

ABSTRACT

Deafness is a condition or situation of someone who have a deficiency or loss of the sense of hearing so that they are unable to perceive stimuli in the form of sounds, voices or the like and result in normal communication being unable to be carried out properly by deaf people, so they need sign language for communication between them deaf nor with normal people. Due to the difficulty in hearing, exclusive learning is needed so that learning media in the form of a sign language dictionary is needed to recognize vocabulary in the sign language.

The application in this final project is made to make it easier for deaf people to learn sign language vocabulary with the features of the SIBIKU application that uses motion picture to make it easy to exemplify sign language movements, there is also a morse vibration feature, which is a feature to convert numbers and letters into morse in the form of vibrations that are generated by the user's smartphone. And for practice, this application has a sign word guess feature as an evaluation material for learning sign language vocabulary.

With dynamic data, the SIBIKU application is expected to help and solve problems faced by teachers and children with hearing impairment in learning sign language vocabulary with increasing sign language data. This application also helps them to no longer need to buy thick and expensive dictionaries which are difficult to obtain in general and helps in learning new vocabulary.

Keywords: Sign Language, SIBI, Dictionary, Motion Pictures, Android.