

## ABSTRACT

Nowadays mobile phone has become one of the electrical gadget that have a big part in information and communication era. And one of the services that a mobile phone do is a short message service that have a GSM technology based in cellular communication system and also have certain communication protocol, this thing make any information exchange between mobile phone users in a form of short message become possible.

For that, at the end of this research project to make the system more infomasi dissemination applications quickly and precisely with SMS based on GSM network. In this application allows the dissemination of information both within the same group or between groups that have been listed in this application. In addition, the application also has an SMS feature that allows the schedule to be able to send SMS as scheduled. Then there are the additional firur SMS sending birthday greetings to all members of a birthday.

This applications can be spread SMS from group to group chairman of itself and of the group to another group that has previously been enrolled applied. Average time required to execute the server SMS Gateway SMS is 44.28 seconds and can send SMS happy birthday promptly at 0:00 pm. And the available user interface that is provided for web-based admin and run on a local server with a performance time click is 196 ms.

*Key word: spread, SMS ,GSM , group*