

## CHAPTER III

### RESEARCH METHODOLOGY

This chapter explains the research method which is used in this study. It consist of research design, research type, role of the researcher, research site, source of the data, data collection procedure, data analysis, and method for verification of the research findings.

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

Qualitative research applied in the design of this study. Why to be applied qualitative research? Because, it investigated about a phenomenon Qualitative researchers seek to understand a phenomenon by focusing on the total picture rather than breaking it down into variables. The goal is a holistic picture and depth of understanding rather than a numeric analysis of data.<sup>1</sup>

According to Bogdan&Biklen in Syamsuddin and Damaianti, the design is not predetermined. However, the function of the design remains the same that is used to show the performance research study plans on how to move forward. The elements or naturalistic design as follows: Determining the focus of the research, the focus of research paradigm adjustment, the adjustment to the research paradigm selected substantive theory, planning data collection and planning procedures analysis.<sup>2</sup>

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<sup>1</sup>Donald Ary, Lucy Cheser Jacobs, and Chris Sorensen, *Introduction to Research in Education*,p.29

<sup>2</sup>Syamsuddin and Damaianti, *Metode Penelitian Pendidikan Bahasa*, Bandung: PT RemajaRosdakarya, 2011 p 88

This study used qualitative method to study comprehensively of the problem. this study has purpose to describe and analyze the noun phrase used in Rick Riordan's novel —*Percy Jackson and the Sea of Monster*. This study is carried out by formulating problem, collecting data, classifying data, and analyzing data.

### **B. Research Type**

The qualitative research is further divided into several types according to the subject and the problems that studied. Based on the subject and object of this study, it used qualitative research and her research type is content or document analysis.

Content or document analysis is a research method applied to written or visual materials for the purpose of identifying specified characteristics of the material. The material analyzed can be textbooks, newspaper, web pages, speeches, television programs, advertisement, musical compositions, or any host of other types of documents.<sup>3</sup>

The steps involved in a content analysis:

1. *Specifying the phenomenon to be investigated.* It determined that noun phrase as a phenomenon to be studied and include types of noun phrase and function of noun phrase.
2. *Selecting the media from which the observations are to be made.* The media will be observe and selecte by it are *Percy Jackson and the Sea of Monster* novel.

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<sup>3</sup> . Donald Ary, Lucy Cheser Jacobs, and Chris Sorensen, *Introduction to Research in Education*, Canada: Wadsworth, 2010, ed.8, p.457

3. *Deciding on the sampling plan to be used* in order to obtain a representative sample of the documents.

4. *Analyzing the data*, which may it finds the type of noun phrase and the function of noun phrase. It analyzed the data use Transformational Generative Grammar theory.

### **C. Role of the Researcher in the Study**

In qualitative studies, the human investigator is the primary instrument for the gathering and analyzing of data. Lincoln and Guba in Ary Donald and all introduced the concept of **human as instrument** to emphasize the unique role that qualitative researcher play in inquiry. Because qualitative research studies human experiences and situations, researchers need an instrument flexible enough to capture the complexity of the human experience, an instrument capable of adapting and responding to the environment.<sup>4</sup>

In this study, it defined instrument as a tool or a means that used to collect the data. So, it is the only instrument that analyzes the whole data used in this research based on the study's point of views which related to the theory applied.

### **D .Source of the Data**

The source of the data took from the Rick Riordan novel entitled *Percy Jackson and the sea of monster*. It chose this novel because this is one of the most bestseller novels according to New York Times. As the main source of the data it contains many noun phrase being interesting to be analyzed.

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<sup>4</sup> . Donald Ary, Lucy Cheser Jacobs, and Chris Sorensen, *Introduction to Research in Education*,p.424

### **E. Data Collection Procedure**

The collecting data is important to determine the result of the research. The analyses of noun phrase use some references and phrase structure rules. In this research the procedure used in the data collection are:

- 1) Reading and comprehending the novel;
- 2) Identifying the noun phrase used in the novel; It identified the Percy Jackson and the sea of monster novel to found the type of noun phrase and function of noun phrase.
- 4) Finding and classify the noun phrase used in the novel; It has classified to the type of noun phrase, the function and the meaning of noun phrase in Percy Jackson and the sea of monster novel.
- 5) Analyzing the noun phrase by using theory of transformational generative grammar; it analyzed the noun phrase used tree diagram to know word classes to build a noun phrase.

