ABSTRACT

As the Internet and mobile telecommunications becomes more and more integrated new ways to communicate appears. Some of them, like WAP and MMS, have already made their way into every day life and others are on the way. One of the new upcoming applications is Push-to-talk (PTT), a walkie-talkie type of service that gives the user the capability to simultaneously communicate with one or more persons. Push-to-talk uses Voice over IP (VoIP), a way of packaging and transmitting voice data over the Internet, or any other packet data network. Since Push-to-talk uses some kind of network to transport the data, unlike a walkie-talkie that sends it directly to the receivers, it has the potential to communicate worldwide. It also minimizes the bandwidth needed by only sending data when someone is talking, which makes it very cost-efficient when used with a packet-switched network like GPRS.

This final project will be research about Push to Talk by using smartphone base on the Symbian 6.1 and GPRS network provided by cellular operator in Indonesia, because till in this time the cellular operator in Indonesia is not yet giving Push to Talk sevice to the customers.