

## ABSTRACT

*The development of software should pass through the process of software quality assurance. To get the software that have a good quality then the software development should pass through a process of quality assurance. One of the software Quality Assurance process is software testing.*

*The important aspect of testing is a generation test case. In generation of testcase there are several techniques applied include in Whitebox testing and Blackbox testing. Blackbox testing is a test that can generate test cases by using the software requirements specification.*

*This project tesis is to establish an application that implements the Cause Effect Graphing on Blackbox testing technique that can generate test cases by using software requirement specification with the rate of 100% truth and can reduce test cases by 90%.*

**Keywords :** *Cause Effect Graphing, Blackbox Testing*