Abstract

The house is the most basic human needs. As a primary need of course every human being wants to have a safe and comfortable home. In its development a lot of innovations to improve comfort at home. One of them is the Smart Home concept.

In this research the author provide a breakthrough in which the Smart Home module can work dynamically so that users can attach new devices to the module without having to reconfigure the hardware. This module use the Wemos D1 Mini that is connected to a device at home, as well as the Raspberry Pi as a CCTV controller. This module is connected to a mobile application that serve as a controller and monitor via a web server for configuration. Users can control electricity, home lighting, doors, and other home devices through the Android application.

Key words : Smart Home, Raspberry pi, mobile application, desktop application. Wemos D1 Mini.