

**THE EFFECT OF INDEX CARD MATCH MODEL ON STUDENTS  
LEARNING OUTCOMES AND ACTIVITY IN ECOSYSTEM  
TOPIC FOR GRADE X SMA NEGERI 8 MEDAN  
ACADEMIC YEAR 2013/2014**

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**ABSTRACT**

This quasi experiment research aims to know about the effect of index card match model on students learning outcomes and activity in ecosystem topic in grade x SMA Negeri 8 Medan academic year 2013/2014 by using two sample groups. Experiment group taught with index card match model and control group with conventional model. The instruments used to obtain the data were observation sheet as non-test instrument and cognitive test in form of multiple choices as test instrument.

The result of this research showed that students learning outcome and activity taught index card match model is increased compare to the student who's taught by conventional model. This proved by  $X = 83.9$  and  $SD = 8.74$  on learning outcome for Index card match Class,  $X = 78.32$  and  $SD = 12.20$  for conventional Class. The hypothetical test also proved that learning outcome  $2.161 > 1.669$ ; otherwise for Learning activity has  $X = 69.33$  and  $SD = 7.217$  for index card match class, and  $X = 50.13$  and  $SD = 6.12$  for conventional Class. The hypothetical test for learning activity  $13.675 > 1.6696$ . Thus,  $H_0$  is rejected and  $H_a$  is accepted. It means that there is effect of index card match model on students learning outcomes and activity in ecosystem topic for grade x SMA Negeri 8 Medan Academic Year 2013/2014

Keyword : *Index Card Match Model, student learning outcome, student learning activity*