

ABSTRACT

Electricity consumption gauge in apartment still using analog KWH meter, which the consumption electricity of KWH total and consumption cost will be known by customer till the end of period when the administrator of apartment give a announcement. But this method is a traditional method, which the PLN as a electricity consumption provider has a new method for this, that is using a token. Even that is a new method from a term of user comfort, this method still have some minus. Such as, token method just can be used for digital KWH meter, and then for buying a token, the customer have to buy on current place and after buy, customer must direct Input to KWH digital for refilling pulse can be complete. So, it require a system what can implement digital KWH method to analog KWH . And then the customer can access that system ini everywhere, everytime for some transaction like check a pulse and refill pulse, and the the customer can get a notification when their pulse will reach the last pulse too.

From that problem, can be seen an opportunity for bulding a application what can make it so easy to use for apartment consumer in every transaction such as checking pulse and refilling pulse. The application which build from web (for administrator and consumer) and additional application for consumer which build from PhoneGap technology, so it can be installed in multiPlatForm. And providing a facility for administrator or consumer can interaction with each other. And then a consumer can request a notification to remind them when a pulse has been reached a current nominal. And this application can be access from every place from smartphone which connected from internet.

From the result of fungsional testing and demo to 10 customer apartment, this system can work well. And tjis system can give access to customer wherever and whenever via web or mobile application. And then sms notification can work well too by this system and the last this system can work until 327 user but still give a tolerance until 505 user

Keyword : Electricity Billing System, Web, PhoneGap