

ABSTRACT

The developments of ICT (Information and Communication Technology) nowadays demand the easy way to make transactions and to access information. These facts encourage the more services of Gateway SMS as one of way to access information and multi payment. In the other hand, our life style absolutely makes us have huge dependence of internet to gather information, browsing, do business transactions, sharing files, chatting, etc.

This final project will explain about a SMS Gateway that facilitates a transaction of buying train's tickets, both for pra-payment and pasca-payment. Beside, here will be explained the advantages of train's ticket reservation online based on website. The payment system is using automatic debit system of customer's bank account.

This SMS Gateway reservation system can be accessed by all of the operators of GSM and CDMA's number which already exist in Indonesia. But in the server side, TELKOMSEL will act as the only operator which replies all of the client's sms. This server uses gammu type as the communication media between hand phone and computer server.

Online reservation service as one of alternative way to reserve tickets will use PHP, with MYSQL verse 5.0.41 is used as its database system.

This final project is still a prototype, that's why it will be applied uses intranet (for reservation via website). It doesn't use internet as its application. The final result if this final project is a train's ticket reservation system for executive and business class.

Key words : Reservation, SMS Gateway, GSM