

**EXPLORING ENGLISH EDUCATION STUDENTS' AWARENESS OF
CLIMATE CHANGE AND CLIMATE CHANGE EDUCATION
THROUGH MULTIMODAL CREATIVE WRITING**

A THESIS

by

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FACULTY OF TEACHER TRAINING AND EDUCATION

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I, undersigned,

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Certify that thesis entitled "Exploring English Education Students' Awareness of Climate Change and Climate Change Education Through Multimodal Creative Writing" is my own work and did not have any plagiarism or inappropriate quotation against the ethics and rules commended by the Ministry of Education of Republic Indonesia Number 17, 2010 regarding plagiarism in higher education. Therefore, deserve to face court if I am found to have plagiarized this work.

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DEDICATION

This thesis is dedicated to:

My parents, my family, and those closest to me who have always supported me in my study and helped me in the learning process, thank you for always supporting, trusting, and encouraging me to move forward and be confident. Thank you for the love and care you gave me. I love you with all my heart.

MOTTOS

Big dream, Big hope, Big spirit, Big action, Big success

Everything is big, starting with small things -unknown

Indeed, Allah will not change the state of a people, before the people themselves change what is in them."

(QS. Ar-Ra'd [13]: 11)

Don't do things to others that we don't want others to do to us

Talk less, do more - unknown

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This thesis may be challenging to complete without help and intervention from people around me. Therefore, I am grateful and appreciative to those who have helped and supported me in this process.

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The writer,

Mariska Pratiwi

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ABSTRACT

Climate change which has hit almost all regions of the world has also had a very detrimental impact on human life, so mitigation and adaptation measures are needed for the moral and material losses it causes. Therefore, there is a need for climate change education. One way climate change education is to use the creation of picture books as multimodal creative writing in the learning of English language education students. This research aims to find out how English education students perspective on climate change and climate change education. This study used a qualitative method using interviews and artifacts as a data collection tool. This study used a sample of 18 English language education students who were in creative writing classes, Sriwijaya University. The results show that the knowledge and awareness of English students is already very good about climate change and climate change education. Other results show that the activity of making picture books with multimodal creative writing can increase students' knowledge and awareness about climate change and climate change education.

Keywords: climate change, education, creative writing, multimodal

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CHAPTER I

INTRODUCTION

This chapter presents (1) the background of the study, (2) the problems of the study, (3) the objectives of the study, and (4) the significance of the study.

1.1 Background of Study

Global climate change is one of the critical environmental issues of the world today, meaning it is not only talked about in Indonesia but also in other countries around the world. This is due to global climate change causing negative impacts on various sectors of life. Some of the effects felt due to climate change include an increase in average temperature, an increase in rainfall intensity, and a shift in the rainy season (Ningsih, 2019). Climate change has had a significant impact on many countries. The effects of climate change are the increasing intensity of extreme weather events in an area, changes in rain patterns, and increases in temperature and sea level.

The impacts of climate change can affect circumstances on land and the coast or sea. Climate change occurring on land can affect the growth and production of crops. The same can happen on the coast as well as on the sea. Climate change on the coast or sea can affect the life of organisms in the region (Isdianto & Luthfi, 2019). Climate change is an important issue that seriously threatens all humans on earth. As is known, global warming which is increasing day by day has caused climate change which has a destructive impact on all aspects of human life. One thing is sure, this problem is not a problem that can be solved by itself without efforts to take real actions. Moreover, the world's global temperature has been getting higher and higher and continues to increase from time to time. The following is a projection that illustrates the rise in global temperatures (Luthfia, 2019).

Climate change which has hit almost all regions of the world has also had a very detrimental impact on human life, so mitigation and adaptation measures are needed for the moral and material losses it causes. The

population on earth is experiencing severe global problems in various aspects, such as climate change, global warming caused by human actions, reduced natural resources, disturbances in the ozone layer and loss of biodiversity (Haryanti et al., 2022). The Global Risk Report 2020 states that the most dominant cause of global problems comes from the environment caused by climate change (Weltwirtschaftsforum, 2020)

Climate change is a change in normal weather patterns in all worlds over a long period, generally decades or more (Riani, 2021). According to (Thornes, 2002) climate change refers to the average variation in the climatic state of a place or statistically significant variability over a long period of time (generally decades or more). Climate Change is the change in temperature and weather patterns in the long term in a particular area (Sippel et al., 2020)

Some climate temperature data has been obtained in Indonesia through BMKG (Meteorology, Climatology, and Geophysics Agency) observation data from 1981 to 2018. The climate temperature rises by 0.03 °C every year where 30 years the temperature increases at the site will reach 0.9 °C (BMKG, 2021). Climate change will impact rising temperatures that will make climatic conditions extreme. Extreme weather causes natural disasters such as floods and droughts in some parts of Indonesia. Based on data due to natural disasters in Indonesia from 1900 – 2016, floods are natural disasters that occur very often in several years (Pinontoan et al., 2022). This negative impact has a sustainable impact on people's life patterns in meeting their needs.

