ABSTRACT

SMS Service could be a point of interest for its subs and service provider just like GSM and CDMA because of its unique.This could be a reason that SMS still exist and getting cheap for its subs. Nowadays, SMS usage getting extensive such as for polling, autorespons, remote controlled, alarm system, etc as known as SMS Gateway. Unfortunately, its usage usually just for 1 cellular operator, means that services fee getting expensive from subs side, moreover if they use it for interoperator service

That's why on this Final Project, SMS gateway using 2 cellular operator will be created just to minimalized services fee, even when it's transmitted from client to server or reversed.SMAN 11 Bandung is a place where being this Final Project's case study, hopefully so the parents could watch their childs achievement easily using this services. For the future, this application could raise their morale of discipline and achievement

As a description, this application made from several supporting tools such as: PHP as programming language based on web, Gammu as SMS Engine, and MySQL as database. On this application will be informed anything about students academic information, just like absence, campus info, academic calender, score, freshman registration, monthly fee.

After finished our testing and implementation, we conclude that system perfectly worked on broadcast SMS testing, eventhough on autorespon testing, showed that the system was overloaded when requested client more than 50 messages which max sys performance reach 6.83 messages/minute. This caused by gateway uncapable to receive and transmite the messages simultaneously.

Keywords : SMS, GSM, Autorespons, Gammu, PHP, MySQL