

ABSTRACT

AHMAD MUHADZDZIB. Application of Cooperative Integrated Reading and Composition (CIRC) Learning Model to Improve Student's Critical Thinking Ability in Mathematics Learning in Grade 7 H SMP Negeri 99 Jakarta. Essay. Jakarta: Mathematics Education Study Program, Mathematics Department, Faculty of Mathematics and Natural Sciences, Jakarta State University, 2018.

This study aims to improve students' critical thinking skills in learning mathematics with Cooperative Integrated Reading and Composition (CIRC) learning model. This research took place in August 2018 at SMP Negeri 99 Jakarta. This research is a classroom action research conducted in three cycles with each cycle consisting of planning, implementation, analysis, and reflection. Each cycle consists of two meetings to apply the CIRC learning model. In the core activity, the CIRC learning model stage is one of the students in turn to read the issue intensively while the other students (listening, understanding, interpreting and mutually making small notes of basic ideas of problem solving), the students revise or discuss the main ideas, and students present the final answer.

Research subjects (SP) consisted of 6 students consisting of 2 high-ability students, 2 medium-skilled students, and 2 low-ability students. Prior to conducting the research, conducted pre-research tests in grade 7 H SMP Negeri 99 Jakarta menunjukkan that students' critical thinking skills in learning mathematics is still low. It is also supported by the results of interviews with classroom teachers that required a model of learning that can make students able to think critically in learning mathematics.

Based on the research that has been done, students' critical thinking skills in learning mathematics experience a good improvement. This can be seen from interviews conducted by teachers and students and the results of each final test cycle. The average value of the end test of cycle I was 53.73, increased in cycle II to 67.86, and increased again in cycle III to 79.84. The conclusion of the result of this research is the increasing of students' critical thinking ability in learning mathematics with CIRC learning model. The students' critical thinking skills in mathematics learning in grade 7H of SMP Negeri 99 Jakarta in all cases improved in high academic groups, medium academic groups, and low academic groups.

Keywords: Student Critical Thinking Ability in Mathematics Learning, CIRC Learning Model