

Abstract

Increased body temperature of animals that suddenly are often the cause of death due to heat stroke. Most owner does not know when the pet is being felt to be aware of it or not. Most owner also considers the animals were limp and plenty to drink just because too tired after playing. This has become one of the factors animals suddenly die without the help of the right as a result of heat stroke. Based on this problem solution to be made in this study is a tool microcontroller-based temperature monitoring as an alternative. This technology will give an alarm that the pet is having a hot body temperature so it is necessary to get proper treatment. The technology works by detecting the temperature of an animal body and the room temperature where it is located and then the tool will let you know via smartphone if the animal is in a state of body heat by the temperature parameter. The execution of this study using fuzzy logic. The test results if the body temperature is already above 39 ° C then the animal is already experiencing alert condition. Body temperature parameter is the focus on the tool, while at room temperature into a supporting tool parameter.

Keywords: Heat Stroke, Microcontroller, Fuzzy Logic