

ABSTRACT

West Bandung District Department of Transportation is in charge of government agencies in the fields of transportation. Department of Transportation field officials often hold a public transportation licensing raid on the highway. Process that officers do is by seeing the documents taken by the owners or drivers of public transportation respectively. But sometimes the officers did not know whether the document is still valid or not, because of the lack of data supporting evidence in the field that states the validity of document. So, we need a mobile application that can ease the process.

The mobile application built using the Android platform by utilizing NFC technology. NFC is used to scan RFID which includes data such as surveillance number in the vehicle surveillance card. The application will search for licensing information associated with the surveillance number of public transport through a web service. The method that used in the mobile application development is the Extreme Programming method, as suitable for use when clients require fast time in the system development.

For further research, it is expected that the next researchers can develop an application that displays the licensing information in more detail.

Keywords : *Android, NFC, license, Department of Transportation*