Abstract

Edugra application is an android-based application for learning about object recognition for child mental retardation. The material presented in the form of building self materials that are tailored to the SLB B-C YPLAB's curriculum.

This Edugra application has features learning materials and simple game. Materials presented by displaying images and captions are accompanied by speech, spelling, and videos about the use of the image. The game was used as the test results are presented tematif learning. This application is implemented on the Android smartphone with a simple display that is not confused the child's mental retardation in use.

In our testing of these application involve five children mental retardation from SLB BC YPLAB as a result of the respondents that they are interested in using. With this application, it is expected that children can more easily understand the mental retardation building self activities as well as learn the basics of reading, math, and recognize objects.

Keywords: *mental retardation,* android*, mobile application.*