

ABSTRACT

Bandung is a creative city, many transportation tools that can be used in the city of Bandung, the bus is one means of transportation that can be used in the city of Bandung. But for the blind who want to use the bus is quite suilit, because there is no more information bus in Bandung city. To help the blind who will use the bus transportation, then made a tool that can provide information bus arrival and identity bus through the voice for the visually impaired can know the information. This tool uses radio frequency module to transmit bus arrival data and bus arrival identity and data will be received at the bus stop, then in process using microcontroller, then this tool will use speaker to give bus arrival information. This tool will only work within 30 meters to the bus stop and the process of sending the bus arrival data at this stop takes 3 seconds before the speakers at the stop are on and provide bus arrival information and bus identity.

Keywords: Blind, Bus, Data Communication, Bus Stop.