

ABSTRACT

This bicycle loan application is implemented to help students in the process of lending bicycles at Telkom University. Telkom University provides bicycles borrowed by students in order to create an environmentally friendly campus environment (Go Green). Bicycle lending at Telkom University is still done manually so students must come to the lending office to ask for permission to borrow, extend, and return bicycles. As a result of this, problems arise in the form of bicycle lending and returning, information on the status of the bicycle, the duration of the bicycle loan and the deadline for bicycle lending. Therefore, the author wants to make an alternative application for borrowing an android-based bike that can facilitate the problem. The methodology in working on this application uses the waterfall model. The programming language used to build this application is java by using MySQL as a server on the database. Based on the results of the tests that have been conducted that the application is able to facilitate students as a solution to these problems, such as students can find out the location of bicycle lending, bicycle availability, bicycle lending, renewal, and return, then students can find out the loan term, the deadline for borrowing, and enter a complaint.

Keywords: Bicycles, Loans, Android, Students, Telkom University.