

ABSTRACT

ASSRI KUSUMA RICKA *Efforts to improve the understanding of the concept of mathematical model with applying learning cooperative type cooperative script in class X 60 Senior High School Jakarta .*

Skripsi. Jakarta: Program Studi Pendidikan Matematika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Jakarta, 2017.

Research aims to apply learning model cooperative type cooperative script to improve understanding the mathematical conception graders X SMAN 60 Jakarta. Based on observations in class X MIPA 3 SMAN 60 Jakarta, shows that the understanding the mathematical conception students low, that needs to be improved. Learning model cooperative type cooperative script becomes an alternative learning math in the classroom. The cooperative in learning model type cooperative script was teachers divide students pairs, teachers share matter to each student to be made a summary matter, teachers and students determine who is first act as speakers and who has listeners, speaker read the two cent tour, while his audience, corrects, showed basic ide-ide not complete and aid recall, exchanging role, were exchanged into the audience and vice versa, and teachers provide a summary.

The kind of research this is research the act of class made in the three cycles. Every cycle consisting of four stages including planning, the implementation of the, observation, and reflection. In every cycle learning activities apply learning model cooperative type cooperative script. There were six the subject of study: two students who have the ability academic above average, two students have the ability academic the average, and two students have the ability academic below average. Students be given tests the end of cycle to measures the understanding a mathematical conception of students. The period for implementation of the visit in april up to may 2017 in the class X MIPA 3 SMAN 60 Jakarta 2016-2017 academic year. From the classroom x mipa 3 were 35 people.

The result showed that learning mathematics use the model of learning cooperative type cooperative the script can improve the ability of understanding a mathematical conception of students .It is based on an increase in the average value of the tests the ability of a mathematical conception of understanding during the three cycles .The percentage of the ability of a mathematical conception of understanding a student of class X MIPA 3 on the cycle i is located in the prologue either namely 67,8 increase in cycle ii be into the category of a very good namely 81,28 , and rose again in the cycle iii remain into the category of a very good namely 85,65 .On the cycle i only 17,14 percent of students got mark above criteria ketuntasan minimal (kkm) , on the cycle ii increased to 74,28 % and in the cycle iii increased to 77,14 %

Key Words: *Understanding the Mathematical Conception, Learning Model Cooperative Type Cooperative Script*