ABSTRACT

IMPLEMENTING LEARNING MODEL OF CHAIN STAD COOPERATIVE THROUGH SCIENTIFIC APPROACH TO IMPROVE CREATIVE THINKING SKILL OF PHYSICS SUBJECT OF STATE SENIOR HIGH SCHOOL 1 WAY JEPARA

By
Sutimin

The purposes of this research were to improve learning by analyzing and finding: lesson plan, learning implementation, assessment, increase creative thinking.

There were three cycles in this research. On the first cycle of chain STAD groups based on basic mathematic test result, high score students were trained by teachers to help friends in a chain, On the second cycle of chain STAD groups based on first cycle of test result, high score students to help friends in a chain, On the third cycle of chain STAD groups based on second cycle of test result. Instrument for collecting the data are observation, questionnaire, test and subsequently analyzed by descriptive quantitative.

The results of this research teachers were able to design lesson plans through scientific approach to the final score of 4.11 on the first cycle, the final score of 4.22 on the second cycle, the final score of 4.28 on the third cycle; student learning activity increased from the first cycle to the third cycle of 8 active students, and teachers in the learning activity increased from the first cycle to the third cycle of 3.53; the results of the analysis of items on average each end of the first cycle to the third cycle of medium difficulty level (0.69), sufficient different power (0.46), very high validity (0.84), high reliability (0.89); increasing of creative thinking skill 65.63% on the first cycle, 84.38% on the second cycle, 84.38% on the third cycle.

Key word : creative thinking, cooperative, chain STAD.