

ABSTRACT

Public transportation is still in great demand for traveling anywhere because the price is very affordable, and buses are also often used by the visually impaired. Then a tool was designed to notify the blind the arrival of the bus. The tools used for this research are NodeMCU which is used to find out the bus coordinates, Arduino Uno is used to run the system and also displays coordinates via the LCD and also forwards data to ESP8266, for ESP8266 it is used for coordinates to the database. It can be concluded that this tool works to send coordinate data and then the data will be taken by the cellphone at the bus stop as a marker that the bus is located based on the coordinates.

Keywords: Tunanetra, Arduino, GPS