ABSTRACT

Mail *Push* is one of the feature from mail service which the mail user can receive new mail notification, so that the mail user immediately know any new mail arrived in his inbox without opening the inbox before. Because mail push is identical with real time information, then high mobility is needed for this service.

To solve the mobility problem, this final project built a mail push service for cell phone using WAP Push. WAP Push is a standard for WAP (Wireless Application Protocol) which provide content transfer mechanism to mobile device without a request before. This system can serve mail push from mail POP3 server and provide mail client functionalities, such as reading inbox, sending mail, deleting mail, and forwarding mail.

By using this system which is built at this final project, user can use mail push service and access mail easier. User no longer need to install any application on a cell phone. When standby (listening mail push), user doesn't have to connect the cell phone to the internet continuously, because mail push will be sent via SMS (*Short Message Service*) bearer. While internet connection only needed when the user downloading mail content. Beside, WAP Push is compatible with various cell phone which support WAP 2.

Kata kunci : Mail, mail *push*, WAP *Push, Post Office Protocol* (POP3)