ABSTRACT

Electronic device control systems are currently still making physical contact, for example using lights, to turn on the lights the user must make direct contact with the light switch, if the lights you want to control are very large, this can take a long time, especially if the switch is organized lights are not well organized. Along with the development of technology in enabling users to need a system of human interaction by using voice commands, making it easier for users to control electronic devices, especially in the bedroom which includes devices such as: Air Conditioner, Lights and Cabinets. design a system and implementation of a control system for electronic devices using sound, the technology used is the Internet of Things by using the cloud database as an electronic device control center that can control electronic devices through sound, using ja lightweight global internet, this research adds speaker recognition features, with the aim of implementing a device authentication system using the user's voice. The test results, speaker recognition, obtained 70% in conditions where there is not much noise and 30% in outdoor conditions.

Keywords: Internet of Things, Voice Control, Speaker recognition