

ABSTRAK

Shely Seldiana, 1202050118 (2025). “Penerapan Model Pembelajaran *Team Accelerated Instruction* (TAI) Berbantuan Aplikasi *Video-Scribe* Untuk Meningkatkan Kemampuan Koneksi Matematis Dan *Self-Confidence* Peserta Didik”

Latar belakang penelitian ini adalah rendahnya kemampuan koneksi matematis dan *self-confidence* di lapangan. Hal ini didukung oleh hasil studi pendahuluan yang dilakukan di salah satu sekolah di kota Bandung. Salah satu solusi untuk menangani permasalahan tersebut adalah dengan penggunaan model pembelajaran yang disesuaikan dengan perkembangan zaman. Oleh sebab itu, tujuan penelitian ini adalah untuk menerapkan model pembelajaran *Team Accelerated Instruction* (TAI) berbantuan aplikasi *video-scribe* dengan harapan dapat meningkatkan kemampuan koneksi matematis serta *self-confidence* peserta didik. Metode yang dipilih yaitu kuasi eksperimen dan sumber data diperoleh dari hasil observasi, *pre-test*, dan *post-test* peserta didik kelas VIII SMP Negeri 4 Cileunyi. Hasil penelitian yaitu keterlaksanaan proses pembelajaran guru dan peserta didik menggunakan TAI berbantuan aplikasi *video-scribe* memperoleh kriteria sangat baik dan baik, peningkatan kemampuan koneksi matematis peserta didik eksperimen lebih baik daripada peserta didik kelas kontrol, pencapaian *self-confidence* peserta didik yang menggunakan TAI berbantuan aplikasi *video-scribe* lebih baik daripada peserta didik yang menggunakan konvensional.

Kata Kunci: *Team Accelerated Instruction*, Koneksi Matematis, *Self-Confidence*



ABSTRACT

Shely Seldiana, 1202050118 (2025). “Implementation of the Team Accelerated Instruction (TAI) Learning Model Assisted by the Video-Scribe Application to Improve Students Mathematical Connection Ability and Self-Confidence”

This research focuses on the low mathematical connection ability and self-confidence among students in this field. This is supported by the results of a preliminary study conducted in one of the schools in Bandung City. One solution to address this issue is the use of learning models that are adapted to the times. Therefore, the purpose of this research is to apply the Team Accelerated Instruction (TAI) learning model assisted by the video-scribe application in the hope of improving students' mathematical connection abilities and self-confidence. The chosen method is quasi-experimental, and data sources are obtained from observations, pre-tests, and post-tests of 8th-grade students at SMP Negeri 4 Cileunyi. The research findings are as follows: the implementation of the teaching and learning process by teachers and students using TAI assisted by the video-scribe application achieved very good and good criteria; the improvement in students' mathematical connection abilities in the experimental group was better than in the control group; and the self-confidence achievement of students using TAI assisted by the video-scribe application was better than that of students using conventional methods.

Keywords: Team Accelerated Instruction, Mathematical Connection, Self-Confidence

