

ABSTRACT

Distribution of electricity in residential or boarding house is commonly used measuring tool kwh Meter. However kwh meter measuring instrument that exists today has not been perfect if implemented in the outhouse. Kwh meter is not currently able to determine the power usage in every room and board. Thus, when determining the power usage in every room, usually the owner boarder determine at the same price. Whereas the use of power is different in each room. It is deemed less effective.

The program describes the system implementation on kwh meter. This system is the use of a pulse on kwh meter system that will be made by means of pulse charging is done by the owner of the boarding house by using SMS Gateway. Gateway SMS message content of this form of voucher codes that have been determined in advance. In addition to using SMS Gateway, charging pulse can also be done by using the keypad. In addition, the system will send a message to the user when a pulse in kwh meter runs out.

In this study has been made kwh meter measuring instrument. Kwh meter using pulse charging system based on SMS Gateway and also using the keypad. This instrument also has a function to notify the user when a pulse on the kwh meter runs and also tell when PLN off.

Keyword: SMS Gateway, LCD, KWH Meter, Mikrokontroler