

ABSTRACT

An understanding of how to work in a lab course microcontroller Microcontroller Applications in Telecommunications Engineering course D3 is essential. Introduction to microcontroller tools, functions, and how to use these tools is very important to be known by every student, students are expected to apply the workings of the microcontroller. Therefore, it needs a kit that can meet all the needs of the students in performing practical microcontroller applications.

To overcome these problems then at the end of the project created a microcontroller lab module kit that comes with the kit manual lab module. The microcontroller lab module kit will be made in a container box or boxes. Kit microcontroller lab module, equipped with a variety of modules and sensors are used, coupled with manual and application kits.

With the kit this lab module, students can comprehend and understand the microcontroller, and to know the application of microcontrollers. Lab equipment and modules can also be stored neatly as using a box as a storage container.

Key words: Microcontrollers, kits, Arduino, Zigbee