

## CHAPTER II

### LITERATURE REVIEW

Every part of the research includes a literature review. In this chapter, the researcher discusses the definition of discovery learning, procedures of discovery learning, the advantages and the disadvantages of discovery learning, reading ability, previously relevant study, and conceptual framework.

#### **A. Theoretical Description**

##### 1. Discovery Learning

There are some definitions of discovery learning in teaching and learning process. Discovery learning is a method that suitable to reach an important purposes in teaching and learning process (Hajar, 2016:19-20). It means, discovery learning is a one of some methods that can help the students to increase their skills.

Illahi (2012: 29) stated that:

“Discovery is a learning process which emphasises in students mental and students intellectual in solving many problems that they face so that it will discover a concept or a generalization that can be applied in the field.”

That statement means, discovery learning is method in learning process and it can be used to solve the problems when the study is created in teaching learning process. The concepts of discovery learning can be useful for the students in the future.

Based on the Bruner (2007) retrieved from <https://masalahrom.my.id/jurnal/konsep-model-pembelajaran-discoveri-learning-serta-tahapannya/> stated that discovery learning is a strategy in teaching and learning process when the students did not present the material in the last form, but the students is required to organize it by themselves.

Based on Hosnan (in Endang Titik Lestari, 2020:7) stated that discovery learning is a model to develop an active way of learning by looking for by theirself, investigating by theirself, then the results obtained will be loyal and long-lasting in memory.

Discovery learning is discovery-based learning (inquiry), constructivist, and theory-based learning. In this learning model, students have learning scenarios to solve real problems and encourage them to solve their problems. In solving their problem, students use their previous experience to solve the problems because it is a constructivist. The activities they explore ask questions while experimenting with trial and error (Ellyza Sri Widyastuti: 2015).

That statement means discovery learning can help the students to solve their problems. This method can also increase the students' creativity and make them more active in the class. Based on their previous experience analysing the teaching and learning process problems, the students are problem solvers.

## 2. Procedures of Discovery Learning

Based on Syah (2004: 244) stated that some procedures of implementation discovery learning in the teaching and learning process are generally as follows:

### a. Stimulation

Stimulation is an activity to provide the students with a learning interaction. Asking questions is one of the ways that done to create the stimulation. Here, the questioning technique is done by giving some questions to the students that can help them explore their critical thinking. The students will have a desire to do their research. In stimulation, the students must think about the ideas that should be finished.

### b. Problem Statement

In the problem statement, the students are given some problems that should be finished by themselves. The student was also allowed to do an analysing of the problems. This technique is useful to build the students' thinking to be problem solvers. The students will identify the problems and find the most relevant solutions in the problem statement.

### c. Data Collection

This stage is given for the students to collect some informations that are relevant information, observe the object, read the literature, interview the resource person, and so on. Data collection is created to help the students answer the question. The consequence of this stage is that the

students are required to learn more active in finding the information that relates to their problems implicitly.

d. Data Processing

Data will be processed after collecting the data, such as information, interview, observation, etc. From this stage, the students will learn about alternative problem-solving.

e. Verification

Verification is created to help the learning process run well and creative. The teacher does this to allow the students to find a new concept, theory, or understanding through the example of daily activity.

f. Generalization

The students are asked to make an appropriate conclusion to the lesson based on the verification result. On the other hand, the students were also asked to master the principles of someone's experience.

3. The Advantages and Disadvantages of Discovery Learning

A. The Advantages of Discovery Learning

According to Mendikbud 2013, discovery learning method has several advantages there are:

- a. To help the students in increasing their reading ability.
- b. This method can help the students to be more active in the class. Here, the teacher can be as a students also.
- c. The discovery learning method can develop the students' individual talents and skills.

- d. Encouraging the students to think critically
- e. The knowledge gained from this method is personality and powerful because it can help the students to strengthen their understanding. etc

#### B. The Disadvantages of Discovery Learning

Based on the Mendikbud 2013, there are some disadvantages of discovery learning:

- a. This method raises the assumption that the students are ready to think critically. It makes the students with low of intelligence have a problem in understanding the materials.
- b. This method is not efficient for teaching so many students because it will take a long time to help the students to be a problem solvers.
- c. Teaching using this method is suitable for developing the students' understanding. etc.

