ELECTRONIC TOLL CARD USING RFID (RADIO FREQUENCY IDENTIFICATION) BASED ON THE WEB

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Abstract

Until now the highway payment system is still done manually, by using the operator. With the payment manually, requiring a longer time in the transaction that allows the congestion at toll booths.

At this final project developed a tool that uses an electronic toll payment system (e-payment), an electronic toll payment systems using RFID (Radio Frequency Identification) which is then connected to the microcontroller that will send data to a PC (personal computer) as a server. in the server, the balance will be accumulated and sent to the database via the Internet.

Of this final project, will produce a toll payment system using a toll card electronic. with the manufacture of the designed system, can make it easier for operator and reduce congestion. Users can also access information about the transactions and activities on the highway by using the WEB.

Key words: Microcontroller, RFID, WEB.