

**DESIGNING CLIMATE CHANGE BASED BILINGUAL PICTURE
BOOK FOR YOUNG LEARNERS IN SD IT HARAPAN MULIA
PALEMBANG**

A THESIS

by

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**FACULTY OF TEACHER TRAINING AND EDUCATION
SRIWIJAYA UNIVERSITY**

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Certify the data thesis entitled “Designing Climate Change based Bilingual Picture Book for Young Learners in SD IT Harapan Mulia Palembang” is my own work and I did not any plagiarism or inappropriate quotation against the ethic and rules commended by the Ministry of Education Republic Indonesia Number 17, 2010 regarding plagiarism in higher education. Therefore, I deserve to face the court if I am found to have plagiarized this work.

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DEDICATION

This thesis is sincerely dedicated to :

Love of my life, my parents, Joni Iskandar (Dad) & Hasnalinda (Mom) who are always be there for me through thick and thin, ups and downs.

MOTTOS

قَالَ رَبُّنَا إِنِّي مَعَكُمْ وَإِنِّي سَمِعْتُ وَرَأَيْتُ
مَا أُعْرَفُ

—He (Allah) said, —Don't worry either of you! Indeed, I am with you both. I heard and saw.‖

(Q.S Thaha: 4)

-

—If you spend your time chasing butterflies, they will fly away. But if you spend your time making a beautiful garden, the butterflies will come to you. And if they do not, you will still have a beautiful garden.‖

(Unknown)

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Palembang, 1 July 2024

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Designing Climate Change based Bilingual Picture Book for Young Learners in SD IT Harapan Mulia Palembang

ABSTRACT

This thesis explores the development of a bilingual picture book focused on climate change for young learners at SD IT Harapan Mulia Palembang. Recognizing climate change as a critical global issue, the study aims to introduce this concept to children through engaging and educational media. The bilingual picture book is designed to cater to the needs of sixth-grade students, enhancing their reading skills and environmental awareness simultaneously. The book integrates themes from the Independent Curriculum, specifically focusing on environmental damage and local culture, to align with the Pancasila Student Profile goals. The research examines the validity, practicality, and potential impact of the bilingual picture book as a teaching tool. Through expert validation, one-on-one evaluations, and field tests, the study assesses the effectiveness of the picture book in improving students' language skills and their understanding of climate change. The findings suggest that bilingual picture books can significantly contribute to both language learning and environmental education in elementary schools.

Keywords : bilingual picture book, climate change, young learners, ELT.

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CHAPTER I

INTRODUCTION

This chapter described the background, the problem of the study, the objectives of the study, and the significance of the study.

1.1 Background of the Study

Climate change is a global issue that is intensively emerging and being studied in various state policies. This is because climate change is considered a major threat to ecosystems, biodiversity and health. Climate change occurs when there is a change in normal weather patterns around the world. This is due to increased emissions of greenhouse gasses into the atmosphere, such as carbon dioxide and methane, resulting from human activities such as burning fossil fuels and deforestation. According to the National Geographic website, climate change can lead to increasing global temperatures, rising sea levels, and increasing extreme weather events such as storms and droughts (National Geographic, 2019). According to the United Nations Framework Convention on Climate Change (UNFCCC) climate change is caused by human activities directly or indirectly that change the composition of the global atmosphere and natural climate variability observed over comparable time periods . This is in contrast to the Intergovernmental Panel on Climate Change (IPCC) regarding climate change where conditions can be identified (for example: using statistical tests) by changes in the average or variability of its characteristics that persist over a long period of time, usually tens of years or more. Even so, it must be underlined that climate change is a scourge for every region in the world.

Climate change needs to be socialized to the environment of children from an early age. This is directly supported by the Ministry of Education, Culture, Research and Technology, which has added material on climate change and its impacts to the Pancasila Student Profile in the Independent Curriculum. To bridge this goal to be achieved immediately, it is necessary to have teaching media that suit the needs and characteristics of students. One of the teaching media that still occupies the top position today is the bilingual picture books. Picture book is a type of book that contains fiction or non-fiction stories presented in narrative form. Picture books can contain short stories, novels, autobiographies, biographies, children's stories, and so on. Picture books are usually written in prose using creative language to make stories more interesting and

