

ABSTRACT

Difahar Nilsa, ID 4173121010 (2017). The Effect Of Using Android-Based Learning Media In Increasing Motivation And Physics Learning Outcomes

The android media learning become more interesting and without being constrained by time or place and there are interesting applications, so it will have a positive impact on students' use of Android-based smartphones as a learning media tool. Android-based learning media developed can increase students' learning motivation. This research was carried out to see how the learning outcomes and the effect of android-based physics learning media in increasing student learning outcomes and motivation during learning process.

The research aims to: 1) analyze change in learning outcomes and student motivation in class X science high school students using android-based learning media, 2) Evaluation android-based learning media effect on the physics learning outcomes for class X science high school students. The methods will be using is *Quasi-experiment* research design with *Pretest-Posttest Control Group*. The Population and sample of this research is student class X MIA SMA Al-Ulum Terpadu. Questionnaire and instrument test will be used as instrument. The academic performance of the students in this research is limited to increasing motivation and enhancing students learning outcomes in order to assess the product's usefulness. The result of data analysis were the average pretest value for control class was 60.19 and for experimental class was 73.81, after given treatment, the post-test mean value for control class was 88,75 and for experimental class was 90.16. Based on the results, the student's N-Gain, motivation and MANOVA test, the results of the hypothesis obtained are Sig. > 0.05 (0.114, 0.344 > 0.05) which means H_0 accepted and H_1 is rejected. As a result, utilizing android-based learning media did not have a substantial impact on improving student learning outcomes and motivation.

Keyword: Learning Media, Android, Learning Ourcome, Learning Motivation