

ABSTRACT

The need for system control electronic devices at home-based Wireless Sensor Network using wireless meningkat. Komunikasi increasingly have a more flexible capability in controlling the device at home, so that the wireless medium becomes very useful when in a house that has a power switch placement constraints hindered by goods other household purposes or locations that are less strategic switch. Currently people can control electronic devices by voice over voice. Google google voice application is an android based application that serves to control the device to be used in the need-to-day through the media noise and then the sound is transferred into the tool that we want to control.

In the electronic device control system is sound database is stored in server google voice with -instruksi control instruction according to which we have set, and then a voice instruction is transferred via a master node that uses wireless module ESP8266 for controlling several devices that are in the house.

Design results from the implementation of wireless sensor network system as a whole has an average response of 10.5 s to a maximum distance of 28 meters and on the master node has the required response in the execution order of less than 7 seconds to a maximum distance of 20 meters.

Keyword : Master Node, Database, Kontrol Elektronik