

ABSTRAK

Penelitian ini bertujuan untuk menganalisis pengaruh penggunaan *Artificial Intelligence* (AI) dan disiplin diri terhadap prestasi akademik mahasiswa melalui motivasi belajar sebagai variabel intervening. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian *explanatory research*. Populasi penelitian adalah mahasiswa aktif Program Sarjana Universitas Trunodjoyo Madura, sedangkan sampel penelitian berjumlah 101 responden yang dipilih menggunakan teknik *purposive sampling*. Pengumpulan data dilakukan melalui penyebaran kuesioner dengan skala Likert sebagai instrumen penelitian. Analisis data menggunakan metode *Structural Equation Modeling-Partial Least Squares* (SEM-PLS) dengan bantuan perangkat lunak SmartPLS 4. Hasil penelitian menunjukkan bahwa penggunaan *Artificial Intelligence* (AI) berpengaruh positif dan signifikan terhadap motivasi belajar dan prestasi akademik mahasiswa. Disiplin diri juga berpengaruh positif dan signifikan terhadap motivasi belajar serta prestasi akademik mahasiswa. Selain itu, motivasi belajar berpengaruh positif dan signifikan terhadap prestasi akademik. Hasil pengujian efek mediasi menunjukkan bahwa motivasi belajar mampu memediasi secara positif dan signifikan pengaruh penggunaan *Artificial Intelligence* (AI) serta disiplin diri terhadap prestasi akademik mahasiswa. Temuan penelitian ini menunjukkan bahwa optimalisasi penggunaan *Artificial Intelligence* (AI) yang didukung disiplin diri yang baik dapat meningkatkan motivasi belajar sehingga berdampak pada peningkatan prestasi akademik mahasiswa.

Kata Kunci: *Artificial Intelligence (AI)*, Disiplin Diri, Motivasi Belajar, Prestasi Akademik.

ABSTRACT

This study aims to examine the effects of Artificial Intelligence (AI) use and self-discipline on students' academic achievement, with learning motivation serving as an intervening variable. A quantitative approach with an explanatory research design was employed. The population comprised undergraduate students enrolled at Universitas Trunodjoyo Madura, and a sample of 101 respondents was selected using purposive sampling. Data were collected using a structured questionnaire based on a five-point Likert scale and analyzed through Structural Equation Modeling–Partial Least Squares (SEM-PLS) using SmartPLS 4. The results revealed that Artificial Intelligence (AI) use positively and significantly influenced both learning motivation and academic achievement. Likewise, self-discipline had a positive and significant effect on learning motivation and academic achievement. Learning motivation was also found to have a positive and significant effect on academic achievement. Furthermore, learning motivation significantly mediated the relationships between Artificial Intelligence (AI) use and academic achievement as well as between self-discipline and academic achievement. These findings suggest that the effective use of Artificial Intelligence (AI), supported by strong self-discipline, enhances students' learning motivation and ultimately improves their academic achievement. Therefore, higher education institutions are encouraged to promote the responsible integration of Artificial Intelligence (AI) into learning while fostering students' self-discipline and learning motivation to improve academic outcomes..

Keywords: *Artificial Intelligence, self discipline, learning motivation, academic achievement.*