

## ABSTRACT

### THE EFFECTIVENESS OF EDMODO WEBSITE AS A MEDIA TO IMPROVE STUDENT'S ACHIEVEMENT AND MOTIVATION ON LEARNING ACID BASE

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The objective of study research were: (1) To know the effectiveness of implementation the online learning system using Edmodo website as media on learning acid base for student's achievement in senior high school. (2) To know the effectiveness of implementation the online learning system using edmodo website as media in learning acid base for student's motivation in senior high school. (3) To find out the correlation between achievement and motivation for students in learning acid base by edmodo website as media in learning acid base . The study population was all students of class XI SMA Negeri 2 Medan consisting of 6 classes. The sampling technique was performed using Random Sampling Purposively and taken 2 classes, experimental class I and experimental class II. Experimentall class I was given treatment by using Online Homework and formative test by using edmodo and experimental class II by using paper and pencil test. Data collection instruments was used achievement test of 20 multiple-choice items and student's motivation questionnaire sheet. This research is quasi-experimental research design. Data analysis technique using t-test with significance level  $\alpha = 0.05$  and correlation. The result of study research was found that (1) Academic achievement of students with learning by using edmodo website as online homework and formative assessment was still equal to using paper and pencil assignment. (2) Motivation of learners to use edmodo website as online homework and formative assessment was still equal to using paper and pencil assignment. (3) Between motivation and academic community had a positive correlation by using edmodo website as educational assessment (online homework and formative assessment).

*Key Words : Social Network Edmodo, Online Learning, Student's achievement, Student's Motivation*