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AN SMS BASED INTERACTIVE REAL-TIME SOLUTION RELATED TO TRAFFIC JAM IN JAKARTA

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Abstract

The aim of the application is to produce an SMS based application that provide flexibility and portability in giving information and alternatives to the community in avoiding traffic jam since the system can be accessed through SMS. The benefit of this application is that people can use the application with a single mobile phone. Moreover, the system is designed so that it can be updated easily to provide the information for the users.

This thesis application consists of web service, SMS based application and web application which is embedded to the web application. The web service is implemented using SOAP. The SMS based application is implemented using Gammu. Furthermore, the web application is implemented using Code Igniter Framework and MySQL.

A working mobile phone which connects to a computer and acts as a server that processes and fulfils the entire requirements that state in chapter 1.

This thesis application, which is a combination of SMS Gateway, web application and web service, has managed to provide useful functions that can give information and alternative to the user regarding the traffic jam information in Jakarta.

Key words
Gammu, mobile phone, PHP, PHP windows service library, web service, survey.