

ABSTRACT

Information System Log Data Center Directorate of Information Technology Bandung Institute of Technology is a web-based application that was built to record visits and servers colocation data at the Bandung Institute of Technology (ITB) data center. There is no application to manage and log incoming/outgoing visitors. Meanwhile, server recording usually uses third-party applications that are not connected to the ITB database. The system for recording visits and server placement is currently not well organized. This application was built with a feature to create a visit and server placement submission, an approval feature to approve the submission, a card scan feature to record visitor entry/exit, and is also equipped with a feature to print data center log reports. With these features, this application can help DTI manage requesting visits and server placements so that they become more effective. Incoming/outgoing data of people and servers can be stored and managed properly, it can also make it easier to make a recap according to the period the user wants. The method used in developing this application is the waterfall model SDLC (System Development Life Cycle). There are also tools used, namely the PHP programming language, JavaScript, HTML and CSS to create a web interface, and MySQL for the database. This application is made using the Code Igniter 4 framework. As for the modeling it uses ERD (Entity Relationship Diagram), and use case diagrams.

Keywords: log, data center.