THE IMPLEMENTATION OF DRILLING METHOD INTEGRATED IN WEB-BASED LEARNING MEDIA TO IMPROVE STUDENTS' ACHIEVEMENT AND MOTIVATION ON LEARNING OF SALTS HYDROLYSIS

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ABSTRACT

The objectives of this research are to get the comparison between drilling method integrated into web based learning media in improving of student's achievement and motivation in tutorial and non-tutorial class. Beside of that, this research also conducted to know the correlation between student's achievement and student's motivation. This research was done in SMA Negeri 2 Medan. Population is all of students in SMA Negeri 2 Medan which taken by purposive random sampling. The research instruments are achievement test and non test in list interest form. Both of instruments have been validated. The research data analyzed by SPSS -17 for windows. The result data shows that (1) The student's achievement taught by drilling method integrated into web based learning media in tutorial give higher significance difference than non-tutorial class It can be seen from the average of gain and also proved with t-test, the normalized gain in 1st experimental class is (0.80 ± 0.13) and 2nd experimental class (0.68 ± 0.14) at significant level $\alpha = 0.05$, Ha_1 is received and Ho_1 is rejected where Sig. $< \alpha$ $(0.0005 < 0.05)$, (2) The student's motivation taught by drilling method integrated into web based learning in tutorial class give higher significance difference than non-tutorial class . It can be seen from the average of motivation and also proved with t-test, the average in 1st experimental class is (81.11) and 2nd experimental class (73.09) at significant level $\alpha = 0.05$, Ha_2 is received and Ho_2 is refused where Sig. $< \alpha$ $(0.0005 < 0.05)$, (3) There is correlation between two variables that are student's achievement and motivation at significant level $\alpha = 0.05$, Ha_3 is received and Ho_3 is rejected where Sig. $< \alpha$ $(0.000 < 0.05)$, with Pearson correlation $(r) = 0.555$, it means categorized in high correlation.

Keywords: Drilling method, Web-based learning media, Student's Achievement, Student's Motivation