

## CHAPTER 3

### RESEARCH METHOD

This section describes the research design, including the approach, participants, research focus, data sources, data collection procedures, and data evaluation.

#### 3.1 Research Design

This study used a qualitative research method, specifically a case study design. This design aims to achieve a comprehensive understanding of the issues that arise during the research process (according to Crowe et al., 2011). Additionally, applying case studies allows researchers to explore an issue in-depth and better understand the phenomenon being studied (as emphasized by Stake, 2010). This purpose includes two main elements: (1) the challenges students face when writing argumentative essays and (2) the potential solutions to address these challenges in the context of argumentative essay writing (Miles & Huberman, 2014, p. 253; Martyn, 2021).

#### 3.2 Subjects

This study focused on 35 students attending the 3rd grade of Junior High School at Daarul Ukhuwwah Boarding School in Malang, with their ages ranging from 15 to 16 years. When it came to collecting qualitative data related to types of errors in using articles, the whole subjects who produced the public speaking scripts were involved as the data source. In this case, the researcher used documentation technique which was facilitated with a documentation checklist as the instrument. During the process of listing article error, the researcher collaborates with a specialist native who experienced in this matter of problem. On the other hand, to collect the data about the causes of errors in using articles, purposive sampling was employed to select the appropriate sample as the source of the data. Furthermore, the researcher employed a snowball sampling technique to select subjects for the interview. The data collection process through interviews

continued until the necessary data or information about the causes of article errors had been thoroughly explored and the data had been saturated.

### **3.3 Data Collection Techniques and Instruments**

The research data related to the types of article errors were obtained from the students' written assignments on public speaking scripts through the Checklist of Articles Errors as the instrument, while the data about the causes of errors were gathered through the interview as the technique and interview guide as the instrument.

#### **3.3.1 Checklist of Article Errors**

The research data related to the types of article errors were obtained from the student's written assignments on public speaking scripts. Thus, the technique of the data collection was done through documentation, namely the identification and analysis of the student's written assignments on public speaking scripts. The instrument used to identify the errors was the checklist of article errors which can be in Table 3.1 below. The checklist helped the researcher identify the types of article errors which covered errors of omission, redundancy, and incorrect articles that the students made in writing public speaking scripts.

#### **3.3.2 Interview Guide**

Interviews involve face-to-face interaction in which the interviewer asks a series of questions to gather information, as noted by Miles (1992), Anggito and Setiawan (2018). The decision to use this technique was made to gain data about the causes of errors. More specifically, the researcher used an interview guide as the instrument. This instrument consisted of several major questions concerning the causes of errors (See Appendix 2, Table 3.2). The causes of errors can be found in students' capabilities and teaching methodologies which affects students' writing performance. It could be caused by students' interlanguage, overgeneralization, lack of awareness and lack of explicit instructions.

#### **3.3.3 Steps in Collecting Data**

To gather the data on the errors in articles, the following steps were undertaken:

1. Creating a checklist of article errors to identify the *article* errors;
2. Consulting the checklist of article errors to an expert;
3. Applying the checklist of the article errors;
4. Compiling the identified article errors.

For collecting the data through the interview, the process involved the following steps:

1. Developing an interview guide;
2. Consulting the interview guide to an expert;
3. Conducting the interviews with the subjects and taking notes based on their responses;
4. Transcribing the results of the interviews.

### **3.4 Data Analysis**

To Analysis the data, the following steps were taken.

1. Classifying the data that had been collected into each type of article errors;
2. Describing each type of article error based on the existing theories;
3. Drawing conclusions based on the results of the data analysis