

**ENHANCING STUDENT'S MATHEMATICAL PROBLEM SOLVING
ABILITY THROUGH CONTEXTUAL TEACHING
AND LEARNING (CTL) APPROACH**

Natalita Siahaan (4113312011)

ABSTRACT

The purpose of this research was to know how enhancing student's mathematical problem solving ability by implementing Contextual Teaching and Learning (CTL) approach was conducted in SMP Negeri 1 Parbuluan. The type of this research was Classroom Action Research.

The subjects of this research were students of VIII-A class in academic year 2014/2015 that have total of 34 students. The object of this research was student's problem solving ability and Contextual Teaching and Learning (CTL) approach.

This research was implemented by 2 cycle. Every cycle was consist 2 meetings. Test of student's mathematical problem solving ability was done in the end of cycle. Instrument used to collect the data in this research is test and observation sheet.

The results of this study shown that: (1) The results of student's problem solving ability test in the first cycle known the students can understanding the problem is 100% (very good), can devising a plan is 76.46% (enough), can carrying out the plan is 58.87% (less), can looking back is 48.83% (bad), the classical mastery was 38.23%. (2) The results of student's problem solving ability test in the second cycle known the students can understanding the problem is 100% (very good), can devising a plan is 86.3% (good), can carrying out the plan is 85.2% (good), can looking back is 82.4% (good), the classical mastery was 85.30%. (3) The process of student's answer were reached good category. (4) Learning by using Contextual Teaching and Learning (CTL) approach can make student's activity and teacher's activity were good categorized in learning.

From the results of this research can be concluded that the implementation of Contextual Teaching and Learning (CTL) approach can improve student's problem solving ability. The suggestion that given for teachers is to be able to implement Contextual Teaching and Learning (CTL) approach as an alternative in the learning process that can improve problem solving ability.