ABSTRACT

The development of the Internet network infrastructure this days, allows a device to exchange information or data from the sensors and used the data for other devices to be processed. This process known as Internet of things. In this case, we need Raspbery Pi system as a server, and Internet gateway as a medium of communication between devices. By this method, we can make all kinds of systems that are integrated with each other

One of the example is the things that we make in this proposal as our last assigment, it is the automation system of the supply of basic commodities. We took our focus on it because it is considered as an activity that is repetitive and can actually be done with a system, which would save time and effort. By using regeresi linear method, we can detect the amount of volume supply of basic commodities we have, then provide notification on our smartphones while offering a new stock purchase to the nearest supermarket which is then directly sent to our home.

Keyword : Internet of Things, Suplly Automation, Raspberry Pi, Micro Controler, Mini PC, Smart Kitchen