

**THE EFFECTIVENESS OF WEB-BASED LEARNING MEDIA
IN IMPROVING STUDENT'S ACHIEVEMENT ON
THE TEACHING OF SALT HYDROLISIS**

Rudi Purwanto (4103332024)

ABSTRACT

This study investigated the effectiveness of web-based learning media in improving student's achievement on the teaching of salt hydrolysis. The aims of the study is to investigate the difference of student's achievement, student's motivation and interest in studying salt hydrolysis after applying web-based learning media compared with text book.

The population of this study was all grade eleventh students of science of senior high school that have internet connection. The sample was 60 students that are chosen purposively than they were divided into two groups which were control and experiment class. Control class was treated by using text book and experiment class treated by using web-based learning media. Both classes were given same pretest and posttest to obtained data of student's achievement. Than both classes were given a series of questionnaire to investigate student's motivation and interest. The results of analysis shows that mean of experiment class is 80.6667 and control class mean is 69.3333 so the difference is 11.3333. The average data of student's motivation from experimental class is 4.21389 and control class is 2.49351, so the mean difference of student's motivation is 1.72038. Than for student's interest data comparison between experiment and control class, experiment class has average data 4.27843 and average data of control class is 2.45980, so the difference is 1.81862.

It can be concluded that student's achievement, student's interest, and student's motivation of class taught by using web-based learning media has higher significant difference compared with class taught by using print media (book) at the significance $\alpha = 0.05$. So, web-based learning media gives 17.65 % higher student's achievement than print media (book).