ABSTRACT

BEM KBM (Student Executive Council Family Students) is a organization on campus IT Telkom. There are a lot of BEM's work program for the public service function to students and academic community, from the internal and external-oriented campus. There are several constraints faced by the BEM, which is service information through the media information Website that is not optimal, and some service functions to students who are stillmanual, paper-based and conventional.

In this Final Project carried out the design of information systems and Web-based applications BEM services and SMS Gateway. To make the system needed a Web programming using PHP, and modifications to the application by using Gammu SMS Gateway. As for the design of database use MySQL. Jquery as Javascript Library also added to make the display look more beautiful and dynamic. Implementation of the system performed on a local network by combining the location server for Web and SMS Gateway.

The output of the Final Project is a website with multiple features and functions better integrated with the SMS Gateway. From the results of the testing system, the obtained response time loading of Web pages show a value between 0.2 seconds to 2 seconds. The number of users that can simultaneously access the Web server without any error is less than 600 people. Through the SMS service, the time required to perform data accessis 17 seconds, while the time required to perform data input is 17.5 seconds.Then the results of the assessment of respondents stated that the system is designed to have values that range between good and good enough.

Keywords : Web, SMS Gateway