

ABSTRACT

Thesis titled "Diferencess mathematics's study result between Discovery Learning and Problem Based Learning at Boyolangu 1st High School XI Social Students", written by: Lenti Agustin, NIM. 3214113099. Advisor: Dr. Muniri, M.Pd
Keyword: Scientific Approach, *Discovery Learning*, *Problem Based Learning*, Learning Result.

The application of 2013 curriculum is a must to all of education institute since 2014/2015. The application of this new curriculum show many problems at field, either at human resources and the facilities. Issue of this problems made Education and Art Minister decide to stop the application of 2013 curriculum for every school that apply this curriculum which is not more than one semester. Tulungagung has five schools underneath Education and Art Minister that been choosen as the example application of 2013 curriculum. Therefore, researcher aim to research learning result of students which were using scientific approach learning. Therefore, researcher compares the mathematics learning results which using Discovery Learning and Problem Based Learning

Research problem at this thesis are, are there differences mathematics learning result at following aspect : (1) skill, (2) knowledge, and (3) manner between scientific approach Discovery Learning model and Problem Based Learning at XI science 1st Boyolangu Senior High School students? As for the aim of this research are to find the differences mathematic learning result at following aspect (1) skill, (2) knowledge, and (3) manner between scientific approach Discovery Learning model and Problem Based learning at XI Science 1st Boyolangu Senior High School students

The research methode is quantitative with experimental research type. Sampling technique will be used is cluster sampling. This research sample was XI IIS3 and XI IIS4 class. Total sample are about 62 students. Data resources of this research is primer data. As for data collection technique using test and questionnaire. Test is bein used to collect data of mathematic learning result at knowledge aspect. Questionnaire is used for data collection of manner aspect. As for skill aspect, project assignment is being used.

The research results show : (1) there is no diferencess learning result for skills aspect, (2) there is diferencess mathematics learning result at knowledge aspect and (3) there is no diferencess learning result for manner aspect between scientific approach Discovery Learning model and Problem based learning at XI Science 1st Boyolangu Senior High School students

.Based on this research, it is suggested for mathematic teachers to more open for conducting learning scientific approach based. Mathematics learning at class sought using learning model that suit 2013 curriculum. For further researchers, it is expected to use this research result as inspiration for the further experiment