ABSTRACT

The current shopping system of almost all activities is done manually and centered on the cashier so that the time and labor used to be more along with the number of visitors coming. Smart basket made using NodeMCU microcontrollers and RFID modules will make the visitor more independent when shopping, ranging from the selection of goods up to making the payment so that the time used is shorter and can avoid the existence of queues. The list of goods in the store can be registered through the system so that visitors can know the details of goods that want to be purchased in realtime using the RFID modules installed on the smart basket, likewise when making a payment that will directly reduce the visitor balance automatically after shopping.

Keywords: RFID, nodemcu, shopping, smart basket.