

**THE EFFECTIVENESS OF INTERACTIVE LEARNING MODULE TO  
IMPROVE SHS STUDENT'S LEARNING OUTCOMES ON THE  
TEACHING OF REDOX**

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**ABSTRACT**

The effectiveness of Interactive Learning Module on the teaching of Redox is explained here. This research conducted into three schools, those are SMAN 3 Medan, SMA Swasta Al-Ulum Medan and SMA Swasta Sutomo 2 Medan by using of media Interactive Learning Module in experimental class and Chemistry Text Book in control class.

The effectivity of Interactive Learning Module to improve Senior High School student's learning outcomes had found out from the ability of students answered the test before and after teaching and learning process. The result of this research showed that in SMAN 3 Medan and SMA Swasta Al Ulum Medan, the teaching and learning process with used Interactive Learning Module could improved SHS student's learning outcomes. In SMAN 3 Medan, the effectiveness of Interactive Learning Module of experiment class (50,92%) better than control class (36,94%). In SMA Swasta Al-Ulum Medan, the effectiveness of Interactive Learning Module of experiment class (44,5%) better than control class (36,90%). However in SMA Swasta Sutomo 2 Medan, the effectiveness of Interactive Learning Module of experiment class (34,52%) smaller than control class (39,76%). It means that Interactive Learning Module was effective to improve student's learning outcomes.

From the result of this research, this media of Interactive Learning Module suitable to applied in the teaching and learning process of chemistry subject especially in topic Redox because it can improve the SHS student's learning outcomes.