

ABSTRACT

A big company would do the monitoring of sales at each branch office (*franchise*). At the end of this project will helpfully assist a company in designing the monitoring system. So, it making easier for the central office to monitoring developments in every branch of business. To that end the project was to design a media that is more economical and easier in use.

The final project discusses the design of monitoring system for every transaction that occurs in each branch office. In this planning the components using feature of the IC *microcontroller*, *SMS*, and *Website*. By pressing *push button* that connected with the minimum system and mobile phones, IC microcontroller will give a command to send *SMS (Short Message Services)*. *SMS* that was sent from the branch office then accepted by the database server. PC / laptop as a server that containing the database server to record the incoming *SMS* and will be displayed on the *Website* admin.

At the end of this project making a hardware as a help tool in the delivery of information / data and software as a result the output will be shown on the *Website* server. Results that are expected in the final project can help, especially a big company that have branch offices for monitoring and observing the system of selling at the each branch office. And is also expected to increase knowledge in the design of this application.

Testing result show that the fastest time to send *SMS* is at 5am with the average result is 5,68 seconds. The longest time to send *SMS* is at 8pm with the average result is 8,5 seconds. And then the success rate of *SMS* delivery is 90% to 95%.

Keyword : franchise, microcontroller, Website, database, push button, SMS