

## **ABSTRACT**

Na'immatur Rokhmah. (2020). *Analysis of Students' Reflective Thinking Abilities through Problem Solving.*

*Students' reflective thinking ability is still rarely used, so that it affects the students' low mathematical reflective thinking ability. One learning that can improve reflective thinking skills is learning through problem solving. This research was conducted aiming to: a) to analyze mathematics learning using students' mathematical reflective thinking skills through Problem Solving, b) to analyze differences in relevant research results on mathematical reflective thinking abilities through Problem Solving in mathematics learning, c) to analyze the effectiveness of Problem Solving learning towards students' reflective thinking abilities. The research method used in this study is a qualitative method, with the type of research that is library research or library research. The data used in this study are primary and secondary data, and data analysis used by researchers is inductive and historical. The results of the study found are: a) reflective thinking 10 studies stated the ability of mathematical reflective thinking through Problem Solving was able to achieve high reflective thinking and 8 researchers stated the ability of reflective mathematical thinking through Problem Solving was able to achieve sufficient reflective thinking. So it can be concluded that the ability of mathematical reflective thinking can be applied, developed, and improved through Problem Solving, b) There is a difference in the ability of reflective thinking through problem solving from several studies that have been reviewed namely there are 6 aspects. The 6 aspects are learning strategies, learning activities, mathematical abilities, motivation, gender, and cognitive style, c) the effectiveness of problem solving learning towards the reflective thinking ability of students has a good level of effectiveness.*

**Keywords:** *reflective thinking ability and problem solving*