

## **Abstract**

*People with speech and deaf are important to note because it is difficult to communicate with others. Speeches and hearing impaired usually communicate with Sign language they learn, but not everyone can Sign language, Speech and Deaf are very difficult to communicate with normal people who do not understand sign language. AIBI is an Android Application Translator Sign language used as a tool for communicating the hearing and deaf to normal people. AIBI is equipped with muscle sensor (MYO Armband) to read hand movements and send data to Android smartphone connected via Bluetooth, then the smartphone will output in the form of writing and sound in accordance with the meaning of sign*

**Language Keywords:** *Android application the sign language translator, Myo Armband, Deaf and speech impaired*