easy to understand. Picture books can be used as a source of entertainment, self-development, or learning, depending on the type of story presented and the purpose of the reader reading the book. In this study, picture books will be packaged in two languages, namely English and Indonesian. This is applied in order to make it easier for children to understand the contents of the story, increase understanding of grammar, and expand vocabulary. Picture books are not only in the form of text, but are also accompanied by related pictures. In other words, children can see situations visually and develop their imagination. In line with this, story books are a type of book that combines the use of text and images to present aesthetic value. Based on various studies, not many bilingual picture books-based climate change have been published in Indonesia. Even if there are, the number is still very limited and not as many as other topics. In addition, most books are classified as non-fiction which are intended for teenagers and adults. An example is the book —Mega Mendung, Aku, dan Perubahan by Lala Bohang and Fitri Nganthi Utami or —The Earth and I by Frank Asch and Devin Asch. Another example of nonfiction is the book "Selamat Tinggal Shanghai" by Muchtar Lubis. Because of that, further efforts are needed to introduce and increase public awareness, especially children, through picture books media.

Therefore, this current study would like to give further research about designing bilingual picture books-based climate change to young learners. The product was bilingual picture books-based climate change to improve their critical thinking skills to upgrade the 21st-century goal based on Partnership for 21st Century Skills. The focus of climate change in this research was about environment damage, disaster, earth, temperature, climate. To design bilingual picture books-based climate change for sixth grade of SD IT Harapan Mulia Palembang as the designed product was the objective of this study. The designed product was supporting reading materials to the students. This book is updated, different from previous research studies. This book was created based on an analysis of children's needs in the Independent Curriculum. This curriculum is related to the P5 (Strengthening Pancasila Student Profile Project) program designed by the Ministry of Education and Culture as part of the Independent Curriculum which aims to encourage the achievement of the Pancasila Student Profile. This book included two themes in P5, namely *Gaya Hidup Berkelanjutan* which focuses on environmental damage (climate change) and *Kearifan Lokal* (regional culture in South Sumatra). It is hoped that students will better understand climate change and how to overcome it. Apart from that, it is hoped that students will be more familiar with and appreciate their long-standing culture and improve their

reading skill. Last, to determine the designed reading materials in validity, practicality, and potential effect was the research question in the study.

1.2 Problems of the Study

Based on the background above, the problems are formulated as follows:

1. Were the designed climate change based bilingual picture book for young learners in SD IT Harapan Mulia Palembang valid?
2. Were the designed climate change based bilingual picture book for young learners in SD IT Harapan Mulia Palembang practical?
3. Were the designed climate change based bilingual picture book for young learners in SD IT Harapan Mulia Palembang have potential effect?

1.3 The Objectives of Study

In relation to the problem statement mentioned previously, the objective of the research is to describe:

1. To determine the validity of the designed climate change based bilingual picture books for young learners in SD IT Harapan Mulia Palembang.
2. To find out the practicality of the designed climate change based bilingual picture books for young learners in SD IT Harapan Mulia Palembang.
3. To find out the potential effect of the designed climate change based bilingual picture books for young learners in SD IT Harapan Mulia Palembang.

1.4 The Significance of The Study

Bilingual picture book addressing climate change make a significant contribution to the field of English Language Teaching (ELT) in elementary school education. It provides engaging and accessible resources that enhance both language learning and environmental literacy. These books introduced essential climate change vocabulary in two languages and foster cross-cultural understanding and critical thinking about environmental issues among young learners. Through the integration of visual elements and bilingual text, they support language acquisition and comprehension, catering to the diverse linguistic backgrounds found in classrooms. Additionally, these materials promote collaborative learning and discussions on global topics, thereby

promoting a comprehensive approach to language development that encompasses environmental awareness and advocacy among elementary learners.

For English teachers, bilingual picture books-based climate change for young learners designed can be used as supplementary materials, especially in teaching English associated with texts. Additionally, the materials developed can enhance the teachers' awareness about the need of bilingual picture books-based climate change in English materials.

For the students, it is expected that bilingual picture books-based climate change can increase their awareness of natural ecosystems and maintain their sustainability so as to create a safe and comfortable life. Furthermore, the materials were designed to support students learning about climate change through bilingual picturebooks.

For teaching material developers, especially Biology and Pendidikan Lingkungan Hidup (PLH), this research could be their supporting media or references in designing materials to acquire thought.

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