The Effect Of Mnemonic Technique into Students Learning Outcome

And Retention Of Human Reproduction System Grade XI Science

SMA Negeri 8 Medan Academic Year 2013/2014

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ABSTRACT

This quasy experiment research aims to investigate the effect of student learning outcome and its retention through using mnemonic technique on human reproductive system in class XI science SMA Negeri 8 Medan Academic year 2013/2014. The population of this research was all students in class XI science SMA Negeri 8 Medan totaling 163 students. The sample waas taken by using purposive sampling and was obtained the sample for 41 students of mnemonic class (XI science 4) and 41 students of control class (XI science 3). The instrument of research was student's learning outcome test in multiple choise form consist of 30 questions which has been validited by expert. The result of data analysis showed that post-test in mnemonic class (78.90) and control class (71.70). After t test was carried out by using significant degree $\alpha = 0.05$, it was obtained that $t_{count} = 5.1502$ dan $t_{table} = 1.9901$, so $t_{count} > t_{table}$ (5.1502 > 1.9901). It means that there is significant difference between student learning outcome for mnemonic class and conventional class. Then, for retention test the result showed that the average value in mnemonic class (66.00) and control class (52.43). After t test was carried out by using significant degree $\alpha = 0.05$, it was obtained that $t_{count} = 7.084$ dan $t_{table} = 1.990$, so $t_{calculate}$ (7,084) > t_{table} (1.9901).it means that there is significant difference between student's retention in mnemonic class and control class. It was concluded that students' learning outcome and retention more better using mnemonic technique than conventional class that taught without mnemonic technique. This study imply that each teacher can choose this technique to increase quality of students' learning outcome and retention in biology matter expecially of human reproductive system topic in senior high school.

Keyword : Human Reproductive System, Learning Outcome, Mnemonic technique, Retention, Senior High School.