

ABSTRACT

Often we forget where we parked the car, especially on building parking lot is already widely available in major cities. Quite often we have to go around and spend a lot of time to locate our car. Therefore, it requires the tools to facilitate the search for locations / places where we parked the car, especially in the building parking area. Tool location determination using a height sensor that MS5607 Altimeter sensor and module Bluetooth 4.0 BLE as a means of data transmission.

In the process of users (car owners) can determine the location of the car within a certain distance accurately and is also very helpful in emergency situation. To determine the position of the car, in the car has been fitted tracking system that is equipped with Bluetooth 4.0 BLE module and sensor Altimeter MS5607. This module send a signal to smartphone users (car owners), module Bluetooth 4.0 BLE This gives a signal that the signal will be measured to determine the position of the car in the parking deck and so the smartphone will scan signal issued by the Bluetooth module and displayed at Smartphone apps in the Android created using Android Studio.

Views on Android will show the strength of the signal radiated by module Bluetooth 4.0 BLE which has been in pairing with a Bluetooth Smartphone users (car owners). And the appearance of the Android show where our car height. Elevation data obtained from the height sensor Altimeter MS5607. With these tools users can find and not confused anymore or forgotten at the time of going to look for a car in the building parking

Keywords: location, Bluetooth 4.0 BLE, Altimeter MS5607, Android Studio