

DAFTAR PUSTAKA

- Alvioli, M., & Baum, R. L. (2016). Parallelization of the TRIGRS model for rainfall-induced landslides using the message passing interface. *Environmental Modelling & Software*, 81, 122–135. <https://doi.org/10.1016/j.envsoft.2016.04.002>
- Ashtiani, F., On, M. B., Sanchez-Jacome, D., Perez-Lopez, D., Ben Yoo, S. J., & Blanco-Redondo, A. (2023). Photonic Max-Pooling for Deep Neural Networks Using a Programmable Photonic Platform. *2023 Optical Fiber Communications Conference and Exhibition (OFC)*, 1–3. <https://doi.org/10.23919/OFC49934.2023.10116774>
- Badan Standarisasi Nasional. Standar Nasional Indonesia. (2024). Penyusunan Peta Zona Kerentanan Gerakan Tanah. https://Kupdf.Net/Download/Sni-Penyusunan-Peta-Zona-Kerentanan-Gerakan-Tanah_58E268D7Dc0D60F40C897108_Pdf.
- Banuzaki, A. S., & Ayu, A. K. (2021). Integrated Remote Sensing and GIS Analysis for Landslide Susceptibility Assessment along the Trenggalek–Ponorogo Road, East Java Province, Indonesia. *Indonesian Association of Geologists Journal*, 1(1), 39–48. <https://doi.org/10.51835/iagij.2021.1.1.14>
- Baum, R. L., Godt, J. W., & Savage, W. Z. (2010). Estimating the timing and location of shallow rainfall-induced landslides using a model for transient, unsaturated infiltration. *Journal of Geophysical Research: Earth Surface*, 115(3). <https://doi.org/10.1029/2009JF001321>
- Baum, R. L., Savage, W. Z., & Godt, J. W. (2002). TRIGRS — A Fortran Program for Transient Rainfall Infiltration and Grid-Based Regional Slope-Stability Analysis, Version 2.0. *U.S. Geological Survey Open-File Report*, 2008–1159, 75.
- Boito, P. (2023). Matrix Structures and Matrix Functions. *ACM International Conference Proceeding Series*, 24–30. <https://doi.org/10.1145/3597066.3597148>
- Budiarti, P. W., Fathani, T. F., & Faris, F. (2020). Analysis of rainfall-

- triggered landslide in Baleagung Village, Magelang Regency, Central Java. *E3S Web of Conferences*, 200, 01001. <https://doi.org/10.1051/e3sconf/202020001001>
- Chen, H., He, Y., Zhang, L., Yang, W., Liu, Y., Gao, B., Zhang, Q., & Lu, J. (2024). A Multi-Input Channel U-Net Landslide Detection Method Fusing SAR Multisource Remote Sensing Data. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 17, 1215–1232. <https://doi.org/10.1109/JSTARS.2023.3339294>
- Ciurleo, M., Ferlisi, S., Foresta, V., Mandaglio, M. C., & Moraci, N. (2021). Landslide Susceptibility Analysis by Applying TRIGRS to a Reliable Geotechnical Slope Model. *Geosciences*, 12(1), 18. <https://doi.org/10.3390/geosciences12010018>
- Cunningham, P., & Delany, S. J. (2022). k-Nearest Neighbour Classifiers - A Tutorial. *ACM Computing Surveys*, 54(6), 1–25. <https://doi.org/10.1145/3459665>
- Dang, Z., Deng, C., Yang, X., Wei, K., & Huang, H. (2021). Nearest Neighbor Matching for Deep Clustering. *2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 13688–13697. <https://doi.org/10.1109/CVPR46437.2021.01348>
- Doğan, Y. (2024). Which pooling method is better: Max, Avg, or Concat (Max, Avg). *Communications Faculty of Sciences University of Ankara Series A2-A3 Physical Sciences and Engineering*, 66(1), 95–117. <https://doi.org/10.33769/aupse.1356138>
- Fata, Y. A., Hendrayanto, H., Kuncahyo, B., Erizal, E., & Tarigan, S. D. (2022). Characteristics and factors affecting surface and shallow landslides in West Java, Indonesia. *Journal of Degraded and Mining Lands Management*, 10(1), 3849. <https://doi.org/10.15243/jdmlm.2022.101.3849>
- Ganga, A., Elia, M., D'Ambrosio, E., Tripaldi, S., Capra, G. F., Gentile, F., & Sanesi, G. (2022). Assessing Landslide Susceptibility by Coupling Spatial Data Analysis and Logistic Model. *Sustainability*, 14(14), 8426.

