

ABSTRACT

Digital trainer is a digital technique lab work trainer which is designed to support the learning process and help the course of digital technique. Digital trainer consist of several units and circuits which include main problem in digital technique.

This final project is about making the digital trainer, where the circuit which has been made, has been integrated and consist of logical gates, combinational circuits, flip flop, and sequential circuit because device which have been used in IT Telkom especially in Digital Technique Laboratory to make the digital circuits still used a separated components from the trainer and that will be possible if the used component is out of order, so the lab work will be stagnant. The other advantage of this digital trainer is the writer designed dan combined the available circuit by herself. The component that used is economical in order that the cost to make this digital trainer is cheaper than the other device.

This digital trainer is easier to use than the available device before, but for the beginner, he/she needs a tutor who knows more about digital technique and this digital trainer.