ABSTRAK

Salsabila Abriandita, **"Penerapan Model Pembelajaran *Auditory Intellectually Repetition* (Air) Berbantuan E-Modul Untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Dan Kemandirian Belajar Siswa"**

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan pemecahan masalah matematis serta kemandirian belajar siswa yang didukung dari hasil studi pendahuluan di salah satu sekolah di Kota Bandung. Salah satu alternatif untuk mengatasi permasalahan tersebut yaitu dengan menerapkan model pembelajaran *Auditory Intellectually Repetition* (AIR) Berbantuan E-Modul. Tujuan penelitian ini untuk membantu meningkatkan kemampuan pemecahan masalah dan kemandirian belajar melalui pembelajaran tersebut. Penelitian ini dilakukan di SMPN 1 Jatinangor di dua kelas menggunakan metode *quasi eksperimen*. Instrumen pengumpulan data penelitian terdiri dari instrumen tes yang telah melewati uji validitas, uji reliabilitas, uji daya beda, dan uji tingkat kesukaran, serta instrumen non tes terdiri dari lembar observasi keterlaksanaan aktivitas guru dan siswa dan lembar kemandirian belajar siswa. Hasil penelitian menunjukkan keterlaksanaan aktivitas guru dan siswa pada proses pembelajaran *Auditory Intellectually Repetition* (AIR) berbantuan E-Modul dikategorikan sangat baik, peningkatan kemampuan pemecahan masalah siswa yang menggunakan model *Auditory Intellectually Repetition* (AIR) Berbantuan E-Modul lebih baik daripada siswa yang menggunakan konvensional, kemandirian belajar siswa yang menggunakan *Auditory Intellectually Repetition* (AIR) Berbantuan E-Modul sebagian besar memberikan sikap positif.

Kata Kunci: Kemampuan Pemecahan Masalah, *Auditory Intellectually Repetition* (AIR), E-Modul

ABSTRACT

Salsabila Abriandita, **"Application of Auditory Intellectually Repetition (Air) Learning Model assisted by E-Module to Improve Mathematical Problem-Solving Ability and Student Learning Independence"**

This study was motivated by the low mathematical problem-solving ability and student learning independence supported by the results of preliminary studies in one of the schools in Bandung City. One alternative to overcome these problems is by applying the Auditory Intellectually Repetition (AIR) learning model assisted by E-Modules. The purpose of this research is to help improve problem solving skills and learning independence through this learning. This research was conducted at SMPN 1 Jatinangor in two classes using the quasi-experimental method. The research data collection instruments consisted of test instruments that had passed the validity test, reliability test, differentiability test, and difficulty test, and non-test instruments consisting of observation sheets of teacher and student activity implementation and student learning independence sheets. The results showed that the implementation of teacher and student activities in the learning process of Auditory Intellectually Repetition (AIR) assisted by E-Module was categorized as very good, the improvement of students' problem solving ability using Auditory Intellectually Repetition (AIR) model assisted by E-Module was better than students using conventional, students' learning independence using Auditory Intellectually Repetition (AIR) assisted by E-Module mostly gave a positive attitude.

Keywords: Problem Solving Ability, Auditory Intellectually Repetition (AIR), E-Module