

DAFTAR PUSTAKA

- [1] Y. Nisa F., M. Joharudin, "Faktor-Faktor Ekstern yang Mempengaruhi Prestasi Belajar Mahasiswa," *Jurnal Edunomic*, vol. 5, no. 2, pp. 76-88, 2017.
- [2] I. Angelia, N. Raid, D. Ikranova F., "Faktor-Faktor yang Mempengaruhi Prestasi Akademik Mahasiswa di Sumatera Barat," *Jurnal Ilmu Pendidikan Ahlussunnah*, vol. 6, no. 1, pp. 114-124, 2023.
- [3] D. Lesjak, S. Natek, F. Kohun, "Big Data Analytics in Higher Education," *Issues in Information System*, vol. 22, no. 4, pp. 320-333, 2021.
- [4] A. Kocsis, G. Molnar, "Factors Influencing Academic Performance and Dropout Rates in Higher Education," *Oxford Review*, pp. 1-20, 2024.
- [5] T. Chamidy, M. A. Yaqin, Suhartono, "The Influence of Internal and External Factors on Learning Achievement," *Proceedings of the 4th Annual International Conference on Language, Literature, and Media (AICOLLIM 2022)*.
- [6] S. Gaftanzhieva, R. Doneva, M. Bliznakov, "Data Analytics, Students' Academic Performance and Decision-Making in Higher Education," *Proceedings of the Education and Research in the Information Society*, 2022.
- [7] A. Piliya, "Pengaruh Lingkungan Belajar terhadap Prestasi Akademik Mahasiswa," *Jurnal Pendidikan Indonesia*, vol. 10, no. 2, pp. 45-57, 2021.
- [8] R. Munira, "Analisis Faktor Lingkungan Akademik dalam Mendukung Prestasi Mahasiswa," *Jurnal Pendidikan Tinggi*, vol. 12, no. 1, pp. 112-125, 2024.
- [9] H. Bagus Pratama, A. Yakin, I. Ismail, "Transformasi Lingkungan Belajar di Era Society 5.0 terhadap Kompetensi Mahasiswa," *Pendas: Jurnal Ilmiah Pendidikan Dasar*, vol. 9, no. 3, pp. 418-430, 2024.
- [10] S. Suryadi, M. Anwar, "Faktor-Faktor yang Mempengaruhi Prestasi Akademik Mahasiswa," *Jurnal Riset Pendidikan*, vol. 14, no. 2, pp. 95-107, 2020.
- [11] M. Rohman, N. Fitriani, "Peran Motivasi Belajar terhadap Prestasi Akademik Mahasiswa," *Jurnal Psikologi Pendidikan*, vol. 11, no. 4, pp. 221-233, 2021.
- [12] B. Wahyudi, L. Kusuma, "Pengaruh Kualitas Pengajaran terhadap Pemahaman Materi Mahasiswa," *Jurnal Ilmu Pendidikan*, vol. 15, no. 3, pp. 132-145, 2023.
- [13] J. Triuli et al., "Implementasi Penggunaan Big Data dalam Menganalisis Faktor yang Mempengaruhi Kinerja Siswa dalam Hasil Ujian," *Akademika: Jurnal Teknologi Pendidikan*, vol. 12, no. 1, pp. 239-250, 2023.

- [14] R. Rahman et al., "Big Data Analytics for Student Performance Prediction in Higher Education," *International Journal of Educational Technology*, vol. 18, no. 2, pp. 87-102, 2023.
- [15] N. Nuphanudin et al., "Integrasi Big Data dan Teknologi dalam Pendidikan: Peluang dan Tantangan," *Jurnal Konseling dan Pendidikan*, vol. 12, no. 3, pp. 41-55, 2024.
- [16] X. Dai et al., "An Analytical Model of College Students' Self-Assessed Satisfaction with the Effectiveness of Online Learning: A Structural Equation Model Integrating LICE and SOR Models," *Frontiers in Psychology*, vol. 14, p. 1248729, 2024.
- [17] C. Schröer, F. Kruse, J. M. Gómez, "A Systematic Literature Review on Applying CRISP-DM Process Model," *Procedia Computer Science*, vol. 181, pp. 526-534, 2021.
- [18] M. El Jihaoui, A. Ghennane, M. Bouhorma, "Factors Affecting Student Academic Performance: A Combined Factor Analysis of Mixed Data and Multiple Linear Regression Analysis," *IEEE Access*, vol. 13, pp. 120512-120522, 2025.
- [19] I. W. Mustama Putri, R. Rusdah, "Prediction of Graduation for Students at the ISB Atma Luhur Using the C4.5 Algorithm," *Jurnal Sisfokom*, vol. 12, no. 3, 2023.
- [20] S. A. H. Putri, F. F. Indarti, I. S. Nugroho, "Analisis Komparasi Algoritma C4.5, Naive Bayes dan K-Nearest Neighbor untuk Memprediksi Ketepatan Waktu Lulus Mahasiswa," *Jurnal Informatika dan Komputer (JUTIKOMP)*, vol. 7, no. 2, pp. 271-278, 2024.
- [21] G. Airlangga, "A Comparative Analysis of Machine Learning Models for Predicting Student Performance," *Brilliance: Journal of Computing Research and Innovation*, vol. 4, no. 2, Nov. 2024.
- [22] Y.-C. Kao, A. Botelho, "Exploring Correlations between Short Breaks with Student Performance in Online Learning Environments," *Proceedings of the 17th International Conference on Educational Data Mining (EDM)*, 2024.
- [23] C. Priebe et al., "A Three-Stage Machine Learning and Inference Approach to Uncovering Causal Relationships in Complex Datasets," *Nature*, vol. 615, pp. 123-130, 2025.
- [24] G. Wei, C. Chung, "Learning by Researching: Achievements and Actions of Teacher Learning in a School–University Collaborative Project," *ECNU Review of Education*, vol. 6, no. 2, pp. 215-236, 2022.
- [25] F. Han, "Relations between Students' Study Approaches, Perceptions of the Learning Environment, and Academic Achievement in Flipped Classroom

