

ABSTRACT

The Tekos application is an application that makes it easier for users to find information on boarding houses, rentals or services around the Telkom University area. This application stores a lot of data, such as user data, boarding data, rental data, and service data. Therefore we need a database modeling system that is well structured and efficient in storing and managing data. Analysis and design of the database on the Tekos application is carried out using the Database Life Cycle (DBLC) method which has stages starting from planning, analysis, design, implementation, and maintenance. In addition, database verification and database unit tests are performed with scenarios that represent data storage, update, retrieval, and deletion. The test results show a unit test success rate of 100%. This success rate indicates the level of quality and reliability of the units tested on the software code so that it can be concluded that the existing database is in accordance with the modeling that has been made and the database that has been created has implemented the specified limits and validation according to the requirements listed in the Software Requirements Specification (SKPL) document.

Kata Kunci: Tekos, database, DBLC.