CHAPTER 5

CLOSING

5.1 Conclusion

Designing an IoT-based parking system using ultrasonic sensors can help increase the efficiency of parking space management. With an ultrasonic sensor connected to the Blynk IoT Application, this system can monitor parking space availability in real-time and provide accurate information to users. In addition, through user applications that are connected to the system. By using ultrasonic sensors, this system can detect the presence of parking space availability information obtained from sensors which can be processed and processed by the server to provide useful data for users, such 10 CM as the number of available parking spaces or estimated travel time. to the nearest parking lot.

5.2 Suggestion

1. Choose a quality ultrasonic sensor that fits the system requirements. Make sure the sensor has sufficient range and high accuracy in detecting vehicles.
2. Design an intuitive and user-friendly user application interface so that users can easily monitor parking space availability and make reservations.
3. Ensure a reliable and stable network infrastructure to connect the system with servers and user applications. This ensures smooth data transmission and fast response times.

Always conduct periodic trials and monitoring of this parking system to ensure optimal performance. Repair and upgrade the system if problems are found or changes are needed. By implementing an IoT-based parking system using ultrasonic sensors, it is hoped that it can improve the user experience in finding a parking space.