

## ABSTRACT

### IMPROVING SCIENCE LEARNING USING COOPERATIVE LEARNING MODEL OF TEAM ASSISTED INDIVIDUALIZATION IN JUNIOR HIGH SCHOOL OF 5 BLAMBANGAN UMPU

By

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The purposes of this research were (1) to design lesson plan, (2) to analyze the implementation of learning, (3) to analyze learning test instrument, and (4) to analyze the improvement of student achievement using cooperative learning model of *TAI*.

This research consist of three cycles. The first cycle using cooperative learning model of *TAI* type with media tools simple experiment. The second cycle with media images. The third cycle time using the LCD.

The research results were (1) lesson plan design with syntax: a) apperception and motivation by providing questions and display media tools simple experiment, b) the establishment of the group, c) division of worksheet, d) delivery of content in outline by the teacher, e) each individual student learning, f) discussion groups and carry out experiments using worksheets, g) presentation and question and answer results of group discussions, h) test at the end of the lesson, i) awards group, j) gives the deepening classical teacher, k) summarizes the conclusions of learning. (2) the most prominent teacher's activities are doing apperception, motivating the student, reading the SK, KD, indicator and learning purpose, giving the test at the end of the learning activity, and student's the most prominent activity are cooperating and information changing. (3) Instrument test learning used 10 essay questions with very high validity and reliability. (4) Learning achievement gradually increased in grade VII.2 and VII.3, followed the following order, at the first cycle it increased by 56, 67 % and 46, 67 %, at the second cycle it increased by 66, 67 % and 56, 67 % and at the third cycle it increased by 73, 33 % and 76, 67 %.

**Keywords:** cooperative, team assisted individualization, science learning achievement