

**THE IMPLEMENTATION OF CREATIVE PROBLEM SOLVING
MODEL TO IMPROVE MATHEMATICAL CREATIVE
THINKING ABILITY IN GRADE X AT
SMAN 1 MATAULI PANDAN**

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ABSTRACT

The aim of this research is to improve students' mathematical creative thinking ability in the classroom taught using Creative Problem Solving (CPS). The design of this research is Classroom Action Research (CAR). The object of this research is the implementation of CPS model. The subject of this research is all students in grade X-A 4 SMAN 1 Matauli Pandan Academic year 2018/2019 consist of 33 students. The result of this research are: (1) The number of students who reach category completed for MCTA test in cycle I are 8 persons with percentage of completeness is 24,24%, students not completed are 24 persons with percentage of completeness is 75,76% and the score of MCTA reached is 2,09 in low criteria, (2) The number of students who reach category completed for MCTA test in cycle II are 31 persons with percentage of completeness is 93,94%, students not completed are 2 persons with percentage of completeness is 6,06% and the score of MCTA reached is 2,94 in high criteria (3) Learning by implemented CPS model could make the students' activity was good category in learning, and (4) Learning by implemented CPS model can improve students' mathematical creative thinking ability.

Keywords: Mathematical Creative Thinking (MCTA), Creative Problem Learning (CPS)

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