

## **Abstract**

A person who is deaf in the ear disorder that have difficulty in listening to certain sound frequencies. The deaf have limitations in terms of communicating with others. Communicate the limitations caused by the motor nerve deaf people who rarely or never received feedback in the form of words, even though some of them had not experienced deaf since birth but because of the disaster that can lead to difficulties in pronouncing what to say even though they could hear what was said by others.

Deaf Text Voice Application or DTV is an application designed and built as a communication tool for the deaf. This application works by changing the human voice when speaking in Indonesian to text (Voice to Text), see the results of the conversation (Chat), and also change the text into a human voice pronunciation when speaking in Indonesian (Text to Voice). Voice to Text functionality is used by deaf people in the category of inclusion when communicating with normal people and people with visual impairment. As for the functionality of Text to Voice is used by deaf people in the category of inclusion when communicating with persons with visual impairment alone.

**Keywords:** Deaf People, Communication, DTV, Voice, Text.