ABSTRACT

PT. PLN Persero is one of company which has a lot of customers. Besides it

has a lot of costumer, it also has much variety of information and services which

can't easily get. We know that to get information from PLN about the blackout is

hard and also the bill which require us to go to the PLN bill payment counter or to go

to the ATM. Generally, payment is still done manually that need us to go to the PLN

counter or Bank. Not only that prepaid customers have difficulties to get the PLN

Token which only provide on certain banks and special place like post office.

Basically every customer wants a good service, either the service that can be done

every where, anytime, effective and efficient. Therefore, it needs some changes to do.

In this final project, researcher try to solve these problem by making an

application that needed by PLN customer which has a mobile characteristic based on

J2ME with the minimum specifications CLCD 1.0 and MIDP 2.0. This application

has some features such as checking the electric bill, electricity bill payments,

purchase PLN tokens, reporting customer complaints, and the blackouts

information.

The results obtained after designing the system and implementing it, we got

the result that this application runs 100% well on mobile phone devices, the server

running either 100%, and the client-server access times is about 1.971 ms to 35.35 ms

and the data size that sent from the server is about 289 bytes to 1433 bytes.

Keywords: J2ME, PLN, Mobile.