

**PENGARUH *ARTIFICIAL INTELLIGENCE* (AI) TERHADAP  
KEMAMPUAN BERPIKIR KRITIS SISWA**

(Survei pada Siswa Kelas XI di SMAN 21, SMAN 25, dan SMAN 27 Kota  
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**ABSTRACT**

*The background is that students' critical thinking skills are relatively low due to the lack of utilization of Artificial Intelligence (AI) technology. This study aims to determine: (i) to determine the use of Artificial Intelligence (AI) technology in students, (ii) to determine students' critical thinking skills in schools, (iii) to determine the effect of AI on students' critical thinking skills. The method used is a survey with a quantitative approach and a cross-sectional survey design. The results of the study show (i) the use of AI technology in students is in the good category with an average value between 3.64 and 4.14. (ii) Students' critical thinking skills are in the good category with an average value between 3.71 and 4.28. (iii) There is an influence of AI on students' critical thinking skills as seen from the coefficient of determination ( $R^2$ ) value of 0.436 or 43.6% which is in the fairly strong category and the results of the t-test show positive results, thus indicating that AI has a positive influence on students' critical thinking skills. At the end of the writing, the author provides suggestions to schools to provide facilities to support the use of AI technology so as to improve students' critical thinking skills.*

*Keywords: Artificial Intelligence (AI), student's critical thinking skills*