<https://doi.org/10.3390/su14148426>

- Godt, J. W., Baum, R. L., Savage, W. Z., Salciarini, D., Schulz, W. H., & Harp, E. L. (2008). Transient deterministic shallow landslide modeling: Requirements for susceptibility and hazard assessments in a GIS framework. *Engineering Geology*, 102(3–4), 214–226. <https://doi.org/10.1016/j.enggeo.2008.03.019>
- Gunawan Tejakusuma, I., Prawiradisastra, F., Sugianti, K., Tohari, A., Zakaria, Z., Trisnafiah, S., Fitriani, R., Biwas Putra, D., Pri Martireni, A., & Budiman, B. (2023). Characteristics of landslides induced by an earthquake from a hidden strike-slip active fault in the Cianjur Area of West Java. *E3S Web of Conferences*, 447, 01009. <https://doi.org/10.1051/e3sconf/202344701009>
- Guo, A., Sun, Q., Hu, J., Zheng, W., Gui, R., & Yu, Y. (2024). MUSEnet: High Temporal-Frequency Estimation of Landslide Deformation Field Through Joint InSAR and Hydrological Observations Using Deep Learning. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 17, 1485–1499. <https://doi.org/10.1109/JSTARS.2023.3338449>
- Gürkahraman, K., & Karakiş, R. (2024). Optimization of Mixed Pooling Using Genetic Algorithm for Convolutional Neural Networks. *2024 32nd Signal Processing and Communications Applications Conference (SIU)*, 1–4. <https://doi.org/10.1109/SIU61531.2024.10601152>
- Han, Z., Li, Z., Yamanashi, Y., & Yoshikawa, N. (2023). Design of Max Pooling Operation Circuit for Binarized Neural Networks Using Single-Flux-Quantum Circuit. *IEEE Transactions on Applied Superconductivity*, 33(5), 1–5. <https://doi.org/10.1109/TASC.2023.3241144>
- Hermawan, K., Sugianti, K., Martireni, A., Satrio, N. A., & Yunarto. (2023). Spatial and Temporal Analysis Prediction of Landslide Susceptibility Using Rainfall Infiltration and Grid-based Slope Stability Methods in West Bandung area of West Java-Indonesia. *IOP Conference Series:*

- Earth and Environmental Science*, 1173(1), 012031.
<https://doi.org/10.1088/1755-1315/1173/1/012031>
- Isnain, A. R., Supriyanto, J., & Kharisma, M. P. (2021). Implementation of K-Nearest Neighbor (K-NN) Algorithm For Public Sentiment Analysis of Online Learning. *IJCCS (Indonesian Journal of Computing and Cybernetics Systems)*, 15(2), 121. <https://doi.org/10.22146/ijccs.65176>
- Iverson, R. M. (2000). Landslide triggering by rain infiltration. *Water Resources Research*, 36(7), 1897–1910.
<https://doi.org/10.1029/2000WR900090>
- Jalali, Z. S., Wang, C., Kearney, G., Yuan, G., Ding, C., Zhou, Y., Wang, Y., & Soundarajan, S. (2023). Memristor-Based Spectral Decomposition of Matrices and Its Applications. *IEEE Transactions on Computers*, 72(5), 1460–1472. <https://doi.org/10.1109/TC.2022.3202746>
- Kristiawan, K., & Widjaja, A. (2021). Perbandingan Algoritma Machine Learning dalam Menilai Sebuah Lokasi Toko Ritel. *Jurnal Teknik Informatika Dan Sistem Informasi*, 7(1), 35–46.
<https://doi.org/10.28932/jutisi.v7i1.3182>
- Liu, Y., Zhang, K., & Wang, Z. (2023). Intrusion detection of manifold regularized broad learning system based on LU decomposition. *Journal of Supercomputing*, 79(18), 20600–20648.
<https://doi.org/10.1007/s11227-023-05403-z>
- Lu, F., Tao, S., & Wan, W. (2024). Application of nonlinear regression theory based on edge computing to mathematical modeling in universities. *Applied Mathematics and Nonlinear Sciences*, 9(1).
<https://doi.org/10.2478/amns.2023.2.00210>
- Malik Gul, U., Paul, A., & Chee, K.-W.-A. (2022). Mathematical Modeling of Real-Time Systems Using Heun and Piecewise Methods. *Mathematical Problems in Engineering*, 2022, 1–6.
<https://doi.org/10.1155/2022/4651084>
- Manan, W. A. A., Yusof, M. K. T. M., Rahim, S. M. A., Razali, R., Rashid, A. S. A., Khanan, M. F. A., & Rahman, M. Z. A. (2023). An overview of

