ABSTRACT


Students have important mathematical abilities, one of which is the ability to connect mathematically. Mathematical connection skills are a prerequisite for students to master other higher mathematical abilities. Then, affective abilities are also important and must be possessed by students, one of which is Self-Efficacy. One learning model that is appropriate for improving students' mathematical connection skills and Self-Efficacy is the 7E Learning Cycle model. The 7E Learning Cycle model has seven stages in the implementation of learning, namely Elicit, Engagement, Exploration, Explanation, Elaboration, Evaluation, and Extend. This study aims to: (1) analyze how the ability of students to connect mathematics through the 7E Learning Cycle model, (2) analyze how self-efficacy of students through the 7E Learning Cycle model, (3) analyze how the relationship between mathematical connection skills and students' self-efficacy. The method used is qualitative research with the type of literature study research. The data sources used are primary data and secondary data. The research techniques used were Editing, Organizing, and Finding. The data analysis used was deductive and comparative. The results showed that: (1) Learning Cycle 7E model has a positive impact on students' mathematical abilities, (2) Application of the 7E Learning Cycle model can develop students' mathematical connection skills and Self-Efficacy, (3) There is a link between mathematical connection abilities and Self-Efficacy of students. Which means that the higher the student's Self-Efficacy, the higher the mathematical connection ability.

Keywords: Mathematical Connection Ability, Self-Efficacy, 7E Learning Cycle Model