

Pengembangan Dashboard Automated Test Error PT. Global Digital Niaga (BLIBLI) = Development of Automated Test Error Dashboard PT. Global Digital Niaga (Blibli)

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Abstrak

Automated test adalah otomatisasi dari aktivitas software testing menggunakan testing tool. Namun, pada kenyataannya, testing tool untuk melakukan automated test masih memiliki kekurangan. Berdasarkan wawancara dengan Tim Research and Development (Tim RnD) PT. Global Digital Niaga (Blibli), automated test pada Blibli dieksekusi secara berkala dengan bantuan automation server sehingga menghasilkan report yang terpisah-pisah. Hal tersebut disebabkan testing tool membuat satu report setiap kali test cases dieksekusi. Berdasarkan masalah tersebut, tim pengembang merealisasikan project “Error Book”, sebuah dashboard automated test error. Error Book memanfaatkan custom maven plugin dan Elastic Stack untuk mengelola data dari automated test secara real-time sehingga dapat disajikan pada aplikasi front-end dashboard. Dengan Error Book, Tim RnD akan lebih mudah untuk mendapatkan informasi mengenai error yang terjadi pada automated test secara keseluruhan. Informasi tersebut akan menjadi acuan untuk melakukan improvement. QA engineer akan lebih mudah mengidentifikasi error yang sering terjadi pada automated test milik divisinya sehingga perbaikan preventif dan represif untuk error tersebut dapat dilakukan dengan cepat. Tim pengembang telah melakukan user acceptance testing (UAT) kepada Tim RnD Blibli, QA engineer Blibli, dan QA engineer perusahaan lain.

.....Automated test is the automation of software testing activities using testing tools. However, in reality, testing tools to perform automated tests still have drawbacks. Based on interviews with the Research and Development Team (RnD Team) at PT. Global Digital Niaga (Blibli), automated tests at Blibli are executed periodically with the help of an automation server. Hence, it generates separate reports. This is because the testing tool creates one report each time a test case is executed. Based on this problem, we develop the “Error Book” project, an automated test error dashboard. Error Book utilizes a custom maven plugin and Elastic Stack to manage data from automated tests in real-time so that it can be presented in front-end dashboard application. With Error Book, the RnD team can get information about errors that occur in the automated test as a whole easier. This information will serve as a reference for making improvements. QA engineers can easily identify errors that often occur in their division's automated tests so that preventive and repressive repairs for these errors can be carried out quickly. We have carried out user acceptance testing (UAT) to Blibli RnD team, QA engineers at Blibli, and QA engineers at other companies.