**ABSTRACT**

**Asyhar Rifa'i. *Differences Learning Outcomes Students With Learning CTL and Learning STAD Model to Content Operation Count Smithers At MTs Sultan Agung Jabalsari*. Thesis, Department Tadris Mathematics, Faculty of Tarbiyah and Teaching Science IAIN Tulungagung Supervisor: Mrs. Asmarani, M.Pd.**

**Keywords: Learning Outcomes, learning CTL, STAD Model**

The research in this thesis is motivated by the fact in the classroom, many teachers found lectures models still apply. In the application of models of the lecture, some students are bored on the lessons it conveys. As a result, students are still talking to himself as the teacher explains the material in front of the class. Obviously this will interfere with another friend while understanding the subject matter and will greatly affect the students' learning outcomes. In order to the learning process more effective, there needs to be an appropriate learning model.

The purpose of this study was to determine differences student learning outcomes and the learning model CTL and STAD model of arithmetic operations on fractions of the material in MTs Sultan Agung Jabalsari.

This research used a quantitative approach. Quantitative is used to calculate the student learning outcomes in second grade, the type of research experiments. Collecting data in this study is using the test method. The method used to determine differences in learning outcomes between students who were taught mathematics learning model CTL with STAD on fractions. The samples in this study using cluster random sampling (sampling area) because in this study distinguishes two classes or take samples of class A and class VII C, samples were taken of 40 students.

After the researchers to conduct research and processing of the data obtained, the calculation and analysis prove that the t-test to the results obtained t learn from the calculation of the t-test of 3.88. While ttable at 5% significance level is 1.73. It can be concluded that there are differences in learning outcomes of mathematics with material fractional arithmetic operations using the model of STAD (Student Team Achievement Devisions) and learning model CTL (Contextual Teaching and Learning) in the seventh grade students of MTs Sultan Agung Jabalsari academic year 2013/2014.