

Abstract

Queues at toll booths are common and often occur in big cities. The long queues are caused by the lengthy process of paying for each vehicle, even with the existing technology, it is still unable to solve the queuing problem at toll booths. The ineffectiveness of this technology is a new problem that has arisen for toll road users. Therefore, a more effective solution for vehicle owners is to use a smartphone with the QR-code feature. The information contained in the QR-code can be sent and received quickly and the amount of information that can be stored is the main value of this technology. Results of the test showed that the time required to scan the QR-code is 2.52 seconds.