

## **ABSTRACT**

The importance of the temperature in the server room because it can affect the quality of the server, in general, the settings for adjusting the temperature of the server room are done manually by turning on the Air Conditioner (AC) using the remote so that the temperature setting is not optimal, can cause additional costs in the form of server replacement costs because it is no longer available. work or costs for maintaining the server itself In this study describes the temperature prediction in the server room, predicting the server temperature can minimize the risk of damage to the server caused by the server being too long in hot temperatures, and server temperature can be seen in real time using IoT, due to IoT can be connected to the internet and microcontroller and for the method used is the IoT-based method and Linear Regression because this method can produce optimal output data.

Keywords: Temperature, prediction, Internet of Things, Linear Regression