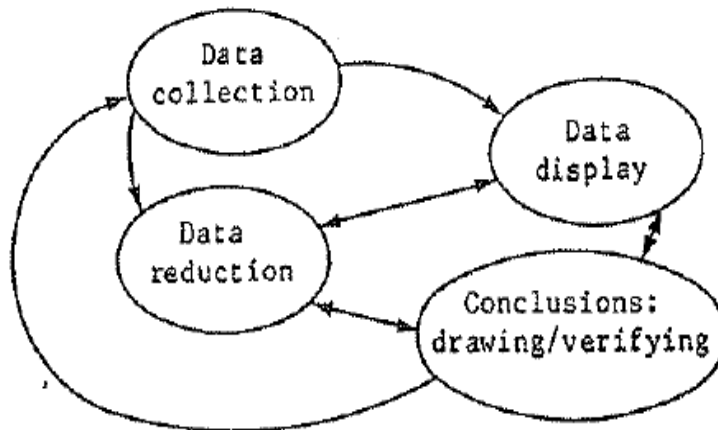
### **G. Data Analysis**

Data analysis is the most complex and mysterious phase of qualitative research. Data analysis in qualitative research is a time-consuming and difficult process because typically the researcher faces massive amounts of field notes, interview transcripts, audio recordings, video data, reflections, or information from documents, all of which must be examined and interpreted.<sup>5</sup>

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<sup>5</sup>*Ibid* p 481

Meanwhile, according to Miles and Huberman state that the analysis of the data in qualitative study uses some techniques as follows:<sup>6</sup>



#### Data analysis 1.1

##### a) Data Collection

Data collection means it collected the data that are very large and complex. In this step, it resumed the data, collect the data, and discard unimportant data. It collected the data from the *Percy Jackson & the sea of monster* novel. In this study, data reduction refers to the process of selecting the noun phrase. This first process is finding the noun phrase, presenting the type and function of slang noun phrase, showing the process of slang formation based on the theory and the last is presenting the meaning of it.

##### b) Data Reduction

Data reduction was the process of selecting, focusing, simplifying, abstracting, and transforming the data that appear in written-up field notes or

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<sup>6</sup>Miles Matthew and huberman michael. 1994. *Qualitative Data Analysis second edition*. London: sagepublication.p.10

transcriptions. It means this study selected and focus to noun phrase in the novel. It categorized all data from collecting data to some categories.

c) Data Display

Data display was an organized assembly of information that permits drawing and action taking. It displayed the data from the data reduction in for of simple explanation or narrative text, chart and other display that related to the study. This study identified the type and the function of noun phrase used in the novel.

d) Conclusion

Conclusion is where it seeks conclusion as answering for formulation of the problem. In this step the conclusion taken by rechecks the data reduction and data display. This study classified the type and functions of noun phrase used in the novel, then analyze by using theory of transformational generative grammar and determine meaning of noun phrase.

## **H. Method for Verification of the Research Findings**

The verification of the study is to acknowledge of the qualitative data which is acceptable in the public showing.

According to Lincoln and Guba, in Kuntjojo the level of confidence in the research result can be achieved, if the researcher holds on four principles of criteria, namely: credibility, dependability, conformability, and transferability.<sup>7</sup>

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<sup>7</sup> . Kuntjojo, *Metodologi Penelitian*, Malang: t.tp., 2009, p.54-55

1. Credibility

Credibility refers to whether the truth is qualitative can be trusted, the meaning can reveal the reality. To fulfill these criteria, it needs to conduct triangulations, member check, interview or observation continuously until it reaches the level of redundancy. Credibility in qualitative research concerns the truthfulness of the inquiry's findings.<sup>8</sup>

2. Dependability

Principle dependability refers to whether the result of the research has reliability. This principle can be fulfilled by protecting the consistency of data collection techniques, the use of concept, and make interpretation of the phenomenon.

3. Conformability

Conformability principle refers to the critical need effort to confirm that the findings have been obtained be credible.

4. Transferability

Transferability principle implies whether this research can be organized or applied to other situations.

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<sup>8</sup>Donald Ary, *Introduction to Research in Education Eight Edition*, Canada: Wadsworth, 2006, p. 500.