MOBILE CLIENT APPLICATION DEVELOPMENT FOR TRAFFIC REPORT SYSTEM BASED ANDROID OPERATING SYSTEM

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ABSTRAK

Traffic density in a metropolis area keep changing erratically into a level that the urban citizen would worry about. For a modern citizens with a lot of work stuff, this unpredictable traffic density, which oftenly lead into a traffic jam, is a phenomenon, no matter how ought to be avoided. A hypothetical method to avoid a traffic jam is knowing which area currently suffered traffic jam in which level of density. But practically, this method is difficult to implemented, since such system that allows user to access the traffic jam information is not existed yet.

The Traffic Report System Server, actually is providing information about the traffic density level for any user accessing the Traffic Report System Server. GPS technology is used for defines the user current position. It is choosen among any other location based technology for its high accuracy in providing user current location.

Main usage of the mobile client application built in android operating system is to send report to server about traffic density in such area. This information itself come from the application user thus the system built from user, and for user. After gaining some information the mobile client application would convert the
user-interface information itu a data, which replied by user that converting it into a XML file.

Keyword: Client Traffic Report System, GPS, Android Operating System