

ABSTRACT

iFACE is a social networking website created by Telkom Institute of Technology as a means of communication between the academic community. The use of iFACE can be done in two ways, by use the short messaging system (SMS) and access website. The use of iFACE via SMS requires a specific format for writing SMS messages, so the messages that received by the SMS gateway can be recognized by the iFACE system and can be processed according to the content of messages received by iFACE system. Using the format of writing a text message cause weakness in the user side, the user needs to memorize the format of writing a SMS for every iFACE feature, for example, feature for news updates or writes to a friend's profile wall.

At this final project, a mobile application was made to cover up weakness in the user side due to the use of the SMS format. This application has the ability to add SMS format automatically, receive messages from the SMS gateway iFACE, and store the data of other users who are on the iFACE website. To determine the performance of application, testing needs to be done with some aspects of testing, ie aspects of functionality, performance aspect, and aspect of the Mean Opinion Score (MOS).

The result of this final project is an application intended for mobile phone that use Android operating system, which is named iFACE SMS. Testing that has been done on the iFACE SMS gives some test results. Test results are application functions that can be run in accordance with the expected results on the modeling of the system, the starting application execution time is less than 400 ms, the execution time of SMS delivery is less than 20 ms, the execution time of receiving SMS is less than 100 ms, and RAM consumption is less than 3 Mb. In addition, this application get positive responses from users. It can be seen from the results of testing the questionnaire with MOS method is dominated by a fairly good ratings for each question in questionnaire.

Keywords: iFACE, SMS gateway, application, MOS.