

## ABSTRACT

Cellular phone has become more than a need to its users; moreover it nowadays becomes a pop trend among people. It also occurs in corporate. Due to the growing of the corporate with its consequence of a vast number of its workers, people need a kind of worker information service that provides corporate workers' phone numbers, addresses, e-mail addresses, etc, so that it can substitute the limited function of phonebooks. This service can be realized by developing information center containing corporate worker information by taking advantages of SMS and WAP technology. It is hoped to do a favor simply by connecting the service center via SMS or WAP then the reply will be sent right away.

In this minor thesis, the writer studies SMS and WAP and also develop an application that provides phonebook information center for corporate.

The methods used in this minor thesis are: literature study, populating corporate phonebook database, existing and developing phonebook's feature analysis, design and implementation of application and also analysis and testing of application. This application is developed using Java, WAP, PHP, MySQL and API Package jSMEngine as supported component.

Finally, it can be concluded that this online phonebook application is merit to be implemented as service for corporate. Because of its compatibility with cellular phone and its searching facility through SMS and WAP that is really helpful for its users. Besides, its data accuracy can simply be achieved and if it cannot be achieved then it will provide the alternative answer for it. And also, its searching process takes average time of below 1 second with SMS takes average time of 0.16 seconds and WAP takes average time of 0.03 seconds. For its short processing time, this application indeed fulfills the needs of service.

*Keywords: phonebook, WAP, SMS*