

## **CHAPTER III**

### **RESEARCH METHOD**

#### **A. Research Design**

Research design is made to find and answer the question of the study. This research was conducted to learn more about Hello English usability using 10 heuristic and students' pronunciation error when they speak a conversation text in Hello English application that already took pronunciation course in 1<sup>st</sup> semester of Antasari State Islamic University English department.

In this research, the researcher used a design of mix method. According (Creswell, 2014), Mixed method may involve deductive use of theories in testing and validity of quantitative theories, or inductive use such as new qualitative theories or patterns. In addition, there are several unique ways researchers incorporate theory into mixed-method research where they collect, analyze, and integrate both quantitative and qualitative data using a variety of mixed-method designs (p103).

The researcher employed a mixed method in this study which is a method of research that attempts to know Hello English usability using 10 heuristic and analyze students' pronunciations error. The researcher collected the data from questionnaire and document. Every student will have the same test conversation. The researcher used the data that had been

gathered to identify and analyzer pronunciation errors by using Hello English application.

## **B. Research Setting**

This research take place at English Education Department especially to the students that already took pronunciation course in 1<sup>st</sup> semester at the Jend-based Antasari State Islamic University Km. Ahmad Yani Street 4, 5, and Banjarmasin. The location was chosen by the researcher based on prior that the students' have finished Pronunciation Practice subject.

## **C. Subject**

The Hello English usability and pronunciation errors spoken by students in the English Education Department of Antasari State Islamic University Banjarmasin who had previously taken a pronunciation course in 1<sup>st</sup> semester are the subjects of this study. However, the researchers only consisting of 5 students' to identify Hello English usability using 10 heuristic and 15 students' to analyzer pronunciation error. Pronunciation were chosen because pronunciation one of the skills in English, which can be reference for the students at school or university.

## **D. Data**

This study data were gathered through the use of a questionnaire and document. The subject are 5 student' to identify Hello English usability using 10 heuristic from the questionnaire and analyze of 15 students' who already took pronunciation subject in 1<sup>st</sup> semester to do the conversation

with virtual person in Hello English application and read the sentences correctly. From that, the researcher identified and analyzed pronunciation errors by using Hello English application.

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

The researcher gave the questionnaire by using google form containing 10 usability heuristics that are in accordance with the Hello English application to 5 students. Then for the second research questions, there was 15 students' did the conversation by using Hello English Application and recorded it with the topic about "Talk about Home". After that the students' sent the recordsr to the resesrcher then the researcher did screnshoot and listened the records and collected them as a document. Heareafter, the researcher identified the students' questionnaire and analyzed the pronunciation errors based on the students' records about the topic.

#### **F. Data Analysis**

The researcher applied, listened and identified a virtual person's speaking conversation within the application in order to collect the data.

##### **1. Identification**

The reseacher will identify Hello English usability using 10 heuristic evaluation from questionnaire. Following the researcher's identification of the questionnaire's data will interpretation the data using scala likret division of the range eligibility categories according

to (Arikunto, 2010) p. 200 are as follows: proceed with measuring these results using the scale in table 3.1

**Tabel. 3.1 percentage value category** (Arikunto, 2010)

Percentage	Assessment category
81 – 100 %	Very feasible
61 – 80 %	Feasible
41 – 60 %	Feasible enough
21 – 40 %	Not feasible
<20 %	Very unfeasible

## 2. Listening

The researcher listens to the recording from the students, then the researcher looking for which pronunciation errors to found out the presentage of sentences.

## 3. Analysis

The data obtained from listening to the recording will be analyzed using the Hello English application, and the following formula will be used to determine the percentage value (Bungin, 2005) below:

$$\rho = \frac{f}{n} \times 100\%$$

In which:

p : percentage of error sentences

f : frequency of students' error

n : total of error

100% : conctant value

Classifying the students' predicate into five categories (Sugiyono, 2013). The table that follows shows it.

**Tabel.4.12 students' Predicate Categories (Sugiyono, 2013)**

Score	Predicate	Description
<b>81 – 100%</b>	A	Excellent
<b>61 – 80%</b>	B	Good
<b>41 – 60%</b>	C	Average
<b>21 – 40%</b>	D	Poor
<b>0 – 20%</b>	E	Very poor

#### **4. Interpretation**

In The last step data are interpreted to draw some conclusion from the findings related to Hello English usability and students' pronunciation error using Hello English application.