

RINGKASAN

Berdasarkan studi pendahuluan yang dilakukan pada kelas XI di SMA Negeri 1 Purwokerto, ditemukan bahwa kondisi awal kemampuan berpikir kritis siswa pada mata pelajaran ekonomi sebagian besar berada pada kategori sangat rendah hingga sedang. Hasil tersebut menunjukkan bahwa indikator *situation* tercatat sebesar 40% dalam kategori sangat rendah, sedangkan indikator *reason* sebesar 57,5%, *focus* sebesar 45%, dan *overview* sebesar 52,5% termasuk dalam kategori sedang. Di sisi lain, indikator *inference* sebesar 62,5% dan *clarity* sebesar 75% berada dalam kategori tinggi. Oleh karena itu, diperlukan peningkatan yang lebih fokus pada indikator *situation*, *focus*, *overview*, dan *reason* selama pembelajaran untuk mengoptimalkan kemampuan berpikir kritis siswa.

Penelitian ini merupakan adalah penelitian kuantitatif dengan metode *Quasi Experimental*. Tujuan penelitian ini adalah untuk menganalisis pengaruh penerapan model pembelajaran *Self- Directed Learning* (SDL) berbantuan media *Artificial Intelligence* (AI) terhadap kemampuan berpikir kritis siswa pada mata pelajaran ekonomi kelas XI di SMA Negeri 1 Purwokerto Tahun Pelajaran 2024/2025.

Populasi penelitian ini adalah siswa kelas XI yang mengambil peminatan mata pelajaran ekonomi tahun pelajaran 2024/2025 di SMA Negeri 1 Purwokerto berjumlah 144 siswa. Sampel yang digunakan sebanyak 68 siswa dari dua kelas yang dipilih menggunakan teknik *purposive sampling*. Teknik analisis data menggunakan analisis instrumen penelitian, analisis uji prasyarat data, *independent sample t-test*, metode suksesif interval (MSI), dan analisis regresi sederhana.

Berdasarkan analisis data, hasil penelitian ini menunjukkan bahwa: (1) Terdapat perbedaan kemampuan berpikir kritis antara siswa yang menerapkan model pembelajaran *Self- Directed Learning* (SDL) berbantuan media *Artificial Intelligence* (AI) dan siswa yang menerapkan model pembelajaran *Problem Based Learning*; (2) Model pembelajaran *Self- Directed Learning* (SDL) berbantuan media *Artificial Intelligence* (AI) berpengaruh positif dan signifikan terhadap kemampuan berpikir kritis siswa.

Kata Kunci: Model pembelajaran *Self- Directed Learning*, *Artificial Intelligence*, Kemampuan Berpikir Kritis

SUMMARY

Based on the preliminary study conducted in class XI at SMA Negeri 1 Purwokerto, it was found that the initial critical thinking abilities of students in economics were mostly in the very low to moderate categories. The results showed that the situation indicator was recorded at 40% in the very low category, while the reason indicator was 57.5%, focus was 45%, and overview was 52.5%, all of which fell into the moderate category. On the other hand, the inference indicator was 62.5% and the clarity indicator was 75%, both in the high category. Therefore, it is necessary to focus on improving the situation, focus, overview, and reason indicators during the learning process to optimize students' critical thinking abilities.

This research is a quantitative study using a Quasi-Experimental method. The purpose of this study is to analyze the effect of implementing the Self-Directed Learning (SDL) model assisted by Artificial Intelligence (AI) media on students' critical thinking skills in economics subjects for 11th-grade students at SMA Negeri 1 Purwokerto in the 2024/2025 academic year.

The population of this study consisted of 144 11th-grade students who chose the economics subject specialization in the 2024/2025 academic year at SMA Negeri 1 Purwokerto. The sample consisted of 68 students from two classes selected using purposive sampling techniques. Data analysis techniques included instrument analysis, prerequisite data testing, independent sample t-test, successive interval method (MSI), and simple regression analysis.

Based on data analysis, the results of this study show that: (1) There is a difference in critical thinking skills between students who were taught using the Self-Directed Learning (SDL) model assisted by Artificial Intelligence (AI) and those taught using the Problem-Based Learning model; (2) The Self-Directed Learning (SDL) model assisted by Artificial Intelligence (AI) has a positive and significant effect on students' critical thinking skills.

Keywords: *Self-Directed Learning model, Artificial Intelligence, Critical Thinking Skills*