

ABSTRACT

One of sector that very need the information system application on increasingly the quality of work procedure is medical sector. Supporting and integration information technology in medical sector have born several kind of concept that innovative in technical diagnosis and handling the patient, such as Telemedicine. Telemedicine is medical action whom the doctor gives to patient in long-distance system. Patient's medical data are transmitted through air, so patient's condition could be monitor directly by the doctor and the doctor must not be near by the patient.

The application is progressing rapidly in recent years. MMS (Multimedia Messaging Service), as one of the application, provides message sending services in many formats like text, photo, feature, graphic, animation, slide presentation, voice and video clip. With use many new technologies which combines 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 safety, fast, and efficiently.

In this final project, will be designed the medical application service like information disease based on mms. This system is consist of three parts. The first part is Client midlet application such a mobile phone that had be installed J2ME software, these application are used by the client as medium to send request. 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 handling execution process that input become an output. At the server, there is also 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 sistem that less than 1 second able to handle the request of client, and process application SMS, MMS with normaly sending transmision will able to completly people need of to get healthy information.