

## ABSTRACT

**OKTAVIANI NURANGGRAENI.** Efforts to Improve the Ability of Problem Solving Mathematics Through Application of Cooperative Integrated Reading and Composition (CIRC) Learning Methods for Class XII IPS Students of SMA Negeri 1 Bekasi. Essay. Jakarta: Mathematics Education Program, Mathematics Department, Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, 2017.

Based on the results of the observation and the results of the students initial ability tests conducted in class XII IPS SMA Negeri 1 Bekasi, showed that students math problem solving ability is still low. One of the learning methods that can be used as a learning method is cooperative integrated reading and composition (CIRC). CIRC learning method is a learning method that can improve students 'mathematical problem solving skills because it improves students' understanding so they can create a mathematical model of the description problem. This study aims to improve students' mathematical problem solving skills through the application of CIRC learning method for IPS class XII students in SMA Negeri 1 Bekasi.

This study is a classroom action research conducted three cycles where each cycle using CIRC learning method. At the end of each cycle, a final test of the cycle is conducted to measure the students' mathematics problem solving skills in grade XII IPS SMA Negeri 1 Bekasi. Research subjects used in this study were 6 of 30 students class XII IPS SMA Negeri 1 Bekasi.

The results showed that the CIRC learning method can improve students' math problem solving skills. This is shown that the increasing average score of math problem solving skills every cycle. In cycle III the number of students achieving the score of problem solving abilities above score 13 is 23 students from 30 students, with 85.19% percentage and all subjects reach the score of problem solving abilities above score 13, based on the indicator of achievement cycle that at least 80% of the number of students reached a score above 13, then on the third cycle has been achieved.

**Keywords: Cooperative Integrated Reading and Composition (CIRC) Learning Method, Ability of Mathematics Problem Solving.**