

ABSTRACT

Prepaid electricity is a product innovation that gives an opportunity to the customers to use electricity with an upfront payment transaction system before electricity is used, through the buying and charging "kwh-token" or recharge the kwh (similar to the deposit on the mobile phone), so it gives an add value and benefits to customers. But for very mobile and busy users, they will get trouble when they want to get information provided by PLN because the users don't have the time to come to PLN, and when the users want to buy deposit token which sold at certain places only. Therefore require an application which can facilitate the prepaid electricity users in using this service, because basically every customer wants good service, which can be served anywhere, anytime, effectively and efficiently. Based on that reason, so there is something must be created.

*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 purchase electricity prepaid pulse, **check and pay the postpaid electric bill, new customers instalation service, power changes service, the breakdown information and suggestion and criticism feedback from this application user.***

The results obtained after designing the system and implementing it, we got the result that this application works 100% well on handphone, the server works well 100% too, and the client-server access times is about 0,024 ms to 0,322 ms

Keywords: kwh-token, prepaid, handphone