- different models used in the deterministic approach for landslide susceptibility mapping. *E3S Web of Conferences*, 464. <https://doi.org/10.1051/e3sconf/202346419003>
- Mandi, J. V. S. (2022). Building Better amidst the Coronavirus Disease (COVID-19) Pandemic: An Analysis of Critical Success Factors within Resilience to Natural Hazards and COVID-19. *International Journal of Science, Engineering and Management*, 9(7), 14–21. <https://doi.org/10.36647/IJSEM/09.07.A004>
- Manjunatha, S., & Malini, M. P. (2018). Interpolation Techniques in Image Resampling. *International Journal of Engineering & Technology*, 7, 567–570.
- Mardhani, D., Runturambi, A. J. S., & Hanita, M. (2020). Security and Defense in National Resilience Studies to Realize a National Security System. *Jurnal Pertahanan & Bela Negara*, 10(3), 267. <https://doi.org/10.33172/jpbh.v10i3.1112>
- Marin, R. J., García, E. F., & Aristizábal, E. (2021). Assessing the Effectiveness of TRIGRS for Predicting Unstable Areas in a Tropical Mountain Basin (Colombian Andes). *Geotechnical and Geological Engineering*, 39(3), 2329–2346. <https://doi.org/10.1007/s10706-020-01630-w>
- Meena, V., Kumari, S., & Shankar, V. (2022). Physically based modelling techniques for landslide susceptibility analysis: A comparison. *IOP Conference Series: Earth and Environmental Science*, 1032(1), 012033. <https://doi.org/10.1088/1755-1315/1032/1/012033>
- Minh, N. Q., Huong, N. T. T., Hien, L. P., Nhung, D. T. T., Hong, N. T. M., & Van Anh, V. (2019). Comparison of the Resampling Methods for Gridded DEM Downscaling. *Inzynieria Mineralna*, 2(2–44), 239–247. <https://doi.org/10.29227/IM-2019-02-78>
- Minh, N. Q., Huong, N. T. T., Khanh, P. Q., Hien, L. P., & Bui, D. T. (2024). Impacts of Resampling and Downscaling Digital Elevation Model and Its Morphometric Factors: A Comparison of Hopfield Neural Network,

- Bilinear, Bicubic, and Kriging Interpolations. *Remote Sensing*, 16(5).
<https://doi.org/10.3390/rs16050819>
- More, Y., Dumbre, K., & Shiragapur, B. (2023). Horizontal Max Pooling a Novel Approach for Noise Reduction in Max Pooling for Better Feature Detect. *2023 International Conference on Emerging Smart Computing and Informatics (ESCI)*, 1–5.
<https://doi.org/10.1109/ESCI56872.2023.10099648>
- Muhammad, I., Imsak Aditya Respati Priyono, Oktaviani Rahmania, Muhammad Rizki Maulana, Boy Marluga Silitonga, & Mochamad Rafi Taufiqurrahman. (2022). Mapping of Landslide Potential Zone with Frequency Ratio Method and Mitigation Efforts in Banjarnegara Regency, Central Java, Indonesia. *Journal of Social Science*, 3(3), 633–640. <https://doi.org/10.46799/jss.v3i3.354>
- Muntohar, A. S., Prasetyaningtiyas, G. A., & Hidayat, R. (2021). The Spatial Model using TRIGRS to determine Rainfall-Induced Landslides in Banjarnegara, Central Java, Indonesia. *Journal of the Civil Engineering Forum*, 7(3), 289. <https://doi.org/10.22146/jcef.55282>
- Nugraha, A. T., Prayitno, G., Nandhiko, L., & Nasution, A. R. (2022). Socioeconomic conditions on poverty levels a case study: Central Java Province and Yogyakarta in 2016. *Revista de Economia e Sociologia Rural*, 60(1). <https://doi.org/10.1590/1806-9479.2021.233206>
- Paolini, E., De Marinis, L., Maggiani, L., & Andriolli, N. (2022). Accelerating Pooling Layers in Photonic Convolutional Neural Networks. *2022 27th OptoElectronics and Communications Conference (OECC) and 2022 International Conference on Photonics in Switching and Computing (PSC)*, 1–3. <https://doi.org/10.23919/OECC/PSC53152.2022.9850194>
- Parker, D. J. (2020). Disaster resilience – a challenged science. *Environmental Hazards*, 19(1), 1–9.
<https://doi.org/10.1080/17477891.2019.1694857>
- PĂTRAȘCU, P. (2022). National Security Strategies and Critical Infrastructure: An Analysis of the European Union Member States.

