ABSTRACT

Nowadays, technology is very much contribute to human life, especially the means of transportation into a tool that is needed by humans. In a shipping service, the means of transportation becomes a tool that plays a very important role in the delivery of goods. But not infrequently in this case, a company doesn't know the conditions and routes taken by the drivers in charge of sending goods, also in the process of data collection and transactions every day still using the manual system, so that many errors and loss of corporate data. One of the most common problems is the delay in estimated time, data loss reports and misunderstandings between drivers and management.

To overcome these problems, a system of location data transmission and monitoring of vehicle shipping services to find information submitted directly by the driver. By using GPS technology, the system performs monitoring of the driver while performing the job. In addition to monitoring drivers, this application is also expected to assist companies in data collection and transactions every day, by providing relatively detailed information in the delivery of information from the driver.

The method used in this final project is waterfall technique which is describes systematic approach and also sequence in system development, starting with user requirement specification then continuing through planning stages, modeling, and construction as well as the delivery of the system to the user (deployment), which ends with support on the resulting software.

The results of the tests conducted by using black box testing and performance testing. This application has an accuracy of 89.7% of validity test results and accuracy of up to 95% of the performance test results. Thus, from the results of the two tests above has been concluded, that this application can be received well by the company.

Keywords: Transportation, Shipping Service, Monitoring System, Android, Mobile Application, Waterfall.