

ABSTRACT

TIRTA ZASKIA A, 2025. “THE EFFECT OF E-LEARNING-BASED LEARNING MEDIA SAC (SMART APPS CREATOR) ON STUDENTS MOTIVATION AND LEARNING OUTCOMES ON VIRUS MATERIAL (Experimental Study in Class X of SMA Negeri 10 Tasikmalaya in the 2024/2025 Academic Year)”. Thesis, Department of Biology Education. Faculty of Teacher Training and Education. Siliwangi University.

The limitations of time and space in classroom learning require flexible learning media that allow students to learn anytime and anywhere. Smart Apps Creator (SAC) is a digital-based learning medium that is easily accessible through electronic devices. This research aimed to determine the effect of Smart Apps Creator (SAC)-based e-learning media on students learning motivation and learning outcomes in virus-related material among tenth-grade students at SMA Negeri 10 Tasikmalaya in the 2024/2025 academic year. This study employed a quasi-experimental method. The research population consisted of 12 classes with a total of 450 students, with Class X-6 as the experimental group and Class X-3 as the control group, selected through purposive sampling. The research instruments included a 15-item multiple-choice cognitive learning outcomes test and a 30-item learning motivation questionnaire. The normality test results showed significance values greater than 0.05, indicating that the data were normally distributed, while the homogeneity test results showed significance values greater than 0.05, indicating that the data variances were homogeneous. Hypothesis testing using one-way ANOVA showed a significance value of 0.012 (Sig. < 0.05), indicating that H_0 was rejected. The results showed that the use of Smart Apps Creator (SAC) learning media had a positive and significant effect on students learning motivation and learning outcomes in virus-related material.

Keywords : Smart Apps Creator, Learning motivation, learning outcomes