

DsAFTAR PUSTAKA

- [1] S. N. Br Sembiring, H. Winata, and S. Kusnasari, "Pengelompokan Prestasi Siswa Menggunakan Algoritma K-Means," *J. Sist. Inf. Triguna Dharma JURSI TGD*, vol. 1, no. 1, p. 31, Jan. 2022, doi: 10.53513/jursi.v1i1.4784.
- [2] S. Surohman, L. Fabrianto, F. Riza, and N. M. Faizah, "Korelasi Antara Profil dan Nilai Akademis Siswa dengan Menggunakan Algoritma K-Means," *J. Teknol. Inf. Dan Ilmu Komput.*, vol. 8, no. 4, p. 845, July 2021, doi: 10.25126/jtiik.2021843034.
- [3] N. D. Rahayu, A. H. Anshor, and I. Afriantoro, "Penerapan Data Mining untuk Pemetaan Siswa Berprestasi menggunakan Metode Clustering K-Means," *JUKI J. Komput. Dan Inform.*, vol. 6, no. 1, pp. 71–83, May 2024, doi: 10.53842/juki.v6i1.474.
- [4] L. Harmaji, A. S. Asaury, M. Wijana, and M. E. Habiby, "Segmentasi Kinerja Akademik Mahasiswa Menggunakan Algoritma K-Means," *J. Account. Inf. Syst. AIMS*, vol. 7, no. 2, pp. 73–81, Sept. 2024, doi: 10.32627/aims.v7i2.1092.
- [5] K. Khomsatun, D. Ikhsan, M. Ali, and K. Kursini, "SISTEM PENGAMBILAN KEPUTUSAN PEMILIHAN LAHAN TANAM DI KABUPATEN WONOSOBO DENGAN K-MEANS CLUSTERING DAN TOPSIS," *J. Nas. Pendidik. Tek. Inform. JANAPATI*, vol. 9, no. 1, p. 55, Apr. 2020, doi: 10.23887/janapati.v9i1.23073.
- [6] A. Supriyadi, A. Triayudi, and I. D. Sholihati, "PERBANDINGAN ALGORITMA K-MEANS DENGAN K-MEDOIDS PADA PENGELOMPOKAN ARMADA KENDARAAN TRUK BERDASARKAN PRODUKTIVITAS," vol. 06.
- [7] R. A. Daoud, "Student Engagement in E-Learning During Crisis: An Unsupervised Machine Learning and Exploratory Data Analysis Approach," *J. Appl. Data Sci.*, vol. 6, no. 1, pp. 508–525, Jan. 2024, doi: 10.47738/jads.v6i1.458.
- [8] Z. Guo, Y. Shi, F. Huang, X. Fan, and J. Huang, "Landslide susceptibility zonation method based on C5.0 decision tree and K-means cluster algorithms to improve the efficiency of risk management," *Geosci. Front.*, vol. 12, no. 6, p. 101249, Nov. 2021, doi: 10.1016/j.gsf.2021.101249.
- [9] E. Ramadanti and M. Muslih, "PENERAPAN DATA MINING ALGORITMA K-MEANS CLUSTERING PADA POPULASI AYAM PETELUR DI INDONESIA," *Rabit J. Teknol. Dan Sist. Inf. Univrab*, vol. 7, no. 1, pp. 1–7, Jan. 2022, doi: 10.36341/rabit.v7i1.2155.
- [10] E. Kalita *et al.*, "Educational data mining: a 10-year review," *Discov. Comput.*, vol. 28, no. 1, p. 81, May 2025, doi: 10.1007/s10791-025-09589-z.
- [11] T. Niu, T. Liu, Y. T. Luo, P. C.-I. Pang, S. Huang, and A. Xiang, "Decoding student cognitive abilities: a comparative study of explainable AI algorithms in educational data mining," *Sci. Rep.*, vol. 15, no. 1, p. 26862, July 2025, doi: 10.1038/s41598-025-12514-5.
- [12] N. Afiasari, N. Suarna, and N. Rahaningsi, "Implementasi Data Mining Transaksi Penjualan Menggunakan Algoritma Clustering dengan Metode K-

