ABSTRACT

Public transportation such as buses are still widely used to various places because they are cheap and convenient. So if we want to use this bus transportation, we must come to the nearest bus stop to use this facility. However, the bus stop system in the city of Bandung is less friendly to people with "special needs" for example people who are blind. They just wait for when the bus will come, and when the bus comes they ask people around about where the bus is headed.

In this final project, a system using Arduino Mega, MFRC522, DFPlayer and Speaker, MFRC522 is used as a blind detector when they are in the bus stop, DFPlayer is used as an audio player with support files such as .mp3 which output will be processed through the Speaker, and the function of microcontroller Arduino mega is to process all of the hardware so that will work together with one another.

Keyword : Arduino Mega, MFRC522, DFPlayer, Blind people, Bus Stop (min. 1 word, max. 5 words)