ABSTRACT

Schedule of Midlet is an application in mobile device that request information about the schedule of lecture to server and accept respond from server in the form of requested information. Communication between server and client uses technology of Bluetooth. The use of technology of Bluetooth has three advantages namely it can be used in a number of handphone's handset now, it has range of maximum distance until 100 meters, and the use of this technology is priceless.

Schedule of Midlet is an information service that has characteristic as "indoor" service. It means that this service only can be used by user in certain area, but the users in out of that area will not be serviced by server.This service is aimed at college students and lectures who have high mobility in their activity of lecture. Because of that reason, this application is developed in mobile device.

The development of this technology by some vendors is so fast especially by Nokia, a vendor that applies Symbian OS in its handphone device.The implementation of Symbian OS make fitures in hardware by using J2ME easier to use. Technology of J2ME has API used in protocol communication, Bluetooth, Irda, GPRS, SMS, and Mobile device.It also has a function to arrange interface of screen.

Schedule of Midlet will use API JSR-82 required to control Bluetooth. According to API JSR-82 , the Application of Bluetooth has to be appropriate based on standard so that the transmission of data will last well. Besides that, perimeters such as data delay end-to-end, the number of sent data, cost of the making of system will determine a proper Bluetooth System as an alternative technology to make this application instead of three existing technologies namely SMS, GPRS, and WAP.