

ABSTRACT

The use of IP-based wireless applications as a media control signal distribution and monitoring has been growing rapidly, including setting household appliances, industrial, telemedicine, and robotic control. Especially in robot control applications are indispensable in daily life and are very helpful in human activities are dangerous and difficult to be done by humans and therefore needed an application that can control the robot remotely.

In this Final Project, has designed a robot that can be remotely controlled by air or wireless media as an application of robots patrol and spies. Where the design of this robot will use a robot integrated with sensors, DC motor as the driving robot, a camera to monitor the location of the robot is located and surrounding areas, as well as wireless module that has been integrated with IP. Attention is shown in integerasi robot sensors, robot control communications with IP-based wireless media with ATMEGA8535 microcontroller using the C programming language

Robots have been made so that the robot can down the room and can be controlled remotely from a WIFI-based wireless media.

Keywords: wife, wireless, camera, the C programming language, robots, sensors, ATMEGA8535.