

Abstract

In the world of education in Indonesia, a quadriplegic in the learning process should use technology as a solution to facilitate the learning process. Children with physical disabilities in general have limitations in motor sensor, so that the learning process will be difficult because it can not use a hand in writing and open textbooks. Therefore, in the learning process physically disabled child should be accompanied and assisted by a teacher, parent or guardian.

Of these problems we're trying to make a learning app "Speak-up" on android-based tablet computer by using voice command (voice command) as a solution to facilitate the learning process physically disabled children. Hopefully, the learning process in the education of children with physical disabilities in Indonesia can be improved by using this application.

Speak up application has 3 (three) main menu of lessons, exercises, and lab work. All the menu on this application is executed using voice commands. The word used in the application is speak up "pelajaran", "latihan", "praktikum", "tambah", "kurang", "satu", "dua", "tiga", "empat", "lima", "maju", "kembali", "hilang", and "tutup".

Keywords: *voice command, android, Physically Disabled, tablet computer.*