

CHAPTER I

INTRODUCTION

1.1 Background

Textbooks have a crucial role in the teaching and learning process in many subjects. Although technology has a great place in our life and in education, textbooks still protect their place because of their availability and ease of use. Textbooks greatly influence how knowledge is delivered and communicated. Around the world including in Indonesia, teachers often use textbooks as tool of their principal curriculum and source of lessons. Textbooks are useful and easy to find resources so students and teachers can use them according to what is needed (Mahmood, 2011).

One of the factors determining the success of students in using textbooks is the quality of the textbook. As we know, it has been widely reported in the mass media about cases of textbooks that tarnished the world of education. The outbreak of the case suggests that the study of textbooks is very important to do.

In measuring textbooks, it must pay attention to the appropriateness of the content with the curriculum and the truth of the concept. According to the BSNP quality textbooks must fulfill four elements of feasibility, namely the feasibility of content, the feasibility of presentation, the feasibility of language, and the feasibility of graphics. One element that must be considered, namely the feasibility of content. The content concerns the material contained in the teaching book so that it is natural that the element of content feasibility is the main element to determine the quality of the book.

However, the researchers found that there were some shortcomings in some student textbooks, such as in the journal of Agustina, *et al.* (2016), which focused on misconceptions found in student textbooks. From the analysis it can be concluded that there are misconceptions in high school biology textbooks in Binjai. Especially in metabolic material where misconceptions were identified at 26,09%.

One of the biology textbooks used is a textbook by Maniam and Yusa from the publisher Grafindo Media Pratama. This book is compiled based on the 2013 curriculum (revised edition 2016). This book consists of 8 chapters, one of which is metabolism. This book has accommodated these competencies and the basic competencies of the 2013 curriculum. The other books used by several schools are textbooks by Nurhayati and Wijayanti from publisher Yrama Widya. This book consists of 10 chapters, one of which is metabolism.

One of the material contained in the book is metabolism. Metabolism is one of the difficult topics in biology, the topic supported by Muspikawijaya, *et al.* (2017). From the analysis it can be concluded that the percentage of mastery of students in material metabolism is below 70%. Based on Cimer (2011): Most difficulties learning: Matter cycles, endocrine system and hormones, aerobic respiration, cell division, and genes and chromosomes.

Based on teacher observation at SMA Negeri 1 Tebing Tinggi, it can be concluded that students have difficulty in understanding the concept of metabolism. One reason is that the explanation contained in the teaching book is less interesting and difficult to understand.

From the problems described above, researchers want to know how the quality of good textbooks and compare biology textbook by Maniam and Yusa from the publisher Grafindo Media Pratama and biology textbook by Nurhayati and Wijayanti from publisher Yrama Widya on metabolism Topic in class XII.

1.2 Problem Identification

Based on the background description above, researcher identified the problem as follows:

1. Books are less clear so students don't understand.
2. Metabolism topic is difficult to learn.
3. Textbooks research is limited.

1.3 Problem Scope

The limitation of this research are:

1. Quality of the book based on content feasibility.
2. Quality of books based on presentation.
3. The material in this study is rewarded on the topic of metabolism.
4. In this study using biology textbook published by Grafindo Media Pratama and biology textbook published by Yrama Widya.
5. This research is aim at teachers in SMA 1 Tebing Tinggi as subject.

1.4 Research Question

Based on background and problem scooping, the problem formulation are:

1. How is the quality of biology textbook published by Grafindo Media Pratama on metabolism topic based on the perception of biology teachers in SMA 1 Tebing Tinggi in content feasibility aspect and presentation aspect?
2. How is the quality of biology textbook by Nunung Nurhayati from publisher Yrama Widya on metabolism topic based on the perception of biology's teachers in SMA 1 Tebing Tinggi in content feasibility aspect and presentation aspect?
3. What is the difference of the quality of textbooks on metabolism topic in biology textbook from publisher Grafindo Media Pratama and biology textbook from the publisher Yrama Widya based on the perception of biology teachers in SMA 1 Tebing Tinggi in content feasibility aspect and presentation aspect?

1.5 Research Objectives

The purpose of this study was to determine the quality of biology textbook from publisher Yrama Widya and biology textbook from publisher Grafindo Media Pratama based on the perceptions of biology's teachers of SMA Negeri 1 Tebing Tinggi on metabolism topic.

1.6 Research Significance

The significance of this research are:

1. Teachers can use the information from this thesis to select the good textbook for using in learning appropriate levels of student's knowledge.
2. Publisher can use this information to revise the textbooks.
3. Be a reference for teacher, government, and publisher to do correction for textbook especially to Indonesia.



THE
Character Building
UNIVERSITY