

ABSTRACT

Indonesia has a diverse fauna that can attract tourists to visit the zoo. However, the existing zoo at this time showed only the presence of fauna without a tour guide who can explain the characteristics of fauna. Therefore, voice control devices will be designed using a microcontroller so that it can automatically explain the characteristics of fauna on zoo park.

The final project is make the sound control device using a microcontroller with a push button as input. Signal generated from the push button would be considered as a trigger (command) to play a sound file on the speakers. Sound file which played is stored on the SD Card.

The results obtained are while the button in front of King Cobra's cage is pressed, the speakers emit sound that describes the information of fauna's characteristics stored in the king-kobra.wav sound files. This happens on some other input and output. It can be concluded that the device was made to run well suit the design and implementation of voice control device.

Keywords : microcontroller, push button, zoo park, SD Card