

## CHAPTER III

### RESEARCH METHOD

This chapter discusses the research methods applied for the study that will be covered in some headings (1), Approach and Research Design (2) Research Presence (3) Research Location (4) Data and Source the Data (5) Data Collection Technique (6) Instrument of the Research (7) Data Analysis Technique (8) Checking Validity of Findings

#### A. Approach and Research Design

The goal of this study is to know the students difficulties in designing digital media on call Class for Teaching English. Considering the goal, this study is included as qualitative study since it tries to describe a phenomenon of language behavior.<sup>1</sup> As a pointed out by Ary in his book “Introduction to Research in Education”, there are five kinds of research design, they are experimental research, ex post facto, descriptive research, correlation research and survey research<sup>2</sup>.

In addition, this research use one of the characteristics of qualitative study that is natural setting to describe social phenomenon as it occurs naturally without manipulation<sup>3</sup>. After that, this study also used narrative descriptive to find the students difficulties in making digital media by describing the result of the

---

<sup>1</sup> (Selinger and Shohamy, 1989:120)

<sup>2</sup> Donald Ary, Introduction to Research in Education (Australia: Wadsworth, 2002), 22.

<sup>3</sup> Dörnyei (2007:38)

research whether the students have difficulties in designing digital media or not

## **B. Research Presence**

In this study, the acts of the researcher were considered as well as a data collection instrument. The instruments other than the researcher were also used, but only served as a supporter for researcher in doing the research. Therefore, the presence of researcher in the field is required. The presence of the researcher was needed when distributing the questionnaires and interview to the respondents. After that, the presence of the researcher known by the subjects of the research from the first time research is field is conducted. The difference of qualitative research from quantitative research are the methods used to collect and analyze the data. In qualitative research the researcher is the primary instrument to collect and analyze the data.<sup>4</sup>

## **C. Research Location**

The research location took place at State Islamic University of Sunan Ampel Surabaya. It is located on Jl. Jendral Ahmad Yani No 117. The participants focused on English Education Department Students of eight semester who joined CALL (Computer Assisted Language Learning) course where they have learned and practiced

---

<sup>4</sup> Donald Ary- Lucy Cheeser Jacob –christine K, soreness, introduction to...424

about designing some English material using technology in various ways.

The subjects of the study were the eighth semester students. The subjects were chosen because they have joined CALL 1 and CALL 2. It means that the subject of the study have experienced all the difficulties both in CALL 1 and CALL 2 classes. Moreover, they have practiced in teaching and learning process as a pre-teacher.

There were 80 students of English Education Department in eight semesters. Then, students who have taken CALL course are around 55 students who are divided into two classes.

#### **D. Data and Source the Data**

The information of the data obtained from the interview and questionnaire based on the students reaction and the teacher. The researcher uses two techniques to collect the valid data for this research. There were questionnaire and interview form in qualitative analysis

There were questionnaire for the participant who has taken CALL Class in eight semesters and to make straight result when collect the data the researcher ask to the lecturer to make some interview. Therefore those two techniques are taken because this study concern to answer the mind research question is students' difficulties in designing digital media on CALL Class for teaching English. .

In collecting the data will focus on students' difficulties in design the digital media on CALL Class for teaching English and break down by : what are the factor when students fell difficulties and also how the students face the difficulties, dealing with the result from the questionnaire and interview.

### **E. Data Collection Technique**

The collection technique of the data that were survey (questionnaire) and interview about what the students difficulties in designing digital media on CALL class for teaching English. The steps of those two data collection technique were:

#### **1. Survey**

According to Sugioyono "questionnaire sheet is techniques to collect the data that gives question or declaration to the respondent in order to answer it.<sup>5</sup> Questionnaire as the instrument of the research in this study used to collect the data from the respondents to evaluate the student's difficulties in designing digital.

