

CHAPTER 3

RESEARCH METHODOLOGY

1. The main purpose

The purpose of making this project is based on the problems that can be obtained during software testing at the company PT. Hartono Palace of Technology. The main objective is to find out and compare the 2 methods that will be used in software testing. Where there are 2 methods to be tested in software testing, namely the Trial and Error method and Integration testing.

2. Explanation of the method used

The Trial and Error method itself is a method to achieve a goal in various ways. This effort is done several times until finally getting the most suitable way. If errors are found, they will be recorded for evaluation and as learning material. It is done in more than one way until one method works. Integration testing is the phase in software testing where individual software modules are combined and tested. Integration testing is carried out to evaluate the compliance of a system or component with the specified functional requirements.

3. Research design

The research design uses a test case table that has been created. The contents of the test case table itself contains a description of the test and the desired test results.

4. Test scenario

For example, testing the buttons used, commands for downloading and uploading, and integration from some menus to other menus. Existing sampling is through a program that has been made previously, namely there is a software called Artemis.

5. Testing stage

in this case there are 4 menus that will be tested. each menu will have several buttons, displays and commands to be tested. each menu will be tested 10 times. for the desired results will be made a diagram of success and failure in the testing phase.

6. Desired result

Because there are 2 software testing methods, the conclusion obtained is that both methods will be tried and the desired results are obtained. How effective are the two methods, and the effectiveness of the two methods for conducting software testing. and it can be seen from the diagram of the test results

