

Abstract

Energy saving is one of the issues that is quite hotly discussed, considering that spending non-renewable energy is not balanced with the consumption done. Street lights that are currently commonly used in Indonesia Consuming large energy with this understanding will be made street lights that can classify objects that pass by their speed by using an infrared passive sensor as a detector of passing objects that will be connected to a microcontroller and a connected dimmer. with lights will emit the upper intensity of the passing object. The application of this system has succeeded in making the street lamp adaptive to the speed of the passing object.

Keywords: Street lights, passive infrared, speed, light intensity