#### 4. Reading Ability

Reading is one of four important skills to learn by the students especially the students of University. The students cannot get the information and knowledge if they do not like to reading books, newspaper, or a text. Reading is important because, through reading process, the students not only focus on understanding the meaning of the text but also they need to comprehend some aspects there are: identifying the topic of the text, controlling idea, main idea, generic structure, language feature, vocabulary, and grammatical structure also.

Reading is one of the basic skills of language learning. Reading is the most challenging in education system. Based on Patel and Jain (2008: 113-114) stated:

“Reading is an important activity in life with which one can update his/her knowledge. Reading skill is an important tool for academic success. Reading is the most important activity in any language class. Reading is not only a source of information and a pleasurable activity but also as a means of consolidating and extending one’s knowledge of the language. Reading is very necessary to widen the mind, again and understanding of the foreign culture.”

It means, teaching reading is aimed to help the students gain the knowledge and various information that is useful for their lives. Teaching reading also makes the students think logically about anything. Through reading, the students can explore their talents and their potential, and it can train the concentration and increase their achievement in the school. Through reading activities, the students can simultaneously study the other subjects in their school and the students can apply their knowledge in daily activities or in real life.

According to (Fernandita Gusweni Jayanti and Anggun Citra Sari Dewi: 2018) stated that reading ability is crucial in today’s world. The ability to read is an activity to develop the quality of human life. Everyone needs to improve their reading ability to communicate, educational process, add some knowledge, and building a career.

It means, reading ability has an important role in English learning process. To be a good reader, someone can have a target in learning

English. Can be concluded that reading ability need to be improved by the students because it is good way to develop the students' speech.

Reading ability is a process to increase critical thinking of students. Reading also develops students' minds to know many new words that can be used later. Reading is a complex activity because reading is about perception and thought.

#### **B. Previously Relevance Study**

There were some relevant studies that relate to the title of this study. The first is written by Nadya Zalvianin and Yetty Zainil (2021) with their research entitled "*The Implementation of Discovery Learning for Reading skill in EFL Classroom at SMPN 8 Padang*". They have explained in this study that the teacher implemented seven steps from preparation procedures of discovery learning. The steps are determining learning objectives, identifying students' characteristics, choosing the subject matter, deciding the topics, developing learning materials, organizing learning topics, and assessing student learning process and outcomes. This study used descriptive qualitative research and showed that the implementation of discovery learning in SMPN 8 Padang is good enough.

The second previous study is written by Daniel Tampubolon (2017) with his study entitled "*Students' Perception on the Discovery Learning Strategy on Learning Reading Comprehension at the English Teaching Study Program, Christian University of Indonesia*". In his study,

he observes the discovery learning strategy for learning reading comprehension. In this study, the researcher took 81 students as the respondents. Based on the result, the respondents' perception that agreed and strongly agreed about the benefits of discovery learning method in reading comprehension is high. Some of the respondents disagreed and strongly disagreed with the statement that discovery learning is an interesting strategy to develop their reading comprehension. It can be concluded that most of the students as the participants enjoy and believe that discovery learning method is useful for them in increasing their reading comprehension.

The third previous study is written by Bintang Ahad Simatupang (2020) with the study entitled "*Students' Perception of the Discovery Learning Strategy in Learning Reading Comprehension at Widya Manggala Senior High School*". In his study, he observe the perception of the implementation of discovery learning method. The result showed that the majority of the participants interested to use discovery learning method in teaching and learning process. The participants believed that this method can help them to develop their reading comprehension. The students are also realized that this method teaching and learning process runs actively and seriously. The students as the participants wanted that the teachers do not spend much time to explain the materials. They are also hoped this method can be implemented in their school at all of classroom there is Widya Manggala Senior High School. In conclusion,



the students and the teachers need to use this method at their school because it has so many benefits, interesting, help them to increase their reading comprehension, and also help the students to be active in the class and make teaching and learning run effectively.

### **C. Conceptual Framework**

Based on the theory, above the researcher will observe the implementation of discovery learning method on the students' reading ability. The researcher will use descriptive qualitative that consists observation, interview, and documentation. The research will explain about the implementation and the benefits of discovery learning especially in reading ability.