Climate change will affect human health directly or indirectly. The most direct effect on human health is the extreme effects of cold and extreme heat. High temperature accompanied by low humidity causes the body to dehydrate easily. Extreme hot temperatures and extreme colds lead to high morbidity and mortality. If the temperature pans heat stroke occurs while at cold temperatures, there is a frozen bite while indirect effects are related to infectious diseases, such as diarrhoea caused by the transmission of contaminated food and water. Drought reduces water supply and hygiene which can cause health problems (Ernyasih et al., 2018).

Climate change is currently a global challenge, This is because climate variations have a significant effect on people in all parts of the world, especially the poor, most of whom are women. According to Andriyani et al., (2020), if the natural disaster crisis of climate change is not controlled, then by 2030 climate variability will threaten food security and water needs because at that time, the human population has caused an increase in food needs 50% greater than today, 45% more energy needed and 30% more clean water required. It is estimated that the number of malnourished people will increase by more than 20 million people, 884 million people do not have access to clean water and 2.6 billion people do not have basic sanitation. The effort to reduce climate change is to increase self-awareness in every human being about the impacts of climate change. Self-awareness can be increased by providing the public with information about climate change, such as impacts and prevention, to reduce community behaviour that can cause climate change (Ekayanti & Hariyono, 2020).

The problem of climate change, its causes and prevention can be related to learning as an effort to increase public awareness of the phenomenon of climate change actions to internalize climate change issues are important in the field of education (Hariyono, 2021). Through learning, it will shape community preparedness in facing the impacts of climate change. This problem needs to be resolved by learning in schools and universities. One of the steps that can be taken to reduce the impact of climate change is spreading awareness and strengthening climate change literacy. Even education about this is one of the very important agendas to do. One of the climate change education that can be done is to provide climate change education to adolescents.

In the developmental phase of human life, adolescence is a transition period or transition from children to adults. Teenagers can no longer be referred to as children but they also cannot be said to be adults (Luthfia, 2019). Despite this, adolescents' affective, cognitive and psychomotor abilities are already developing rapidly. Therefore, adolescents are expected to be able

to actively spread awareness to the surrounding environment and take various concrete steps needed to reduce the impact of climate change in a sustainable manner. One of them can be done using learning in lectures such as multimodal creative writing.

Multimodal is a term used to refer to the way people communicate using different modes at the same time (Kress & van Leeuwen, 1996), which is defined as the use of several semiotic modes in product design, or semiotic events simultaneously, and in some way these modes are combined to reinforce, complement, or be in a particular order (Kress and van Leeuwen, 2001).

Writing is a linguistic activity that has an essential role in science in delivering an understanding or ideas, as expressed by Busri et al., (2021) "writing is a process and activity of giving birth to ideas, thoughts, feelings, to others or themselves through the medium of writing". In harmony with the phrase (Olson, 2020) reveals that "written language is seen as a way to reflect on the part of the mind". Based on these quotes, one can enrich the experience, convey ideas, and create work by writing.

In addition, with written language, one can influence the mindset of others. One can instil one's idealism through writing by influencing the reader using his writing style. The relative written language will affect the reader's way of thinking. Written language allows one to express events that occur, both real and imaginary in the present, past and future. Ways of writing there are various ways or types. One of them is creative writing. In making writings or books we must do the writing we make interesting. Moreover, the writing we make is writing that is to educate. This can make the reader become bored. Therefore, creative writing can be chosen as a way to provide education. In making creative writing, many obstacles make this writing difficult to understand the meaning and meaning for readers and the existence of dialogue that makes the reader feel bored (Laksana, 2020).

By using and developing multimodal creative writing, English language education students are expected to increase their knowledge and awareness

about climate change and how climate change education is very important and influential.

1.2 Problem of Study

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

1. What are the students' perspectives on climate change and climate change education?
2. What aspects of climate change can be seen in the multimodal creative writing made by English education students?

1.3 The Objective of Study

1. To describe the students' perspectives on climate change and climate change education
2. To describe the aspects of climate change can be seen in the multimodal creative writing made by English education students

1.4 Significances of Study

This research is expected to provide information and knowledge for the researcher and others about climate change and climate change education, especially by using multimodal creative writing.

1. Student

This research is dedicated to students in order to be more aware of and more concerned about the environment, especially in climate change which is increasingly threatening the safety of the world. So that students can know how important education about climate change is. Because climate change is very dangerous if we leave it alone and can have a devastating effect on our lives.

2. Other researcher or teacher

It is hoped that with multimodal creative writing can make additional methods of learning creative writing by teachers. Then teachers, especially on campus, can add this theme to creative writing learning to increase students' knowledge about the environment and climate change. Not only in English teachers who teach creative writing using this theme but it is also used by biology or science teachers for teaching materials for learning about the environment and also climate change.

3. Parent and community

It is anticipated to assist parents and the community in being aware of their surroundings as role models. In addition, it encourages them to keep the environment by making interesting and enjoyable planning for children. One strategy is to set up a table of mutual cooperation known as "gotong royong" and give people gifts to show their appreciation. And parents can teach their children about climate change and how to prevent climate change.

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