

## DAFTAR PUSTAKA

- Ahmed, M., Seraj, R., & Islam, S. M. S. (2020). The k-means Algorithm: A Comprehensive Survey and Performance Evaluation. *Electronics*, 9(8), 1295. <https://doi.org/10.3390/electronics9081295>
- ALASALI, T., & ORTAKCI, Y. (2024). Clustering Techniques in Data Mining: A Survey of Methods, Challenges, and Applications. *Computer Science*. <https://doi.org/10.53070/bbd.1421527>
- Budiman, I., Prahasto, T., & Christyono, Y. (2012). DATA CLUSTERING MENGGUNAKAN METODOLOGI CRISP-DM UNTUK PENGENALAN POLA PROPORSI PELAKSANAAN TRIDHARMA. In *Seminar Nasional Aplikasi Teknologi Informasi*.
- Firlik, B., & Tabaszewski, M. (2020). Monitoring of the technical condition of tracks based on machine learning. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, 234(7), 702–708. <https://doi.org/10.1177/0954409719866368>
- Gede, A., Pradnyana, S., Kom, M., Kom, K., Agustini, S., & Si, M. S. (n.d.). *Konsep Dasar Data Mining*.
- He, Z., & Ho, C.-H. (2019). An improved clustering algorithm based on finite Gaussian mixture model. *Multimedia Tools and Applications*, 78(17), 24285–24299. <https://doi.org/10.1007/s11042-018-6988-z>
- Humaira, H., & Rasyidah, R. (2020). Determining The Appropriate Cluster Number Using Elbow Method for K-Means Algorithm. *Proceedings of the Proceedings of the 2nd Workshop on Multidisciplinary and Applications (WMA) 2018, 24-25 January 2018, Padang, Indonesia*. <https://doi.org/10.4108/eai.24-1-2018.2292388>
- Ikotun, A. M., Ezugwu, A. E., Abualigah, L., Abuhaija, B., & Heming, J. (2023). K-means clustering algorithms: A comprehensive review, variants analysis, and advances in the era of big data. *Information Sciences*, 622, 178–210. <https://doi.org/10.1016/j.ins.2022.11.139>

- Ji, W., Yang, J., Wang, Y., Zhu, L., Qiu, Y., & Hei, X. (2023). A Risk Prediction Model Based on Crash History Data for Railway Trams. *Chinese Journal of Electronics*, 32(5), 963–971. <https://doi.org/10.23919/cje.2022.00.231>
- Kossakov, M., Mukasheva, A., Balbayev, G., Seidazimov, S., Mukammejanova, D., & Sydybayeva, M. (2024). Quantitative Comparison of Machine Learning Clustering Methods for Tuberculosis Data Analysis. *CIEES* 2023, 20. <https://doi.org/10.3390/engproc2024060020>
- Michieletto, S., Stival, F., & Pagello, E. (2021). A probabilistic approach to reconfigurable interactive manufacturing and coil winding for Industry 4.0. In *Advances in Mathematics for Industry 4.0* (pp. 61–93). Elsevier. <https://doi.org/10.1016/B978-0-12-818906-1.00003-6>
- Qu, J., Li, S., Li, Y., & Liu, L. (2023). Research on Railway Obstacle Detection Method Based on Developed Euclidean Clustering. *Electronics*, 12(5), 1175. <https://doi.org/10.3390/electronics12051175>
- Rákos, O., Aradi, S., & Bécsi, T. (2020). Lane change prediction using Gaussian classification, support vector classification and neural network classifiers. *Periodica Polytechnica Transportation Engineering*, 48(4), 327–333. <https://doi.org/10.3311/PPTR.15849>
- Rehman, S. U., Asghar, S., Fong, S., & Sarasvady, S. (2014). DBSCAN: Past, present and future. *The Fifth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014)*, 232–238. <https://doi.org/10.1109/ICADIWT.2014.6814687>
- Rianti, A., Wachid, N., Majid, A., Fauzi, A., Sistem, P., Informasi, T., Telekomunikasi, S., Upi Di Purwakarta, K., & Edu, A. (2023). *CRISP-DM: Metodologi Proyek Data Science*.
- Ruswanti, D., Susilo, D., & Riani, R. (2024). Implementasi CRISP-DM pada Data Mining untuk Melakukan Prediksi Pendapatan dengan Algoritma

C.45. *Go Infotech: Jurnal Ilmiah STMIK AUB*, 30(1), 111–121.  
<https://doi.org/10.36309/goi.v30i1.266>

Shetty, P., & Singh, S. (2021). Hierarchical Clustering: A Survey. *International Journal of Applied Research*, 7(4), 178–181.  
<https://doi.org/10.22271/allresearch.2021.v7.i4c.8484>

Shi, L., Yang, X., Chang, X., Wu, J., & Sun, H. (2023). An improved density peaks clustering algorithm based on k nearest neighbors and turning point for evaluating the severity of railway accidents. *Reliability Engineering & System Safety*, 233, 109132.  
<https://doi.org/10.1016/j.ress.2023.109132>

Shutaywi, M., & Kachouie, N. N. (2021). Silhouette Analysis for Performance Evaluation in Machine Learning with Applications to Clustering. *Entropy*, 23(6), 759. <https://doi.org/10.3390/e23060759>

Suraya, S., Sholeh, M., & Lestari, U. (2023). Evaluation of Data Clustering Accuracy using K-Means Algorithm. *International Journal of Multidisciplinary Approach Research and Science*, 2(01), 385–396.  
<https://doi.org/10.59653/ijmars.v2i01.504>

Suwanda, R., Syahputra, Z., & Zamzami, E. M. (2020). Analysis of Euclidean Distance and Manhattan Distance in the K-Means Algorithm for Variations Number of Centroid K. *Journal of Physics: Conference Series*, 1566(1), 012058. <https://doi.org/10.1088/1742-6596/1566/1/012058>

Syahputra, I., Ilhamsyah, I., Rahmayuda, S., & Febrianto, F. (2022). SISTEM KLASTERISASI DATA KESEHATAN PENDUDUK UNTUK MENENTUKAN RENTANG DERAJAT KESEHATAN DAERAH MENGGUNAKAN K-MEANS. *Jurnal Khatulistiwa Informatika*, 10(1), 66–73. <https://doi.org/10.31294/jki.v10i1.12872>

Wang, H., Liu, X., Song, L., Zhang, Y., Rong, X., & Wang, Y. (2024). Research on a Train Safety Driving Method Based on Fusion of an

Incremental Clustering Algorithm and Lightweight Shared Convolution. *Sensors*, 24(15), 4951. <https://doi.org/10.3390/s24154951>

Wurijanto, T., Setiawan, H. B., & Tjandrarini, A. B. (2022). Penerapan Model CRISP-DM pada Prediksi Nasabah Kredit yang Berisiko Menggunakan Algoritma Support Vector Machine. *Jurnal Ilmiah Scroll: Jendela Teknologi Informasi*, 10(1). <https://univ45sby.ac.id/ejournal/index.php/informatika>

Yang, C., Sun, Y., Ladubec, C., & Liu, Y. (2020). Developing Machine Learning-Based Models for Railway Inspection. *Applied Sciences*, 11(1), 13. <https://doi.org/10.3390/app11010013>

Zhang, Z., Ming, Y., & Song, G. (2019). Identify Road Clusters with High-Frequency Crashes Using Spatial Data Mining Approach. *Applied Sciences*, 9(24), 5282. <https://doi.org/10.3390/app9245282>