

ABSTRACT

During the current Covid-19 pandemic, students have to be forced to study from home until conditions become better. This condition raises several problems for students because there are several subjects where practicum hours should not be implemented optimally. Therefore we need an application that can help students to learn independently, especially in physics subjects wherein the dimension measurement chapter there are practical hours.

The application we created is called "Apumenda", which stands for "Augmented Reality-Based Teaching Aid for Measuring Dimensions of Objects in Physics Practicum." helps students measure the dimensions of objects in physics practicum.

Based on the results of the tests that the author did, it was found that the Apumenda application has an easy-to-understand functionality and appearance, has an average of 88.04%, and has calculation accuracy results obtained from calibration results with an accuracy of 85% with actual results, the results of which are also influenced by the distance of the marker, light, slope and the device used.

Keywords: covid-19, physics practicum, props, dimensions, augmented reality, Vuforia