdsapp#!/d>
- Putra, R. M., Saputro, A. H., Arazak, L., & Kharisma, S. (2019). Automatic detection of volcanic ash from Himawari-8 satellite using artificial neural network. *AIP Conference Proceedings*, 2202, 2. <https://doi.org/10.1063/1.5141725>
- Ridho, M., & Jazman, M. (2018). Sistem Informasi Geografis Kesuburan Perairan Dengan Menggunakan Citra Satelit Landsat 8. *Seminar Nasional Inovasi, Teknologi Dan Aplikasi (SenITiA)*, 54.
- Saraswati, P. (2017). *ANALISIS DAN KONTROL OPTIMAL SISTEM GERAK SATELIT MENGGUNAKAN PRINSIP MINIMUM PONTRYAGIN* [Tugas Akhir]. Institut Teknologi Sepuluh Nopember.
- Seniari, N. M., & Dharma, B. W. (2020). PENYULUHAN BAHAYA RADIASI GELOMBANG ELEKTROMAGNETIK PADA ORGAN TUBUH MAHLUK HIDUP DI KELURAHAN PAGUTAN BARATMATARAM. *Prosiding PEPADU*, 231.
- Sensuse, D. I., Cahyaningsih, E., & Wibowo, W. C. (2015). Identifying Knowledge Management Process of Indonesian Government Human Capital Management Using Analytical Hierarchy Process and Pearson Correlation Analysis. *Procedia Computer Science*, 72, 237. <https://doi.org/10.1016/j.procs.2015.12.136>
- Sheffield, J., Wood, E. F., Pan, M., Beck, H., Coccia, G., Serrat-Capdevila, A., & Verbist, K. (2018). Satellite Remote Sensing for Water Resources Management: Potential for Supporting Sustainable Development in Data-Poor Regions. In *Water Resources Research* (Vol. 54, Issue 12, pp. 9724–9758). Blackwell Publishing Ltd. <https://doi.org/10.1029/2017WR022437>
- Simanjuntak, F., Jamaluddin, I., Lin, T. H., Siahaan, H. A. W., & Chen, Y. N. (2022). Rainfall Forecast Using Machine Learning with High Spatiotemporal Satellite Imagery Every 10 Minutes. *Remote Sensing*, 14(23). <https://doi.org/10.3390/rs14235950>

- Sitepu, F., Selintung, M., & Harianto, T. (2017). Pengaruh Intensitas Curah Hujan dan Kemiringan Lereng Terhadap Erosi Yang Berpotensi Longsor. *Jurnal Penelitian Enjiniring*, 21(1), 23–27. <https://doi.org/10.25042/jpe.052017.03>
- Sreehari, E., & Pradeep Ghantasala, G. S. (2019). Climate changes prediction using simple linear regression. *Journal of Computational and Theoretical Nanoscience*, 16(2), 655–658. <https://doi.org/10.1166/jctn.2019.7785>
- Subiakto, T., & Sahri, N. A. (2020). MENKAKI CARA KERJA PENAKAR CURAH HUJAN DIGITAL PADA ALAT AUTOMATIC WEATHER STATION (AWS) DI LAPAN PASURUAN. *Seminar Nasional Pendidikan Biologi Dan Saintek (SNPBS)*, 5, 450.
- Suwargana, N. (2013). RESOLUSI SPASIAL, TEMPORAL DAN SPEKTRAL PADA CITRA SATELIT LANDSAT, SPOT DAN IKONOS. *Jurnal Ilmiah WIDYA*, 1(2), 171.
- Swamardika, I. B. A. (2009). PENGARUH RADIASI GELOMBANG ELEKTROMAGNETIK TERHADAP KESEHATAN MANUSIA (Suatu Kajian Pustaka). In *Pengaruh Radiasi Gelombang ... I.B. Alit Swamardika Teknologi Elektro* (Vol. 8).
