

ABSTRACT

VTS is a general tracking system application and is most of used in modern countries. VTS is used to monitoring mobile object (vehicle). GPS receiver works as object monitoring that determine the position of the monitored vehicle. The vehicle which is equipped with this system could be monitored the position where ever. The application of the system will be powerful, dynamic, and interactive if it's supported by GIS (geographics Information System) based on web.

VTS nowadays is most of them still use SMS as data transfer service, so that the operational cost must be expensive, because the fee to pay each data sent is Rp. 350,00. Imagine wether the data is sent in large amount?

In this final task is designed a VTS that use GPRS as the data transfer service. With GPRS, the operational cost could be cut as large as possible. From 70 data is sent using GPRS only take about Rp. 225,00 to pay, while SMS could be take Rp. 2450,00 to pay. As the result, this system is very useful by the taxi companies or the other transportation companies which very consider about the operational cost.

Key word : VTS, GPS, GPRS, GIS

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