

## ABSTRACT

Dita Nur Octaviane Setiadi. (2019). **Increasing Junior High School Students' Mathematical Critical and Self-regulated Learning Thinking Skills through Search, Solve, Create, and Share (SSCS) Learning Models.**

This study aims to: (1) find out whether the increase in mathematical critical thinking skills of students who obtain the Search, Solve, Create, and Share (SSCS) learning models is higher than students who obtain the usual learning model; (2) find out whether self-regulated learning students who obtain the Search, Solve, Create, and Share (SSCS) learning models are better than students who get regular learning; (3) find out whether there is a correlation between mathematical critical thinking skills and self-regulated learning students who obtain the Search, Solve, Create, and Share (SSCS) learning models. The method used in this research is the experimental method with the research design of the pretest-posttest control group. The subjects in this study were seventh grade students of YWKA Bandung Junior High School. For the study sample class VII B as the experimental class that received the learning model Search, Solve, Create, and Share (SSCS) and class VII C as the control class that received the usual learning model. The instrument used in this study is a matter of a description of the test of mathematical critical thinking skills and the scale of self-regulated learning. The collected data is then processed using IBM SPSS 23.0 for Windows software. The results of the study showed that: (1) the increase in mathematical critical thinking skills of students who obtained the Search, Solve, Create, and Share (SSCS) learning models was higher than that of students who received regular learning; (2) self-regulated learning of students who obtain the Search, Solve, Create, and Share (SSCS) learning models better than students who obtain the usual learning model; (3) there is a correlation between mathematical critical thinking skills and self-regulated learning of students who obtain the Search, Solve, Create, and Share (SSCS) learning models.

**Keywords:** Mathematical critical thinking skills, self-regulated learning, search solve create and share.