Student in english education have the course to design technology as term CALL class, in this class has a goal that the student to be able to make and design digital media. Before questioning the researcher measured that the students take CALL class. Therefore, in this step survey was conducted for students have taken CALL class in eight semesters. By using

---

<sup>5</sup> Sugiono, Metode Penelitian Pendidikan (Bandung:Alfabeta 2010)

questionnaires, the general idea was gathered from the students that have difficulties in designing digital media and how they deal with the difficulties in designing digital media. In this study all the questions need a reason. Thus, all of them gave contrast result like they find difficulties in designing, the deal the difficulties by discuss with friend (specify) and brave explanation. Therefore the respondent researched and analyzed were those who gave expected and needed responses to answer the questions.

The survey had eight questions, from the questions provide, the question number 5 and 6 were intended to find the answer of the students difficulties when designing digital media and also do they have difficulties or not in CALL Class. After that in question number 7 was intended that the researcher found the answer what the student's factor feel difficulties in designing digital media. Therefore the last question number 8 it was intended to obtain the answer how the students deal the difficulties in designing digital media on Call Class for teaching English.

## 2. Interview

The interview was held after survey. In these interview techniques the researcher intended to know from another point of view, therefore the researcher asked the lecturer who handle CALL class to be interviewed. Since from another point of view the researcher wanted to compare the result and the deeper answer from both points of view. The type of interview used in this study

was one on one interview of face to face directly with the respondent, email interview<sup>6</sup>.

Interview would be more suitable method if the researcher wanted to gain insight into things as opinion, feeling, emotion and experience of some people it means the respondent can explore the answer more than one or two words<sup>7</sup>. Therefore, some questions in interview guidelines were going to be asked to the lecturer who handled CALL class. While the lecturers were being interviewed, some important information was noted. The questions consist of 4 stages used open ended interview, all the questions helped to look for the information and make crosscheck from another point of view as the secondary instruments<sup>8</sup>.

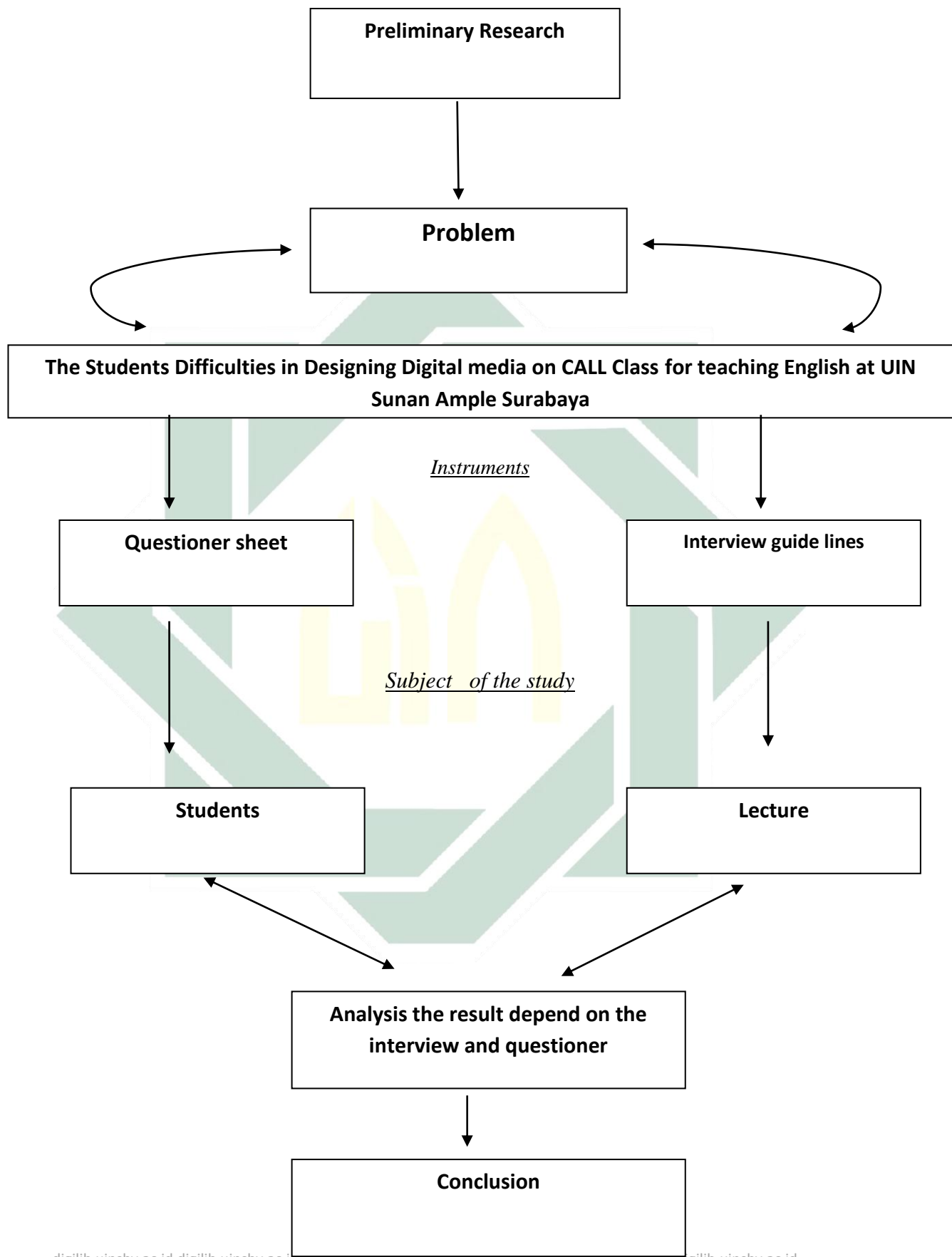
From the questionnaire and interview form, Researcher collected the data from the participants' result of each digital media and students respond. The style will be like in figure below:

