

## ABSTRAK

**Lira Anggraeni Santosa, 1202050067, 2024. “Penerapan Pembelajaran *Modeling Instruction* berbantuan Aplikasi *EdLink* untuk Meningkatkan Kemampuan Berpikir Komputasi dan *Curiosity* Peserta Didik”**

Kemampuan berpikir komputasi dan *curiosity* peserta didik merupakan salah satu kunci dalam proses pembelajaran matematika, namun seringkali kurang optimal dalam pembelajaran konvensional. Penelitian ini bertujuan untuk menganalisis efektivitas penerapan pembelajaran *modeling instruction* berbantuan aplikasi *edlink* dalam meningkatkan kedua aspek tersebut. Metode penelitian yang digunakan yaitu metode eksperimen dengan desain penelitian *nonequivalent control group design*. Populasi dan sampel penelitian ini yaitu kelas XI-MIPA SMA Karya Budi Cileunyi sebanyak dua kelas. Instrumen yang digunakan pada penelitian yaitu instrumen tes berupa soal uraian sebanyak lima soal dan instrumen non tes berupa lembar observasi dan lembar angket skala sikap sebanyak tiga puluh pernyataan. Hasil analisis data penelitian diperoleh; sintak pembelajaran *modeling instruction* berbantuan *EdLink* berdasarkan lembar observasi guru memperoleh hasil yang baik, sementara lembar observasi peserta didik menunjukkan hasil yang cukup, serta peningkatan kemampuan berpikir komputasi dan *curiosity* peserta didik dengan pembelajaran *modeling instruction* berbantuan aplikasi *edlink* tidak lebih baik dibandingkan dengan peserta didik dengan pembelajaran konvensional. Berdasarkan hasil tersebut, peneliti menyarankan adanya perbaikan dalam pelaksanaan pembelajaran *modeling instruction* berbantuan aplikasi *edlink*.

**Kata Kunci: *Modeling Instruction*, *EdLink*, Berpikir Komputasi, *Curiosity***

## ABSTRACT

**Lira Anggraeni Santosa, 1202050067, 2024. “Application of Modeling Instruction Learning assisted by EdLink Application to Improve Students' Computational Thinking Ability and Curiosity”.**

*The ability to think computationally and curiosity of students is one of the keys in the process of learning mathematics, but it is often less than optimal in conventional learning. This study aims to analyze the effectiveness of the application of modeling instruction learning assisted by edlink application in improving both aspects. The research method used is an experimental method with a research design of nonequivalent control group design. The population and samples of this study were the XI-MIPA class of Karya Budi Cileunyi High School as many as two classes. The instruments used in the study were test instruments in the form of five description questions and non-test instruments in the form of observation sheets and attitude scale questionnaire sheets totaling thirty statements. The results of the research data analysis obtained; the implementation of learning modeling instruction assisted by EdLink based on the teacher observation sheet obtained good results, while the student observation sheet showed sufficient results, and the improvement of computational thinking skills and curiosity of students with learning modeling instruction assisted by EdLink application was not better than students with conventional learning. Based on these results, researchers suggest improvements in the implementation of modeling instruction learning assisted by edlink application.*

**Keywords: Modeling Instruction, EdLink, Computational Thinking, Curiosity**

