

ABSTRACT

DESIGN OF APPLICATIONS PROTOTYPE OF E-MAIL FORWARDER BASED ON SMS GATEWAY

E-mail is a vital application need, which is very important for internet users today. E-mail can be used to communicate quickly, penetrate the boundary though. Because of its importance so there were many applications that support e-mail working to ease in making communication in cyber world. Not all internet users are able to access the internet today. On the other hand, cell phone is a tool that almost everyone use it to communicate, so its also use as reminder for new e-mail received.

Final project titled '**Design of Applications Prototype of E-mail Forwarder Based On SMS Gateway**' is the one of cellular technology application which is collaborated with internet especially e-mail. This application uses gammu as a modul that can be connected with PHP programing language and MySQL for its database management system. This application can be used to remind the client trough their cellphone number that there're new emails by its reminder. However, Its only able to work when the client does the registration with format REG<space>ID and also if we want to stop this application only sent SMS with format UNREG<space>ID to the MS server number. Not all new e-mails are forwarded. It will filter unused e-mail so it also work as a filter.

After doing test and implementation and having many conclusion, there are :this application can work well based on the planning, e-mails that sent in the same time can like a linier grapic and when the clien use the same operator with the server, the delay just 8,83 second/SMS, more smart 1.8 times than if the client use the diferent operator with the server.

Key word : *e-mail, forward, gateway, filtering, gammu, php, MySQL*