

ABSTRACT

The existence of laboratories on each campus has an important role in activities that are in the campus environment to support student activities, the presence in the laboratory itself can support activities while in a laboratory itself, and supported by research on previous projects that create a laboratory website for D3 Telecommunications Engineering laboratory.

Presented a presence system that is able to simplify the presence process using RFID RC522, this presence system is based locally which uses XAMPP as a webserver and is connected using Ethernet shield so that it does not require internet connectivity to access student attendance data while connected in the same network.

The presence system using RFID RC522 that has been designed can connect to the D3 Telecommunications Engineering laboratory website and display attendance data, this device has no delay in sending information to the database with an optimal reading distance of the RFID reader, which is 1.5 cm. This device has 100 percent accuracy of reading information which means there is no error in reading information.

Keywords: laboratory, RFID, website, presence, database