

**THE DEVELOPEMENT OF INNOVATIVE LEARNING MODULE ON
THE TEACHING OF ELECTROLYTE AND NON ELECTROLYTE
SOLUTION ASED ON CURRICULUM 2013**

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ABSTRACT

The aim of this research is the development of Innovative Learning Module on Teaching of Electrolyte and Non Electrolyte Solution Based on Curriculum 2013. The population of this research all all students grade X SMA Negeri 5 Medan, SMA Negeri 1 Percut Sei Tuan, SMA Swasta Santo Thomas 1 medan, chemistry lecturer, chemistry teacher and chemistry book. The sample that were choose from two classes those are homogenize and distributed normally. Research instrument, those are questionnaire for standardization of module and 20 multiple choice. Questionnaire was done in standardized chemistry learning module by chemistry lecturer and chemistry teacher called as expert judgment. Trial for module have done by giving questionnaire for standardization that assess by lecturer (3.72), by teacher is (3.67), by students (3.52) all is categorized a good module . with total average is (3.67) can conclude that module is very good to use as learning media . for pretest, with total average students achievement in High Group (HG) for experimental class is 38.33 ± 3.92 , while in control class is 36.83 ± 4.07 . and for Low Group (LG) total average of students achievement is experimental class is 25.67 ± 6.16 , while in control class is 24.83 ± 5.29 . And the average students achievement (posttest-I) in High Group (HG) using module (experiment class) 86.17 ± 4.78 is higher than using book (control class) 82.33 ± 2.99 , while in Low Goup (LG) using module 79.33 ± 4.46 less than using book 72.17 ± 3.42 have teaching and learning activities by using module as media (in experiment class), and by using chemistry textbook as media (in control class), it could conclude that chemistry learning module is able to increase students achievement in high group. The affectivity of learning in experiment is 99.37% higher than in control class 97.18%