CHAPTER 3

METHODOLOGY

3.1 INTRODUCTION

The research procedure and the method that used in this research were discussed in this chapter. The methods are applied to achieve this study using the following techniques: the review from literature that are related to the factor that led to challenges and risks for women working in the construction field were studied, gathering data, analysis data by using questionnaire. The Statistical Package for Social Science (SPSS 22) was using to analyse the data that are gathered from the questionnaire. The data collected and data analysis will be presented. Research strategy and design, research sample, design of questionnaire, data collection process, statistical and analysis were provided the information in this study. Besides that, the validity of content and also pilot study is also summarized.

3.2 RESEARCH DESIGN

A survey I designated to obtain the qualitative and quantitative information on of women in construction industry. There were three section of the questionnaire. The beginning of the survey which is Section One, sought demographic information about the respondent profile or detail is being surveyed such as gender, age, marital status, education level, type of organization, type of discipline and also works experience. It involves ticking the bullets. Then, second part of the survey which is Section Two, it is about the challenges and risk for women while working in the construction industry which involve level agreement of the opinion that have been given by ticking boxes on
table and lastly Section Three which it involve by rank the careers based on most suitable careers to less suitable careers for women in construction industry. The sample is women and men who work in construction industry. Besides that, there have the flow for the methodology that was used in this research.

Figure 3.1: Flow chart of the methodology of the research
3.3 **RESEARCH PURPOSE**

1. To identify the risk or conflict that encountered by women who work in the construction field and industry.
2. To identify an appropriate employment for a women who work in the construction field or industry.
3. To identify the scope of an appropriate work for women in the construction industry.

3.4 **DATA COLLECTION**

The method of collecting data in this study were selected by using the questionnaire because it probably the most commonly used in data collection techniques for conducting surveys. From this method, the respondents will be confidentially, besides that it also supports internal and also external validity from the questionnaires, other than that it enables to analysis and also it can save all the resources. The samples were collected in a standardized form where it allows the researcher to carry out the data statistical references with the computer’s help. In order to collect the data needed for this research, the questionnaire were distributed in order to get their opinions about the factor that led to challenges and risks for women who working in the construction industry. The main program of software which is SPSS was used to analysis data where it depends on the research methodology.

3.5 **RESEARCH SAMPLE SIZE**

The populations that were targeted of this study are respondents from project manager or project team regardless whether women or men who are employed by construction industry which is having experienced work in the construction projects in Malaysia.