

ABSTRACT

Language represents the media that connects people. Likewise with people who have certain limitations such as speech impaired. Speech impaired is a person who can't speak whether born or from an illness. A person experiencing tunawicara usually communicates using sign language. Most people have difficulties in communicating with normal people because not everyone is able to understand the cues given by the person. At the time when the man wants to buy food at the drive thru service in a restaurant, many of the restaurant officers are having difficulties in understanding their wishes.

To solve this problem, was made a system with sign language translator using Python language as well as several libraries needed. The system can translate the gesture of the hand of the people who want to be the menu that he wants and the admin can know the total order by using the cashier application that generates the output in the form of print out so that the people can make payment by simply looking at the total number of orders on the print out given the fast food restaurant.

The test results from 30 experiments on each movement with a light intensity of 71 lux, a distance of 60cm, a white background, a tilt angle of 90 °, the variation of the fingers used is as it should be and no part of the object is cut off, the level is obtained. an increase in burger gesture was 96.67%, chicken gesture was 93.34%, gesture for chicken package contents 5 was 93.34%, rice gesture was 93.34%, ice cream gesture was 96.67% and gesture next was 100%.

Keywords: *Sign Language, Gesture, Speech Impaired, Drive Thru*