

## ABSTRACT

### *Influence of Learning Strategies Againsts Type of Card Sort Results Learning Mathematics Class X SMA PGRI Sumenep*

*Keywords : Learning Strategies Type of Card Sort, Learning Outcomes*

*The purpose of this study determine the differences in learning outcomes of students that used the learning of strategies with learning sort of card types that do not use the type of card sort of learning strategies and to determine the type of card sort of learning strategies affected to outcomes learning of mathematics class X SMA PGRI Sumenep.*

*This research is a quantitative research. The strategy of card sort type is collaborative activities that could be used to teach the concepts, characteristics, classification, facts, about the object or review information. And the learning outcomes is the level of success achieved by the students after participating in a learning activity. Where in this study to determine student learning outcomes, the researchers used a test, namely the post-test. The hypothesis in this study is  $H_a$ : learning strategies influence the type of card sort of learning outcomes mathematics class X SMA PGRI Sumenep and  $H_o$ : learning strategies sort of card types do not affect the outcomes of learning mathematics class X SMA PGRI Sumenep.*

*This research technique using self-designed experiments. Instruments used to collect data in this study is about the test is post-test. Data collected by the test method. Data analysis techniques in the study conducted two tests are different power test and  $t$  test.*

*Based on the test results obtained by different power 0.4481982. That  $0.4481982 > 0.25$ , it indicates that have a difference in learning outcomes of student experimental classes and control classes. Based on the results obtained  $t_{hitung}$   $t$  test of 7.381 and  $t_{tabel} = 1.671$ . Because  $t_{hitung} = 7.381 > t_{tabel} = 1.671$ , then it indicates that the learning strategy of card sort type influence to learning outcomes.*