

## **CHAPTER THREE**

### **METHODOLOGY**

This chapter describes the design and procedures used in this study as follows:

- 3.1 Subjects
- 3.2 Materials
- 3.3 Procedure
- 3.4 Data analysis

#### **3.1 SUBJECTS**

The sampling frame of this study is the non-academic staff (supporting staff) of King Mongkut's University of Technology Thonburi who have attended English training courses at KMUTT during the years 2004-2006. However, the total number of this group of staff, which is 293, would be too large a sample for this study due to limitations of time and resources. Therefore, only 100 were selected randomly as the sample.

#### **3.2 MATERIALS**

The questionnaire is used as the instrument in this study. It aims to survey the factors affecting English learning of non-academic staff of KMUTT. The questionnaire consists of four parts and comprises closed-ended and open-ended questions. The closed-ended uses a 5-point Likert scale, of which the scales used for scoring are the following:

- |                   |     |
|-------------------|-----|
| Strongly Agree    | = 5 |
| Agree             | = 4 |
| Uncertain         | = 3 |
| Disagree          | = 2 |
| Strongly Disagree | = 1 |

The open-ended is used to ask the opinion of the respondents. The questions are separated as follows:

- Part 1: Background information of the respondents
- Part 2: The respondents' attitudes toward English

Part 3: The respondents' attitudes toward factors affecting English learning

Part 4: Suggestions and other opinions

Since there might be some questions that may be not clear enough to answer, a pilot of the questionnaire was conducted among 10 non-academic staff to allow the researcher to know the problem or unclear questions, and thereafter modify the questionnaire.

### **3.3 PROCEDURES**

#### **3.3.1 Research Design**

This study uses the cross-sectional design to study the factors affecting English learning of non-academic staff at KMUTT.

#### **3.3.2 Data Collection**

The researcher selected 100 subjects randomly from the total population of 293. The questionnaires were distributed directly to the subjects. All copies of questionnaires were collected one week later by the researcher. The researcher verifies the completeness and correctness of the data prior to further processing.

### **3.4 DATA ANALYSIS**

The data collected from the questionnaire were processed by SPSS version 12 program to statistical analysis. The results were presented in terms of frequency, percentage, and mean.

In summary, this chapter has shown the methodology of this research regarding subjects, materials, procedures, and the data analysis. In the next chapter, the results of the research will be presented.