

ABSTRACT

Software is a product which develop to help finish the user task. To ensure the quality of the software built has meet the requirement, both functional and non-functional testing were needed. This test is important to ensure that the software has been running well before it accepted by user.

One of important non-functional software testing is software performance test. Performance test including stress test and load test. Stress testing use to measure the capacity of software handle the overload request. Load test use to measure the capacity of software handle the normal and peak request. Performance load test need both of big time and big effort to do. The test has to create test case design and simulate all of software environment condition which it is hard to do manually.

This final task was conducted to execute the *performance load test* to *Production Enterprise* information system especially for *Production Planning* application using *test case generator tool* to make test design process easier. *Test case generator tool* was built and used to automate the test case development so that it would be faster and easier to do by the tester.

The test result show that *Production Planning* application has a good performance according to the requirement and some improvement to reach the better performance furthermore, and also there is no *bottleneck* indication detected from the test which can degrade the performance of system.

Keywords: *Performance test, automated load test*