ABSTRACT

COMPARISON OF THE ABILITY TO UNDERSTAND MAP USING GOOGLE EARTH MEDIA AND CONVENTIONAL MEDIA IN CLASS XII IIS SMA NEGERI 1 SUMBEREJO TANGGAMUS SCHOOL YEARS 2015/2016

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The problem in this research is still low yields studying geography at SMA Negeri 1 Sumberejo Tanggamus. This study aims to determine whether the use of Google Earth effective learning media used in knowing the students' ability to understand the map on the material mapping and geographic information systems in class XII SMA Negeri 1 Sumberejo.

This study used an experimental method with quasi-experimental design. The population in this study is a class XII student of SMAN 1 Sumberejo IIS school year 2015/2016 a number of 92 students. to define the class that will be used as samples Cluster sampling technique was used to obtain the IIS XII class 2 (experimental class) totaling 29 students and class XII IIS 3 (control class) totaling 30 students. Data were collected using a technique observation, a written test and documentation. Data analysis technique used was t test for two independent samples (Independent Samples T Test).

Tests using a significance level $a = 5\%$ or 0.05. If significant value $<0.05$, there are differences in the average student learning outcomes significantly between media use google earth with conventional media. From the calculation t test using SPSS-17 obtained t value (equal variance assumed) was $2.243$. T table determined at $a = 5\%$: $2 = 2.5\%$ with degrees of freedom (df) = n-2 or 59-2 = 57. Therefore, the value of $t > t$ table ($2.243 > 2.002$) and P value (0.019 <0.05), then Ho is rejected and Ha accepted. This can be evidenced from the average post-test results on IIS XII class 2 (experimental group) which is 76.72% higher than the 4.72% class XII IIS 3 (control group) is 72.00%. The results showed that the difference in average ability to understand the map on IIS XII class 2 (experimental grade) using a media google earth with IIS XII class 3 (control group) on the material basics of maps and mapping in SMA Negeri 1 Sumberejo. This is evident from the average post-test results on IIS XII class 2 (experimental group) that is 76.72% higher than the 4.72% class XII IIS 3 (control group) is 72.00%.

Keywords: instructional media, media google earth, conventional media, learning outcomes geography