ABSTRACT

Humans usually always put things anywhere, and eventually forget where they are. With the current system using an alarm or tracking device to find the position of the item you want to find. Because there is no use of an item position storage system using a camera and object distance detection sensor, a single-board microcontroller based item position detection device is made. This system consists of ultrasonic sensors as a detector of incoming and outgoing goods, and ESP32-CAM as an image display of goods and the data will be saved to the website (firebase) for goods storage and can be seen when and where the goods are located.

Keywords : *Ultrasonic Sensor, ESP32-CAM, Microcontroller, Firebase*