CHAPTER 1
INTRODUCTION

1.1. Background

This research was conducted because there was a little confusion in choosing the software testing methods available at PT. Hartono Istana Teknologi. At the beginning there was no special test method for software testing. It is hoped that there will be a special method for testing software so that it is not difficult to test software. The methods used in this project are Trial and Error and Integration testing. This methods are used because most companies out there also use this method. Then take this method to test the existing software at PT. Hartono Istana Teknologi.

The Trial and Error method itself is a method to achieve a goal through various means. This effort is done several times until finally getting the most suitable way. Errors or errors are recorded for evaluation and as learning material. The effort was carried out in more than one way until it succeeded. Whereas integration testing is a phase in software testing where individual software is combined and tested as a group. Integration testing is carried out to evaluate the compliance of a system or component with the specified functional requirements. It happens after unit testing and before validation testing. Integration testing takes the tested input. Implements the tests specified in the test plan and provides an integrated system output ready for further testing.

The problem solving solution offered in this research is to use the 2 methods described previously, namely Trial and Error and Integration testing. After the test is successful or has been completed, this study indirectly also compares the two methods. Where from the two methods will look for more effective results for testing the existing software at PT. Hartono Istana Teknologi.

1.2. Problem Formulation

This research activity was carried out to find answers to existing problems. The problems that can be obtained are as follows:

1. How are the results made using the Trial and Error method?
2. How are the results made with the Integration testing method?
3. Are there any differences in the results of the two methods?

1.3. Scope

In a study, the researcher must know and be able to explain the scope and limitations of the research itself. the limitations are as follows :

1. Perform software testing using trial and error methods and integration testing in the service department, service visits, price masters, damage master diagrams, and regional coverage registration.

2. Looking for the most appropriate method for software testing at PT. Hartono Istana Teknologi.

1.4. Objective

The purpose of this study is to find out the results of the comparison of 2 software testing methods. The two methods are trial and error and integration testing. This research will determine the most appropriate software testing method used for software testing activities.