

ABSTRACT

In general, lighting for a boarding house with many residents is controlled manually. The common problem is that the boarding house owner needs a lot of effort to control the terrace lights at each terrace switch of the boarding house room, and the owner of the boarding house is often out of town, resulting in the lights not being controlled properly. One of the technologies that are developing at this time is technology in the field of lighting automation based on the Internet of Things (IoT). This research was developed in the form of a miniature boarding house with several lights. The system that was produced was successfully implemented so that the boarding house owner could control and monitor the intensity of the dark and bright conditions of the boarding house terrace area with an Android-based application.

Keywords: Internet Of Things, Android-based application, monitoring, control.