ABSTRACT

Along with the development of increasingly advanced technology, robot technology is a tool that can be used as a tool for people who have been unavoidable. Not only in the world of information, but it has covered all areas of life. To simplify the process of making the robots created the framework for the programming of robots such as ROS (Robot Operating System). ROS (Robot Operating System) is a flexible working structure for writing software robot. ROS is a collection of tools, libraries and conventions that aim to simplify the task of manufacture of complex robotic habits across a wide range of robotic platforms. ROS can also be used to check the temperature of a room or the surrounding environment.

Temperature is a measure of the hot-cold of an object. Hot-cold an object is related to the thermal energy contained in the object. The greater the energy termisnya, the greater the temperature. The temperature is also called temperature. Pengaplikasiaan applications using tools such as Intel Galileo, LM35 and laptops

Intel Galileo is a microcontroller board based on the application of Quark Soc Intel X1000, a system chip 32-bit Intel Pentium class. Galileo was the first microcontroller board based on the Intel architecture design for hardware and software in accordance with the Arduino Uno R3 shield design.

Keywords: ROS, LM35, Intel Galileo