

ENHANCEMENT OF MATHEMATIC OUTCOMES THROUGH DISCOVERY LEARNING

**(Action Research in Second Grade Students of Madrasah Ibtidaiyyah
Ishlahuddiniyyah, Pondok Aren District, Tangerang,
in Academic Year 2012/2013)**

WULAN PERAWATI

ABSTRACT

This study is aimed to determine how the process of learning in improving students' mathematics outcomes through discovery learning and to determine the yield increase students' mathematics outcomes through discovery learning. This study was conducted on students of class II MI Ishlahuddiniyyah, Pondok Aren District, Tangerang in academic year 2012/2013. The method used in this study is action research (action research) developed by Kemmis and Taggart. Analysis of the data used in this study is done in two ways: quantitative and qualitative approaches. Quantitative analysis showed an increase in students' mathematics learning outcomes from pre-study to the first cycle is equal to 31.87%. Under an agreement with collaborators successful can occur if there is an increase in students' mathematics learning outcomes of at least 20%. In this study, an increase in students' mathematics learning outcomes already surpassed 20%, thus the research hypothesis can be accepted. The results showed that the application of measures of learning mathematical discovery in the learning process is proven to improve students' mathematics learning outcomes. In this case the concepts of the subject matter of abstract mathematics can be understood students with direct experience and active involvement of students in the learning process of the invention. In addition, aspects of the mathematical ability of students consisting of problem solving ability as activities and questioning, reasoning ability and the ability to develop good communication. Increased ability of math students through the learning process of the invention is supported by activities that are learning by doing.

Keywords: Math learning outcomes, discovery learning, action research.