

**ANALYSIS OF MISCONCEPTION AND THE ROLE OF CONCEPT MAP  
TO MINIMIZE STUDENTS' MISCONCEPTION ON HUMAN  
DIGESTIVE SYSTEM TOPIC AT SMA NEGERI 1  
SIDIKALANG ACADEMIC YEAR 2015/2016**

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**ABSTRACT**

This study aimed to analyze the students' misconception in human digestive system topic and also to determine the role of concept map to minimize students' misconception that experienced by students of XI IPA grade in SMA Negeri 1 Sidikalang. The method used in study is descriptive and quasi experimental where the descriptive method is to investigate students' understanding of concept and students' misconception based on human digestive system topic. Second, quasi experimental research used after learning process. Quasi-experimental research used to determine the effect of concept map in reducing the students' misconception. The design of Quasi- experimental research used one group pretest-posttest design. Instrument that used for detecting students' misconception was two dimensional diagnostic test and for reducing students' misconception by using concept map. Students' misconception decrease from 54% to 33% after concept map is given in the learning process to study the concept in human digestive system topic. Based on the calculation, it was got  $t_{count}$  (3.195) and  $t_{table}$  (1.661), so  $t_{count}$  (3.195) >  $t_{table}$  (1.661). It was conclude that concept map has role in minimize students' misconception on topic human digestive system in SMA Negeri 1 Sidikalang Class XI IPA academic year 2015/2016.

*Keywords : Misconception, Students' misconception, Human digestive system*