

Abstract

In Indonesia, deaf people find it difficult to communicate with non-deaf people, and vice versa. Therefore this research is intended to provide an explanation of the development of the BISI application. Which is a verbal language translator application into animated Indonesian sign language. In developing a BISI application using the MDLC (Multimedia Development Life Cycle) method, there are 6 steps in development the BISI application which are concept, design, material collection, manufacturing, testing and distribution. Besides that, testing is also done using the blackbox method to test BISI application's feature and testing questionnaires to get an evaluation based on respondent's ratings. Likert scale test results obtained 83% (Very good) for ease of use, 80% (Very good) for the ease of recording sounds, 82% (Very good) for the accuracy of word that were converted. And 73% (good) for the user interface.

Keywords : speech recognition, translator, sign language