

ABSTRACT

Lighting any room needs sometimes differ. It all depends and adapted to the activities undertaken. Some penyelidikan on the relationship between the productivity of the lighting has been shown that adequate lighting and set according to the type of work can result in maximum production and cost reduction. Good lighting is lighting that allows us to see objects clearly done.

Therefore dibutuhkanlah a device that measures the intensity of light. To realize the design of a device that measures the intensity of light, in this final project invented a device light intensity measuring instrument using digital BH1750 light intensity sensor for receiving light, the light that is received will be processed by the microcontroller to be displayed on the LCD.

With this tool we can measure the intensity of light in a room, and we can mengetahui measuring the intensity of light that we already meet the standards or not. This instrument has an accuracy of > 92% and this tool has cheaper prices than existing tools.

Keywords: light intensity, light sensor, bh1750, luxmeter