

ABSTRAK

Neng Wifqi Muslimati, 2026. **PENERAPAN MODEL PEMBELAJARAN *THINK TALK WRITE* (TTW) BERBANTUAN *ARTIFICIAL INTELLIGENCE* (AI) DALAM MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS SISWA DI SMA NEGERI 1 MANONJAYA (Quasi Eksperimen pada Mata Pelajaran Ekonomi Kelas XI SMA Negeri 1 Manonjaya)**". Jurusan Pendidikan Ekonomi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Siliwangi, Tasikmalaya. Dibawah bimbingan Ati Sadiyah, S.Pd., M.Pd dan Kurniawan S.Pd., M.M

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan berpikir kritis siswa pada pembelajaran ekonomi di SMA Negeri 1 Manonjaya. Proses pembelajaran yang masih berpusat pada guru menyebabkan siswa kurang aktif dalam menganalisis permasalahan, berdiskusi, dan mengemukakan pendapat. Penelitian ini bertujuan menganalisis pengaruh penerapan model pembelajaran *Think Talk Write* (TTW) berbantuan *Artificial Intelligence* (AI) terhadap kemampuan berpikir kritis siswa. Penelitian dilaksanakan pada tahun 2026 menggunakan metode quasi eksperimen dengan desain *nonequivalent control group design*. Sampel penelitian berjumlah 72 siswa yang terdiri atas 36 siswa kelas eksperimen dan 36 siswa kelas kontrol yang dipilih menggunakan teknik *purposive sampling*. Data dikumpulkan melalui tes kemampuan berpikir kritis berupa *pre-test* dan *post-test*, kemudian dianalisis menggunakan uji *paired sample t-test*, *independent sample t-test*, dan *N-Gain*. Hasil penelitian menunjukkan bahwa kemampuan berpikir kritis siswa pada kelas eksperimen mengalami peningkatan yang lebih tinggi dibandingkan kelas kontrol. Peningkatan tersebut terlihat pada kemampuan menganalisis permasalahan, mengevaluasi informasi, mengemukakan argumen, dan menarik kesimpulan secara logis. Hasil uji statistik menunjukkan adanya perbedaan yang signifikan antara kemampuan berpikir kritis siswa sebelum dan sesudah penerapan model pembelajaran *Think Talk Write* (TTW) berbantuan *Artificial Intelligence* (AI), serta terdapat perbedaan yang signifikan antara kelas eksperimen dan kelas kontrol setelah perlakuan diberikan.

Kata Kunci: *Think Talk Write* (TTW), *Artificial Intelligence* (AI), kemampuan berpikir kritis.

ABSTRACT

Neng Wifqi Muslimati, 2026. THE IMPLEMENTATION OF THE THINK TALK WRITE (TTW) LEARNING MODEL ASSISTED BY ARTIFICIAL INTELLIGENCE (AI) IN IMPROVING STUDENTS' CRITICAL THINKING SKILLS AT SMA NEGERI 1 MANONJAYA (*A Quasi-Experimental Study on Economics Subject of Eleventh Grade Students at SMA Negeri 1 Manonjaya*). Department of Economic Education, Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya. Supervised by Ati Sadiah, S.Pd., M.Pd. and Kurniawan, S.Pd., M.M.

This study was motivated by the low level of students' critical thinking skills in Economics learning at SMA Negeri 1 Manonjaya. The teacher-centered learning process limited students' opportunities to actively analyze problems, participate in discussions, and express their opinions. Therefore, an innovative learning model is needed to enhance students' critical thinking skills, one of which is the Think Talk Write (TTW) learning model assisted by Artificial Intelligence (AI). This study aimed to analyze the effect of implementing the Think Talk Write (TTW) learning model assisted by Artificial Intelligence (AI) on students' critical thinking skills. This research was conducted in 2026 using a quasi-experimental method with a nonequivalent control group design. The sample consisted of 72 students, including 36 students in the experimental class and 36 students in the control class, selected through purposive sampling. Data were collected using pre-test and post-test essay tests measuring critical thinking skills and were analyzed using the paired sample t-test, independent sample t-test, and N-Gain test. The results showed that students' critical thinking skills in the experimental class improved more significantly than those in the control class. The improvement was reflected in students' ability to analyze problems, evaluate information, formulate arguments, and draw logical conclusions. Statistical analysis revealed significant differences in critical thinking skills before and after the implementation of the Think Talk Write (TTW) learning model assisted by Artificial Intelligence (AI), as well as significant differences between the experimental and control classes after the treatment.

Keywords: Think Talk Write (TTW), Artificial Intelligence (AI), critical thinking skills.