

## ABSTRACT

One of the sectors that very much need the information system application is increasingly the quality of work procedure in the medical sector. Supporting and integrating information technology in the medical sector have born several kinds of concepts that are innovative in technical diagnosis and handling the patient, such as Telemedicine. Telemedicine is a medical action in which the doctor gives to the patient in a long-distance system. The patient's medical data are transmitted through air, so the patient's condition could be monitored directly by the doctor and the doctor must not be near the patient.

The application is progressing rapidly in recent years. MMS (Multimedia Messaging Service), as one of the applications, provides message sending services in many formats like text, photo, feature, graphic, animation, slide presentation, voice and video clip. With the use of many new technologies which combine browser, server, and new markup language are designed for mobile devices. Many service applications are implemented with combining these elements. MMS can be used in one way or interactive service that possibly wireless devices access and send the information from server safely, fast, and efficiently.

In this final project, will be designed the medical application service like information disease based on mms. This system consists of three parts. The first part is Client midlet application such as a mobile phone that has been installed J2ME software, these applications are used by the client as a medium to send requests. The second part is Gateway. It is a software that will handle data service in GSM network. The gateway will be linked with a gateway mobile phone. And the last part is Server within a software can handle execution process that input becomes an output. At the server, there is also a database system saving the medical information that will be accessed by the client. Until this project with only using 17 Kbyte of handphone memory, time response system that less than 1 second able to handle the request of client, and process application SMS, MMS with normally sending transmission will be able to completely people need of to get healthy information.