

ABSTRACT

Eva Elida. The application of the cooperative model learning type STAD on learning mathematics to improve the ability think critically mathematical junior high school students.

This research in background by low ability think critically mathematical student who make students often feel difficulty in resolving questions have been mathematical. Recall that students having characteristics of different, one theory learning alternative to improve the ability to think critically is stad. researchers aims to; (1) increased capacity think critically mathematical student that studies structure use the model learning cooperative type *Student Team Achievement Division (STAD)* better than students who use the conventional; (2) a students to learning activities mathematics with use the model *Student Team Achievement Division (STAD)*; (3) to see if there is a correlation between positive attitude the student with the capacity to think critical mathematical student. According to the methods, this research is research experiment. The population of the research is all students VII junior Pasundan 6 Bandung academic year 2015-2016. But study sample is a student VII by two classes were randomly selected according to the class. An instrument used in research it will be a test type the discussion the questions the capacity to think critical mathematical and scale of their use the model scale likert. Scale attitude with statements about math, learning model stad, and think critically mathematically students. The analysis by using the distribution of normality, the two variance homogeneity, and the similarity two. From the study, the results as follows ; (1) capacity mathematical think critically students who use *Student Team Achievement Division (STAD)* learning model is better than students who use konvensional learning model; (2) attitude students positive on learning mathematics using learning model *Student Team Achievement Division (STAD)*; (3) There is a correlation between positive very low ability to think critically mathematical and attitude students who use the model of learning STAD. Hence learning model stad can be used as an alternative for teachers in implementing learning to creating a learning active, effective and pleasing.

Keyword : think critically mathematical, learning model *Student Team Achievement Division (STAD)*