Abstract

The Effect of Guided Inquiry Learning Model Assisted by Camtasia Software Learning Video on Mathematics Learning Outcomes of Class XI Students of SMK Al-Karimiyyah Beraji. Fida Ainur Rafiqah

This study aims to determine whether or not there is an effect and the effect size of the guided inquiry learning model assisted by camtasia software learning video on the mathematics learning outcomes of class XI students of SMK Al-Karimiyyah in the academic year 2021/2022. This research uses quantitative research method. The population was 32 students. The core instrument that was distributed to class XI students of SMK Al-Karimiyyah was in the form of pretest and posttest questions about the probability of events after being said to be valid and reliable. The data from the pretest and posttest were tested for normality and homogeneity, then hypothesis testing (t-test) was in the form of an Independent Sample t-test, while the effect size was to determine the size of an effect.

The results showed that the average value of the experimental class increased from 68,53846 to 89 and the average value of the control class increased from 67,5263 to 84,68421. The results of the t-test obtained a value with a significance level of 5%, it shows that H_0 was rejected and H_a was accepted, it means that there was a significant effect on the use of the guided inquiry learning model assisted by camtasia software learning video on mathematics learning outcomes of class XI students of SMK Al-Karimiyyah. By using Cohen's d, it was obtained an effect size (d) of 0.504, it means that the effect was in the moderate category.

Keywords: Guided Inquiry Learning Model, Camtasia software learning video and mathematics learning outcomes