

**THE IMPLEMENTATION OF SCIENTIFIC APPROACH IN BIOLOGY
SUBJECT IN X AND XI GRADE AT MADRASAH ALIYAH
NEGERI (MAN) 1 MEDAN ACADEMIC YEAR 2016/2017**

Dwi Utari (Number : 4123342006)

ABSTRACT

This study aims to find the application of scientific approach in Biology's learning in X and XI grade of MAN 1 Medan. A descriptive qualitative research design was used in this study. There were 6 classes that chosen as the samples by applying cluster sampling, namely X MIA 5, X MIA 6, X MIA 8, XI MIA 1, XI MIA 2, and XI MIA 5. The used instrument was observation sheet of teacher's and students' learning activities. Research Data was the record of learning activities in X MIA 5, X MIA 6, X MIA 8, XI MIA 1, XI MIA 2, and XI MIA 5. The data were analyzed by analysis sheet that adopted from learning observation sheet according to Permendikbud No. 22 on year 2016 about the standard process of primary and secondary education. The result showed that Biology's learning in Class X and XI MAN 1 Medan had been used scientific approach generally. Score of scientific approach application in Biology Learning MAN 1 Medan for observation activity 100%, asking activity 66,7%, experimenting activity 66,7%, associating activity 58,3% and communicating activity 66,7%. The activity that dominantly done by the students was observing, meanwhile associating was the activity that rarely done. Teacher has used the varied learning media for done observing activity. Teacher did not provide the student worksheet activity in observing process. Student asked some questions that not suitable with the observed topic. Teacher helped some students in asking activity. Teacher did not use the another handbook, just use the book that used by student.

Keywords : *Scientific Approach, Learning Biology*