CHAPTER 3

METHODOLOGY

3.1 INTRODUCTION

This chapter will describe the tools and equipment used to analyst software development in inventory of E-ECLAB. Methodologies are divided into two segments, the gathering process and the data analysis procedure. Data gathering is one primary task that involved in researching, by find the hypothesis and tests it to get the true validity. In order of that this researching must have to gather the data analysis. There are many procedures for gather the data such as make an interview with the laboratory coordinator to gather the information about the old inventory system and testing the system that had design.

On other hand, data analysis is done once there have gather enough data for tests the validity hypothesis. Usually, to ensure the applications has finally validity the hypothesis there are several steps that has to consider in this analysis by using the waterfall model that will be discus in chapter 4. [9]
The works begin with finding the information about the project. This is where the research problems are identified. In this project, need to identify the databases that need to use in this inventory and design the form for an application. It has been the problems that need to be solved. The works continue with the literature reviews on comparing database between SQL and Microsoft Office Access and comparing between developer Visual Basic Express and Microsoft Office Access. This is important for the researcher to understand the fundamental concept and operations carried out. Figure 3.2 show the flow chart for the process need in software development.
Figure 3.2: Process for software development