- Learning: Evidence from Self-Reported and Process Data," *Journal of Educational Computing Research*, vol. 61, no. 6, pp. 1252-1274, 2023.
- [26] A. Stojanov, B. K. Daniel, "A Decade of Research into the Application of *Big Data* and Analytics in Higher Education: A Systematic Review of the Literature," *Education and Information Technologies*, vol. 28, no. 7, pp. 10125-10148, 2023.
 - [27] C. Romero, S. Ventura, "Educational Data Mining and Learning Analytics: An Updated Survey," *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, vol. 14, no. 1, pp. e1483, 2024.
 - [28] S. Sánchez-Sánchez, J. D. Mello-Román, M. Segura, A. Hernández, "Identifying the Determinants of Academic Success: A Machine Learning Approach in Spanish Higher Education," *Systems*, vol. 12, no. 10, art. no. 425, 2024.
 - [29] W. Chango, R. Cerezo, C. Romero, "Multi-Source and Multimodal Data Fusion for Predicting Academic Performance in Blended Learning University Courses," *Journal of Computer Assisted Learning*, vol. 40, no. 1, pp. 103-120, 2024.
 - [30] C. Wang, J. Chen, Z. Xie, J. Zou, "Research on Education *Big Data* for Students' Academic Performance Analysis Based on Machine Learning," *ACM Transactions on Learning Technologies*, vol. 15, no. 3, pp. 1-21, 2024.
 - [31] J. Chen, R. Yang, Y. Zhang, "Exploring Learning Environment Features Affecting Student Performance: A Study Using Feature Selection and ML Models," *Computers & Education*, vol. 210, p. 104655, 2024.
 - [32] M. Al-Tamimi, K. Ibrahim, "A Predictive Model for Student Performance Using Machine Learning Techniques," *IEEE Access*, vol. 12, pp. 155321-155334, 2024.
 - [33] F. García-Peñalvo, A. Reimann, "Trends in Educational Data Mining and Learning Analytics Research: A Bibliometric Study," *British Journal of Educational Technology*, vol. 55, no. 2, pp. 392-412, 2024.
 - [34] T. D. Nguyen, L. H. Nguyen, M. T. Tran, "Analyzing the Impact of Online Learning Environment on Student Engagement and Performance," *Education and Information Technologies*, vol. 29, pp. 503-522, 2024.
 - [35] S. Misra, R. Agarwal, "Machine Learning Models for Academic Performance Prediction: A Meta-Analysis," *Heliyon*, vol. 10, no. 1, e20512, 2024.
 - [36] P. Tzafilkou, D. Economides, "The Effect of Students' Motivation and Online Engagement on Academic Achievement: A Learning Analytics Approach," *Interactive Learning Environments*, vol. 32, no. 2, pp. 134-152, 2024.
 - [37] K. F. Weng, Y. H. Li, T. S. Chen, "Improving Student Performance Prediction Using Hybrid Machine Learning Models," *Journal of Educational Computing Research*, vol. 62, no. 1, pp. 121-142, 2024.

- [38] L. A. Florentin, C. E. Corrêa, "A Review on Student Academic Performance Prediction Using Data Mining Techniques," *Education and Information Technologies*, vol. 29, pp. 2305-2322, 2024.
- [39] H. A. Wahab, A. A. Ramli, M. N. Mohd Yusof, "Using Educational *Big Data* to Predict Dropout and Academic Success in Higher Education," *IEEE Transactions on Learning Technologies*, vol. 17, no. 2, pp. 256-268, 2025.