- Syafira, S. A., Zahroh, N. F., Dewi, S., & Renggono, F. (2021). KARAKTERISTIK BUTIR AIR HUJAN PERMUKAAN DAN LAPISAN ATAS ATMOSFER PADA PUNCAK MUSIM HUJAN DI TANGERANG SELATAN. *Jurnal Sains & Teknologi Modifikasi Cuaca*, 22(1), 9–16. <https://doi.org/10.29122/jstmc.v22i1.4432>
- Tanesib, J., & Warsito, A. (2018). PEMETAAN DAERAH RAWAN BANJIR DENGAN PENGINDERAAN JAUH DAN SISTEM INFORMASI GEOGRAFIS DI KECAMATAN KUPANG TIMUR KABUPATEN KUPANG PROVINSI NUSA TENGGARA TIMUR. *Jurnal Fisika: Fisika Dan Aplikasinya*, 3(1), 75.
- Taylor, C. M., Belusic, D., Guichard, F., Parker, D. J., Vischel, T., Bock, O., Harris, P. P., Janicot, S., Klein, C., & Panthou, G. (2017). Frequency of extreme Sahelian storms tripled since 1982 in satellite observations. *Nature*, 544(7651), 475–478. <https://doi.org/10.1038/nature22069>
- Theobald, O. (2017). *Machine Learning For Absolute Beginners* (Second Edition).
- Tomo, A. W. (2020). *PERANCANGAN PENGGERAK PANEL SURYA BERBASIS MIKROKONTROLLER ATMEGA 32A TERHADAP PERPUTARAN WAKTU / JAM* [Tugas Akhir]. Universitas Muhammadiyah Sumatera Utara.
- Toruan, K. L. (2009). *AUTOMATIC WEATHER STATION (AWS) BERBASIS MIKROKONTROLER*. Universitas Indonesia.



- Trian Setyawan dan Suryono, H. (2014). UJI RESOLUSI SPASIAL PADA PERANGKAT LUNAK COMPUTED RADIOGRAPHY MENGGUNAKAN PENGOLAHAN CITRA DIGITAL. In *Youngster Physics Journal* (Vol. 3, Issue 4).
- Wang, C., Luo, Z. J., & Huang, X. (2011). Parallax correction in collocating CloudSat and Moderate Resolution Imaging Spectroradiometer (MODIS) observations: Method and application to convection study. *Journal of Geophysical Research Atmospheres*, 116(17). <https://doi.org/10.1029/2011JD016097>
- Wardani, D., Sulisty, S., & Mustika, I. W. (2018). The Blueprint of AWOS Implementation for Aviation Services at BMKG. *Conference SENATIK STT Adisutjipto Yogyakarta*, 4. <https://doi.org/10.28989/senatik.v4i0.243>
- Wuryandari, T., Hoyyi, A., Kusumardani, D. S., & Rahmawati, D. (2014). IDENTIFIKASI AUTOKORELASI SPASIAL PADA JUMLAH PENGANGGURAN DI JAWA TENGAH MENGGUNAKAN INDEKS MORAN. *Media Statistika*, 7(1), 1.
- Yang, Y., Sun, W., Chi, Y., Yan, X., Fan, H., Yang, X., Ma, Z., Wang, Q., & Zhao, C. (2022). Machine learning-based retrieval of day and night cloud macrophysical parameters over East Asia using Himawari-8 data. *Remote Sensing of Environment*, 273. <https://doi.org/10.1016/j.rse.2022.112971>
- Yaya, H., & Wahyono, T. (2020). *Machine Learning Konsep dan Implementasi*. Gava Media Yogyakarta.
- Yunita Samosir, D., Made Yuliara, I., & Prasetia, R. (2021). Perbandingan dan Analisis Pola Spasial Curah Hujan Data IMERG (Integrated Multi-Satellite Retrievals for GPM) dan Data Observasi di Provinsi Bali. *Buletin Fisika*, 22(2), 68. <https://disc.gsfc.nasa.gov>