

ABSTRACT

The main aim of this study was to assess the efficacy of the Duolingo app in enhancing the vocabulary proficiency of ninth-grade students at SMP Negeri 16 Medan. This study utilized a quantitative method, collecting data via students' pre-tests and post-tests, which were subsequently analyzed using SPSS with a paired-sample t-test. The study's results indicate that the mean score rose from 59.87 on the pre-test to 72.57 on the post-test. The significance value of 0.000 is below 0.05, indicating a statistically significant effect. Consequently, it can be inferred that the utilization of Duolingo markedly enhances students' vocabulary proficiency.

Keywords: Duolingo application, vocabulary mastery, digital learning, quasi-experimental design, English learning