UNIVERSITI TEKNOLOGI MARA

FINAL YEAR PROJECT

ANDROID BASED SMART MOBILE TRACKING SYSTEM

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ABSTRACT

Tracking down someone is one of the most popular activities either on the web or mobile all around the world and with good reason. In the community presents various issue raised such as employee integrity when employees work outside the office and lack of trust between spouses. Other than that, kidnapping and running away from home also the case that often happens nowadays. So, it is good thing to have an application that might help to solve thats issues. Basically this project is to develop an android application of smart mobile tracking that can track the location of target person by just sending SMS (Short Message Service). Other than internet, Global Positioning System (GPS) is used to get the latitude and longitude and Google Maps to view the location. This project is develop by using eclipse software in Java and XML programming. PHP programming also is used to insert the data from the phone into the database. This smart mobile tracking system is benefit to users locate for someone especially to manager and spouse. It also can be used for emergency purpose.

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CHAPTER 1

INTRODUCTION

1.1   Background of Study

Most of mobile users uses Short Message Service (SMS) to communicate with someone around the world. Billion SMS messages sent per day. The Informa analyst state that there were 3.5 billion SMS users in 2012 and about 17.6 billion SMS messages each day around the world (Meyer, 2012). In mobile phone, Android is the most popular operating system for smartphone that have in last year of 2012 and still growing (Llamas, et. al, 2012). Nowadays, Global 75 percent market share Positioning System (GPS) technology has been provided to the most of smartphones, users can easily find or search to locate positions of something on the earth accurately and easily. Tracking down someone is one of the most popular activities either on the web or mobile. Free technology such as GPS help people to find somone more easier than ever before in history.

Combination of this technology can be used to create a good application for smartly track someone and do good things. In this group project we created an application on android that can send sms using code that have been implemented and receiver will auto reply sms with information of latitude and longitude using GPS technology. Thats is my module for this project. Then it can be used to view the real location on Google Maps either on android application or on web based.