THE EFFECT OF MIND MAP STRATEGY ON STUDENT LEARNING OUTCOMES AT TOPIC SENSORY SYSTEM IN CLASS XI SMA NEGERI 11 MEDAN ACADEMIC YEAR 2013/2014

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ABSTRACT

This study investigates the effect of Mind Map strategy on learning outcome of student at topic sensory system. The design adopted in the research was a quasi-experimental pretest and posttest method. The population of the study included all student class XI IPA SMA Negeri 11 Medan are 223. There were 2 classes chosen as the sample by applying purposive sampling technique. Those two classes are class XI IPA 5 that selected to be mind map class and XI IPA 6 students that selected to be without mind map class. The instrument used in this research was an objectives test that consist of 30 multiple choice questions that have been validated by validator. The result of hypothesis test for posttest showed that $t_{count} = 4.28 > t_{table} = 2.383$, P = 0.001 at the level significance of 0.01, means that H_a was accepted and H_0 was rejected. The average of student learning outcome in mind map class was 73.95 while in without mind map class was 67.16. From the calculation of t-test obtained $t_{calculate} > t_{table}$ (4.28 > 2.383). It means H_o was rejected and H_a was accepted, that means mind map has a significant effect on student learning outcome at topic sensory system in class XI IPA SMA Negeri 11 Medan academic year 2013/2014.

Keyword : *Effect, Mind Map, learning outcome*