---

<sup>6</sup> Ibid P.218

<sup>7</sup> Martyn Denscombe, the goog research guide: fourth edition.(New York :Open University Press 2010) P172

<sup>8</sup> Philis Tharaneou, Ross Donohue and Brian Copeer. Management research method.(New York : Cambridge University 2007). P.108



The description of the figure above is the first sub RQ (1) took about students perception in difficulties designing digital media on CALL Class for teaching English and will be break down with, what the students factor student difficulties in designing digital media and how the students face the difficulties. The continuing to get the data use questioner for the fifty five participants and the interview guideline for the lecture after the researcher analysis the result of the data and the last the research will give the conclusion based on the result and the phenomenon.

Finally, after getting those conclusions of each instrument, researcher will take the big conclusion as the result of the research. Then, it will have the description of students' difficulties and how the students deal the problem in designing digital media .

#### **F. Research Instruments**

There were two instruments to use in this study. There were: Survey (questionnaire) and interview guide lines the descriptions are follow below:

##### **1. Questionnaire**

In this study the researcher was used questionnaire because the researcher needs to get the information from the respondent about the student's difficulties in designing digital media on CALL Class for teaching English. Questionnaire based on written information completed directly by people as response of question provide in the



questionnaire. The information from questionnaires was tends to fall into two board categories “facts’ and ‘Opinion’.<sup>9</sup>

The design of this survey use open and closed ended question, the technique is open – closed ended question that the researcher do not provide the respond and option, the participant provide their own reason<sup>10</sup>.

The questions provide, the question number 5 and 6 was intended to find the answer of the the students difficulties when designing digital media and also do they have difficulties or not in CALL Class. After that in question number 7 was intended that the researcher find the answer what the students factor feel difficulties in designing digital media. Therefor the last question number 8 it was intended to obtain the answer how the students deal the difficulties in designing digital media on Call Class for teaching English.

## 2. Interview Guidelines

The second instruments in this study the researcher wanted to get the detailed information and to make a crosscheck of the students’ impression of the student’s difficulties and the students deal the problem during the designing digital media.

