

ABSTRACT

Telkom University Purwokerto is one of the universities in Indonesia that focuses on the field of information and communication technology. However, room booking management is still often done conventionally, namely through a manual booking system that involves an administrative process that requires students to meet the logistics and academic parties first. Although the process is relatively fast, the manual system has limitations such as dependence on working hours and the absence of centralized historical loan documentation. In addition, users also cannot directly find out the availability of the room without contacting the relevant parties. A website is needed to manage room booking on campus so that they can be well organized. The room booking system that can be accessed through the website serves users who want to use the room for academic and non-academic purposes. The goal is to design a room booking website that serves to manage room booking at Telkom University Purwokerto. This room booking website has been created using prototype method and Laravel framework. The result is a room lending website at Telkom Purwokerto University which has features to view a list of available rooms, the room booking process, as well as the history and list of room borrowers. Based on the results of blackbox testing, the total percentage of successful functions is 96.45%.

Keywords: framework Laravel, room booking, room management, prototype, website