

Pengujian Otomatis pada Aplikasi Web LegitCheck Bebasis *Behaviour Driven Development* (BDD) menggunakan Katalon Studio

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Abstract

The production and circulation of counterfeit goods are increasingly prevalent in society, covering various fields such as fashion and technology. In Indonesia, low public awareness of counterfeit products and the physical similarity between genuine and counterfeit products are the main causes. Several applications for verifying the authenticity of goods, such as Depatu, Legit App, and Barcodelookup, still have shortcomings in the aspects of QR code creation and management, as well as checking the authenticity of goods through QR codes. Therefore, the LegitCheck web application was developed to address these challenges and requires functional testing to ensure it performs as required. The problem faced is that the LegitCheck Web Application is new and requires functional testing. Automated testing is considered more accurate than manual testing. The Behaviour Driven Development (BDD) method was chosen because BDD focuses on the movement of an application where GUI testing is related to movement or interaction and BDD also focuses on features. It can be a solution by focusing the team on stakeholder expectations of software functions, and BDD can make it easier to create test scenarios that can be understood by all parties and ensure the suitability of the software workflow to the needs. This research uses Katalon Studio and the Cucumber framework to perform automated testing with the BDD method on the LegitCheck web application. The main result of this research is to ensure that the main features of the LegitCheck application work properly without errors before being deployed to users, as well as conducting an analysis of the automated tests carried out.

Keywords: automated testing, bdd, katalon studio, cucumber.