- Romanian Military Thinking*, 2022(3), 10–29.
<https://doi.org/10.55535/RMT.2022.3.01>
- Pramono, G. H. (2008). Akurasi Metode IDW dan Kriging untuk Interpolasi Sebaran Sedimen Tersuspensi di Maros, Sulawesi Selatan. *Forum Geografi*, 22(2), 145. <https://doi.org/10.23917/forgeo.v22i2.4988>
- Purnomo, H. (2018). Aplikasi Metode Interpolasi Inverse Distance Weighting dalam Penaksiran Sumberdaya Laterit Nikel (Studi Kasus di Blok R, Kabupaten Konawe-Sulawesi Tenggara). *Jurnal Ilmiah Bidang Teknologi, ANGKASA*, X(1).
- Pyrozhevskiy, S. I. (2022). National Stability of Ukraine: Security Strategy. *Ukrainian Geographical Journal*, 2022(2), 3–10.
<https://doi.org/10.15407/ugz2022.02.003>
- Qiu, H., Zhu, Y., Zhou, W., Sun, H., He, J., & Liu, Z. (2022). Influence of DEM resolution on landslide simulation performance based on the Scoops3D model. *Geomatics, Natural Hazards and Risk*, 13(1), 1663–1681. <https://doi.org/10.1080/19475705.2022.2097451>
- Rafiq, M., Parihar, S. S., Chauhan, Y. S., & Sahay, S. (2022). Efficient Implementation of Max-Pooling Algorithm Exploiting History-Effect in Ferroelectric-FinFETs. *IEEE Transactions on Electron Devices*, 69(11), 6446–6452. <https://doi.org/10.1109/TED.2022.3207114>
- Sarma, C. P., Dey, A., & Krishna, A. M. (2020). Influence of digital elevation models on the simulation of rainfall-induced landslides in the hillslopes of Guwahati, India. *Engineering Geology*, 268, 105523. <https://doi.org/10.1016/j.enggeo.2020.105523>
- Satyaningsih, R., Jetten, V., Ettema, J., Sopaheluwakan, A., Nuryanto, D. E., & Umer, Y. (2021). *Landslide Early Warning in Indonesia: A Gap Analysis*. <https://doi.org/10.5194/ems2021-339>
- Schilirò, L., Cepeda, J., Devoli, G., & Piciullo, L. (2021). Regional Analyses of Rainfall-Induced Landslide Initiation in Upper Gudbrandsdalen (South-Eastern Norway) Using TRIGRS Model. *Geosciences*, 11(1), 35. <https://doi.org/10.3390/geosciences11010035>

- Sugianti, K., & Tohari, A. (2023). The Impact of Geological and Rainfall Characteristics on Slope Stability Analysis in Shallow Landslide Modelling using the TRIGRS Model. *Rudarsko-Geološko-Naftni Zbornik*, 38(4), 147–166. <https://doi.org/10.17794/rgn.2023.4.12>
- Sugianti, K., Yunarto, Y., Sadisun, I., & Kartiko, R. (2022). Analysis of Maximum-Rainfall-Infiltration-Induced Slope Stability Using the Transient Rainfall Infiltration and Grid-based Regional Slope-stability Model in Cililin, West Java, Indonesia. *Indonesian Journal on Geoscience*, 9(2), 263–278. <https://doi.org/10.17014/ijog.9.2.263-278>
- Sun, L., Chen, Z., Wu, Q. M. J., Zhao, H., He, W., & Yan, X. (2021). AMPNet: Average- and Max-Pool Networks for Salient Object Detection. *IEEE Transactions on Circuits and Systems for Video Technology*, 31(11), 4321–4333. <https://doi.org/10.1109/TCSVT.2021.3054471>
- Wang, Z., Sun, Y., & Li, J. (2024). Posterior Approximate Clustering-Based Sensitivity Matrix Decomposition for Electrical Impedance Tomography. *Sensors*, 24(2), 1–16. <https://doi.org/10.3390/s24020333>
- Wardani, N. P., Wiryana, M., & Suarjaya, P. P. (2016). Osmolalitas plasma sebagai alternatif acute physiologic and chronic health evaluation II untuk memprediksi mortalitas pada pasien kritis yang dirawat di Intensive Care Unit RSUP Sanglah. *Medicina*, 47(1), 57–66. <https://doi.org/10.15562/medicina.v47i1.77>
- Widodo, B. T., Setiawan, H., & Warmada, I. W. (2023). Identification of Landslides Controlling and Triggering Factors using the Analytical Hierarchy Process (AHP) in Dermasuci Village, Pangkah District, Tegal Regency, Central Java Province - Indonesia. *IOP Conference Series: Earth and Environmental Science*, 1245(1), 012005. <https://doi.org/10.1088/1755-1315/1245/1/012005>
- Xu, H., Li, Y., Tan, Y., & Deng, N. (2021). A Scientometric Review of Urban Disaster Resilience Research. *International Journal of Environmental Research and Public Health*, 18(7), 3677. <https://doi.org/10.3390/ijerph18073677>

Zipei, C., Yifei, D., & Toe, T. T. (2022). Line Average Pooling: A Better Way to Handle Feature Maps on CNN for Skin Cancer Classification. *2022 Asia Conference on Algorithms, Computing and Machine Learning (CACML)*, 522–526.
<https://doi.org/10.1109/CACML55074.2022.00094>

