

ABSTRACT

Today, the package delivery business activity tends to increase, many packages delivery company that was established with a various of services. With so many of them, then occurring the competition in the wolrd of package delivery. Sometimes, there is a continual risk pssibilites in the delivery of package, be it the fault or negligence from the sender although evenement. To overcome the problem of risk at the top, so in this final project, will be make an application designed to do management delivery package by courier. This application is great to be made because the aim of processing of service packet data better, can do tracking process of package address destination and gives details of a package deliveries to consumers who use delivery service package with clear.

The application work with fairly simple, where the application able to documented the package with photo geotagging features that is integrated with device location, one is A-GPS (Assisted Global Positioning System). The application also will have feature information in the form of a QR (Quick Response) code scanner which use as input of information package data. After have some data input in this application, smartphone can look package address destination locate by Google Maps.

So at the end of this final project is an application management delivery package with the size of 324KB and the average usage of memory heap size is 63.67%. in its implementation also acquired the size of the QR code that stable to be used as identity of package is 200x200 pixels with the optimum range of read 20cm.

Keyword: application, smartphone Android, photo, geotagging, A-GPS, QR code and Google Maps.