

ABSTRACT

The development of Wireless Sensor Network (WSN) is currently very rapid, especially for human life. WSN applications are generally used for the needs of monitoring, tracking and controlling. One example of the implementation of Wireless Sensor Network (WSN) is an arrangement or an electronic appliance control. This time to turn off or turn on electrical appliances in the house in general is still done manually. For example, to turn on or turn off the lights need to find a light switch. Another example is to turn on or turn off the fan, also need to press a button on or off the fan

In this electronic device control system control is done by using ios smartphone . Instructions our control such instruction set then transferred through a node that uses ESP8266 modules to control multiple devices at home. This research aims to design a node that serves as a link between applications with controlled electronic device , ie the lights and fans . The tool is designed to make everyday activities are done at home in controlling electronic devices by utilizing wireless communication . Use of the nodes used as a medium of communication between the control unit with the device to be in control .

WSN implementation is expected to control electronic devices successfully, and the testing is in a house It can control lights and fans of electronic equipment.