

ABSTRACT

The growth of the telecommunication gives ease for human being in the case of communicating and in the form of requirement service, one of this service requirements is in the world of health is called with *telemedicine*. To realize this technology need support from the capability of cellular network and from mobile phone as one of the device that used for communication.

In this final paper, the writer makes a prototype of phonocardiograph system as a heart sound recording based on mobile phone. This device is include s of Amplifier to amplify heart sound signal and low pass filter to pass heart sound signal frequency and muffle the unexpected signal frequency. In this final paper also made a sound recorder application using symbian C++. The process of system analysis is how the result of sound that have been recorded, application process, and many memory that is used by mobile phone for this application.

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