

ABSTRACT

A library is an information center in an university. Library have to provide useful information for all academic communities. Furthermore, a library must offer good services for all users. One of them is borrowing service. In order to upgrade this service, it needs supporting service application in information technology.

In this final project, a supporting service application for IT Telkom library is developed. It is consist of several fitures. Those are the library members will get reminder message of borrowing overdue. The library members can send messages containing questions, suggestions, or critics to the library, or even can search books by sending sms via cellular phone. On the other hand, the librarian can send notifications or announcements personally or broadcast.

This supporting service application uses PHP and Javascript programmer language, Gammu as a supporting SMS Gateway module, corel draw X4 as an interface design, two databases that consist of Oracle as a main database and MySQL to support and the Borrowing Simulation Application included.

This application runs on Windows Vista™ Home Premium that needs a hardware with specification consist of processor Core 2 Duo T5800 (2.0 GHz, 800 MHz FSB, 2MB L2 cache), RAM 1GB DDR2, hardisk 250 GB, and modem HUAWEI E1550.

Keyword : Library IT Telkom, mysql, oracle, php, gammu, SMS Gateway