- Means,” *J. SAINTEKOM*, vol. 13, no. 1, pp. 100–110, Mar. 2023, doi: 10.33020/saintekom.v13i1.402.
- [13] N. L. P. P. Dewi, I. N. Purnama, and N. W. Utami, “Penerapan Data Mining Untuk Clustering Penilaian Kinerja Dosen Menggunakan Algoritma K-Means (Studi Kasus: STMIK Primakara),” *J. Ilm. Teknol. Inf. Asia*, vol. 16, no. 2, p. 105, 2022, doi: 10.32815/jitika.v16i2.761.
- [14] L. Zahrotun, Y. Fajri, A. H. S. Jones, and E. Purwaningsih, “Pengelompokkan Mahasiswa Akademik Keperwatan Berdasarkan Asal Sekolah dan Nilai Akademik Menggunakan Metode Clustering K-Means,” *Build. Inform. Technol. Sci. BITS*, vol. 3, no. 3, pp. 369–374, 2021, doi: 10.47065/bits.v3i3.1110.
- [15] N. Wahyudi, Y. Ardilla, and N. P. Hastuti, “Educational Data Clustering Menggunakan K-Means pada Seleksi Penerimaan Peserta Didik Baru Madrasah Aliyah Negeri Unggulan,” *Syst. Inf. Syst. Inform. J.*, vol. 7, no. 2, pp. 8–12, Dec. 2022, doi: 10.29080/systemic.v7i2.1768.
- [16] S. M. Javidan, A. Banakar, K. A. Vakilian, and Y. Ampatzidis, “Diagnosis of grape leaf diseases using automatic K-means clustering and machine learning,” *Smart Agric. Technol.*, vol. 3, p. 100081, Feb. 2023, doi: 10.1016/j.atech.2022.100081.
- [17] P. E. Jebarani, N. Umadevi, H. Dang, and M. Pomplun, “A Novel Hybrid K-Means and GMM Machine Learning Model for Breast Cancer Detection,” *IEEE Access*, vol. 9, pp. 146153–146162, 2021, doi: 10.1109/ACCESS.2021.3123425.
- [18] A. F. Mohamed Nafuri, N. S. Sani, N. F. A. Zainudin, A. H. A. Rahman, and M. Aliff, “Clustering Analysis for Classifying Student Academic Performance in Higher Education,” *Appl. Sci.*, vol. 12, no. 19, p. 9467, Sept. 2022, doi: 10.3390/app12199467.
- [19] S. Surya Febrian and A. Mutasowifin, “Selection of agricultural industry stocks by application of K-means algorithm with Elbow method,” *BIO Web Conf.*, vol. 171, p. 04003, 2025, doi: 10.1051/bioconf/202517104003.
- [20] Y. A. N. S. Putra and H. Margono, “Simulation of Student Study Group Formation Design Using K-Means Clustering,” *MALCOM Indones. J. Mach. Learn. Comput. Sci.*, vol. 5, no. 2, pp. 598–608, Mar. 2025, doi: 10.57152/malcom.v5i2.1795.
- [21] S. Malik *et al.*, “Advancing educational data mining for enhanced student performance prediction: a fusion of feature selection algorithms and classification techniques with dynamic feature ensemble evolution,” *Sci. Rep.*, vol. 15, no. 1, p. 8738, Mar. 2025, doi: 10.1038/s41598-025-92324-x.
- [22] C. Azzahra and S. Sriani, “Clustering of High School Students Academic Scores Using K-Means Algorithm,” *J. Inf. Syst. Inform.*, vol. 7, no. 1, pp. 572–586, Mar. 2025, doi: 10.51519/journalisi.v7i1.1029.
- [23] M. K. Islam, M. S. Ali, M. S. Miah, M. M. Rahman, M. S. Alam, and M. A. Hossain, “Brain tumor detection in MR image using superpixels, principal component analysis and template based K-means clustering algorithm,” *Mach. Learn. Appl.*, vol. 5, p. 100044, Sept. 2021, doi: 10.1016/j.mlwa.2021.100044.

- [24] D. Darlinda and J. N. Utamajaya, "Sistem Pendukung Keputusan Penerima Beasiswa Program Indonesia Pintar Menggunakan Metode Algoritma K-Means Clustering," *JURIKOM J. Ris. Komput.*, vol. 9, no. 2, p. 167, 2022, doi: 10.30865/jurikom.v9i2.3971.
- [25] F. P. Dewi, P. S. Aryni, and Y. Umaidah, "Implementasi Algoritma K-Means Clustering Seleksi Siswa Berprestasi Berdasarkan Keaktifan dalam Proses Pembelajaran," *JISKA J. Inform. Sunan Kalijaga*, vol. 7, no. 2, pp. 111–121, May 2022, doi: 10.14421/jiska.2022.7.2.111-121.
- [26] P. Subekti, T. D. Andini, and M. Islamiyah, "Sistem Penentuan Konsentrasi Jurusan Bagi Mahasiswa Informatika Menggunakan Metode K-Means Di Institut Asia Malang," *J. Manaj. Inform. JAMIKA*, vol. 12, no. 1, pp. 25–39, 2022, doi: 10.34010/jamika.v12i1.6452.
- [27] E. A. Saputra and Y. Nataliani, "Analisis Pengelompokan Data Nilai Siswa untuk Menentukan Siswa Berprestasi Menggunakan Metode Clustering K-Means," *J. Inf. Syst. Inform.*, vol. 3, no. 3, pp. 424–439, Oct. 2021, doi: 10.51519/journalisi.v3i3.164.
- [28] D. O. Dacwanda and Y. Nataliani, "Implementasi k-Means Clustering untuk Analisis Nilai Akademik Siswa Berdasarkan Nilai Pengetahuan dan Keterampilan," *AITI*, vol. 18, no. 2, pp. 125–138, Nov. 2021, doi: 10.24246/aiti.v18i2.125-138.