In this research, researcher also uses another technique in collecting the data there was Interview. In the interview section the questions consist 4 questions used open ended interview. crosswell stated that

---

<sup>9</sup> Ibid P.155

<sup>10</sup> John W Creswell, Educationanlresearch : Planning, Conducting and evaluating quantitative and qualitative research , (boston library of congress cataloging in publication data 2012) P.387

open ended question will make the respondent voice their experiences with unconstrained by the researcher's perspective or the past research finding.<sup>11</sup>

The questions asked to the respondents were divided into four parts that were warming up, analyze, core and closing. Core part consisted of questions that were intended to find the answers of the research questions. However the questions asked to the respondents were not absolutely the same as the interview guidelines because the interview guidelines used was in kind of semi structured, It sometimes improved on the situation and condition while interview was held. During the interview, researcher used tape recorder to record the interviewer explanation. Researcher also used camera to take the pictures because it proves that the interview really happens.

### **G. Data Analysis Technique**

The data collected were in the form of qualitative. The qualitative works questionnaire and interview from the respondent. Then, all the data interpreted analyzed. After that the outcome of the data reported from the beginning to the end used qualitative descriptive<sup>12</sup>.

The first technique the researcher held a survey or gives the respondent questionnaire, after that analyze the result of questionnaire each students by following table

---

<sup>11</sup> John W Creswell, *Educationanlresearch : Planning, Conducting and evaluating quantitative and qualitative research* , (boston library of congress cataloging in publication data 2012) 218

<sup>12</sup> John W Creswell, *Research Design : Qualitative, Quantitative and mixed method approaches*, third edition (University of nebraska liconln data 2009) C.9

**Table 3.1**  
**Questionnaire Transcribe.**

<b>Question number 1</b>	
Respondent 1	Answer
Respondent 2	Answer

After all 55 respondents answer the question the researcher will analyze the data follow the step below<sup>13</sup>:

The first step is the research will organize and prepare the data for analysis, type the question after that print and distributed to the respondent. The second step is the research read through all the data that answered. The third step is after get the data the research begin analysis used coding, coding the process of organizing the material into chunks or segments of text before bringing meaning to information (Rossman & Rallis, 1998, p. 171). The fourth step is give categories for analysis after that the researchers can generate codes for this description. Then, the fifth step is advance how the description and themes will be represented in the qualitative narrative. Describe in each codes that consist of each categories or theme. The last step to analyze the data is the data analysis involves making an interpretation or meaning of the data.

---

<sup>13</sup> Ibid C.9

**Table 3.2****Analyze the Questions.**

<b>No</b>	<b>Reason</b>	<b>Categories</b>	<b>Code</b>
1	Students reason	Give categories	Code

After get the categories and code the researcher will describe the result use narrative descriptive. To know the deeper information the researcher held a interview from another point of view here the researcher choose the lecturer who handled CALL class. After get the data the researcher will analyze the data and compare with the data. After all the data conducting the researcher will analyze all the techniques to find big conclusion.

**H. Checking Validity of Findings**

Triangulation was applied to keep the validity of research finding. There was two collocation techniques used in this research there were small survey or questioner and interview guidelines. The questioner and the instruments used have been validated by the lecturer before it is distributed to the respondents. That data collection technique was conducted to make sure credibility and the validity of respondents answer in questioners and interview guidelines.

## I. Research Stages

There were three stages to finish this Thesis. Those three stages were:

1. The first stage was submitting title proposal.

There were three stage was submitting a title proposal based on the research that was going conducted. After the title was accepted, next progress written proposal used preminelary research with the guidance by advisors. The proposal written with followed the rule and formation that given by the English Education Department. Once the proposal finished, the approval was obtained from advisors. After that followed a proposal examination

2. The second stages doing the research and analyze research finding

The second stage was starting the research with the guidance of the advisors. It was started from survey (questionnaire). The questionnaire distributed to the students in eight semester who have taken CALL class. Once the data were gathered, the result was analyzed to be continued to the next step that was interview section. By interview, more complete and deeper information from another point of view were gathered. The data from questionnaire and interview were analyzed so that it can be reported for research finding.

3. The third stages was doing thesis examination and asking legalization.

The third was asking approval from the advisors, after that registering and joining examination.