

DAFTAR PUSTAKA

- Al Kafri, A.S., Sudirman, S., Hussain, A.J., Fergus, P., Al-Jumeily, D., Al Smadi, H., Khalaf, M., Al-Jumaily, M., Al-Rashdan, W. and Bashtawi, M., 2017, June. Detecting the disc herniation in segmented lumbar spine mri image using centroid distance function. In *2017 10th International Conference on Developments in eSystems Engineering (DeSE)* (pp. 9-13). IEEE.
- Alipour, A., Ahmadalipour, A., Abbaszadeh, P. and Moradkhani, H., 2020. Leveraging *Machine Learning* for predicting flash flood damage in the Southeast US. *Environmental Research Letters*, 15(2), p.024011.
- Badan Meteorologi, Klimatologi, dan Geofisika, 2020. Kriteria dan Indikator Banjir di Indonesia.
- Behera, J., 2020. *Classifying Flood Severity Using Machine Learning*. Doctoral dissertation, Dublin, National College of Ireland.
- Breiman, L., 2001. Random Forests. *Machine Learning*, 45(1), 5-32.
- Dimas Bayu, 2022, BNPB: Indonesia Alami 3.522 Bencana Alam pada 2022, <https://dataindonesia.id/varia/detail/bnpb-indonesia-alami-3522-bencana-alam-pada-2022>, diakses tanggal 1 Oktober 2023.
- Fitriyaningsih, I., Basani, Y. and Ginting, L.M., Machine Learning: Prosperity Of Rainfall, Water Discharge, And Flood With Web Application In Deli Serdang-Aplikasi Prediksi Curah Hujan, Debit Air, dan Kejadian Banjir Berbasis Web dengan Machine Learning di Deli Serdang. *Jurnal Penelitian Komunikasi dan Opini Publik*, 22(2), p.272740.
- Grady, F., Tarigan, J.K., Wahidiyat, J.R. and Prasetyo, A., 2022, November. Classification of Flood Alert in Jakarta with Random Forest. In *2022 IEEE 7th International Conference on Information Technology and Digital Applications (ICITDA)* (pp. 1-6). IEEE.
- Hapuarachchi, H.A.P., et al., 2011. A review of flood risk assessment in Asian cities. *Environmental Monitoring and Assessment*, vol. 179, no. 1-4, pp. 477-493.
- Indonesia. *Undang-undang Nomor 24 Tahun 2007 Tentang Penanggulangan Bencana*. (2007). Lembaran Negara RI Tahun 2007, Nomor 66, Tambahan Lembaran RI No. 4723. Sekretariat Negara. Jakarta.
- Kementerian PUPR, 2017. Modul Sistem Informasi Banjir: Pelatihan Pengendalian Banjir. Pusat Pendidikan dan Pelatihan Sumber Daya Air dan Konstruksi.

- Khalaf, M., Hussain, A.J., Al-Jumeily, D., Baker, T., Keight, R., Lisboa, P., Fergus, P. and Al Kafri, A.S., 2018, July. A data science methodology based on Machine Learning algorithms for flood severity prediction. In *2018 IEEE Congress on Evolutionary Computation (CEC)* (pp. 1-8). IEEE.
- Khalaf, M., Hussain, A.J., Keight, R., Al-Jumeily, D., Fergus, P., Keenan, R. and Tso, P., 2017. Machine Learning approaches the application of disease modifying therapy for sickle cell using classification models. *Neurocomputing*, 228, pp.154-164.
- Khan, T.A., Shahid, Z., Alam, M., Su'ud, M.M. and Kadir, K., 2019, December. Early flood risk assessment using machine learning: A comparative study of svm, q-svm, k-nn and lda. In *2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS)* (pp. 1-7). IEEE.
- Khosravi, K., Shahabi, H., Pham, B.T., Adamowski, J., Shirzadi, A., Pradhan, B., Dou, J., Ly, H.B., Gróf, G., Ho, H.L. and Hong, H., 2019. A comparative assessment of flood susceptibility modeling using multi-criteria decision-making analysis and Machine Learning methods. *Journal of Hydrology*, 573, pp.311-323.
- Kim, D., Park, J., Han, H., Lee, H., Kim, H.S. and Kim, S., 2023. Application of AI-Based Models for Flood Water Level Forecasting and Flood Risk Classification. *KSCE Journal of Civil Engineering*, pp.1-12.
- Lempitsky, V., Verhoek, M., Noble, J.A. and Blake, A., 2009. Random forest classification for automatic delineation of myocardium in real-time 3D echocardiography. In *Functional Imaging and Modeling of the Heart: 5th International Conference, FIMH 2009, Nice, France, June 3-5, 2009. Proceedings 5* (pp. 447-456). Springer Berlin Heidelberg.
- Liu, Y. and Zheng, Y.F., 2012. FS_SFS: A Novel feature selection method for Support Vector Machines, The Ohio State University, Columbus OH 43210, USA. *Pattern recognition*.
- Merkert, J., Mueller, M. and Hubl, M., 2015. A survey of the application of Machine Learning in decision support systems.
- Mukhopadhyay, Sayan, 2022. Advanced Data Analytics Using Python: With Machine Learning, Deep Learning, and NLP Examples (pp. 49-75). Berkeley, CA: Apress.
- Nurkhaliza, A.A. and Wijayanto, A.W., 2022. Perbandingan Algoritma Klasifikasi Support Vector Machine dan Random Forest pada Prediksi Status Indeks Mitigasi dan Kesiapsiagaan Bencana (IMKB) Satuan Kerja BPS di Indonesia Tahun 2020. *Jurnal Informatika Universitas Pamulang*, 7(1), pp.54-59.

- Purnamasari, D., Henharta, J., Sasmita, Y.P., Ihsani, F. and Wicaksana, I., 2013. Get Easy Using Weka.
- Quinlan, J. R., 1986. *Induction of Decision Trees*. *Machine Learning*, 1(1), 81-106.
- Roihan, A., Sunarya, P.A. and Rafika, A.S., 2020. Pemanfaatan Machine Learning dalam Berbagai Bidang: Review paper. *IJCIT (Indonesian Journal on Computer and Information Technology)*, 5 (1), 75–82.
- Sebastian, L., 2008. Pendekatan pencegahan dan penanggulangan banjir.
- Sharma, P., Kar, B., Wang, J. and Bausch, D., 2021, November. A Machine Learning approach to flood severity classification and alerting. In *Proceedings of the 4th ACM SIGSPATIAL International Workshop on Advances in Resilient and Intelligent Cities* (pp. 42-47).
- Sharma, T., Pal, A., Kaushik, A., Yadav, A. and Chitragupta, A., 2022, February. A Survey on Flood Prediction analysis based on ML Algorithm using Data Science Methodology. In *2022 IEEE Delhi Section Conference (DELCON)* (pp. 1-8). IEEE.
- Smith, K., & Ward, R., 1998. *Floods: Physical Processes and Human Impacts* (337 p). Chichester: Wiley.
- Tenda, E.P., Lengkong, A.V. and Pinontoan, K.F., 2021. Sistem Peringatan Dini Banjir Berbasis IoT dan Twitter. *CogITo Smart Journal*, 7(1), pp.26-39.
- Vapnik, V. N., 1995. *The Nature of Statistical Learning Theory*. Springer.