CHAPTER 3

METHODOLOGY

3.1 INTRODUCTION

For the purpose of this study, parking study is to find out whether it is sufficient or not. Parking is a key element in providing planning and control traffic and provides a foundation in basic transport facility providing basic transport facilities in the area. Developments and progress in the area will result in a traffic system will also increase. Indirectly, it will cause parking requirements will also increase.

In a study of parking, we need to analyse the actual problem, the existing facilities are appropriate or not. In addition, we also need to study the impact of traffic and the impact on the environment should be considered in evaluating the placement of the car. The study of vehicle stops is also very important. Once the vehicle reaches the destination, respectively, the driver will be driving slowly to find a place to park.

In the Klinik Kesihatan Bandar Kuantan is selected as the study area. The number of residents in the area Kuantan is 224016 people. Therefore, I want to conduct a study of parking at Klinik Kesihatan to ensure that the number of car parking spaces sufficient to the population. This is because, a health clinic is provided for residents to concern about their health. Health is an important to us.
The process of completing this study involves a series of steps, which could be categorized into three basic approaches namely data collection, survey and analysis. This chapter will discuss in sequence regarding the detail methodology and procedures applied in achieving the objectives of this study.

**Figure 3.1:** Flow chart of methodology
3.2 INTEREST INVENTORY PARKING IN THE CONTEXT OF TRAFFIC PLANNING

Census car park is an important criterion in traffic planning. Of census parking can be known about the demands and needs of a parking area or otherwise. Intensity within parking is also available from this census. The concepts of time that should be taken into making judgments about parking demand. For example, demand for parking in the vicinity of Jalan Bukit Sekilau should be evaluated first. Selected times shall pass time at the venue.

Definition of parking demand will not be properly without having the concept of time. A trip that usually estimated at over 24 hours, with the request parking requirements should reflect the needs of peak hours in the day. In addition, attention is needed to request a parking vary according to seasonal patterns. With this concept of time will give the maximum rate for the peak season demand. This gives a fair idea about the description of the request parking for a land use.

Analysis of the survey, the parties concerned can provide control measures to overcome or reduce the issues and important factors on the characteristics of parking in an area. Only this is where all kinds of facilities required by the driver can be provided.

3.2.1 METHODS OF PARKING SURVEY

In conducting the parking survey, several methods can be used. It depends on the suitability of the selected area, the financial resources available, and the size of the survey, labour and equipment. Method of survey parking as follows:

1. Survey of arrival and departure
2. Assessment of parking demand.