ABSTRACT

Booking room is an activity that is always carried out by Telkom University residents in lecture activities. Telkom University residents borrow a room to carry out lecture activities outside the fixed schedule determined by the university. Such as booking a room to do substitute classes, holding meetings, social gatherings, etc. With the number of bookings room that occur, its not easy for logistics party to monitor the bookings room data that is still stored in Microsoft Excel. To overcome this, the logistics party provides a solution by creating a booking room Tel-U website that will handle all bookings room within Telkom University. With this website, the logistics party will be able to collect data in one database. For this website to run well, we chose to use the Laravel framework using a MySQL database. This study will use the waterfall method because the requirements are not too complicated and clear for the features that users want and need. This research has succeeded in developing a back-end that has been tested using unit testing which is included in white box testing. From the results of unit testing, it can be concluded that the back-end of the booking room Tel-U website has met the needs and can be used.

***Keywords** : Booking Room, Back-End, Waterfall, Website*