GREENHOUSE GASES AWARENESS AMONG LOCAL COMMUNITY IN SIMPANG EMPAT VILLAGE, MUALLIM PERAK


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Abstract. The increase of greenhouse gases in the atmosphere have been affected the Earth’s climate and contributed to the global warming issues which are the cooperation and responsibility of many stakeholders such as local communities play an important role to address the issue. The study aims to examine the local community awareness against greenhouse gases in the atmosphere. Simpang Empat Village, Muallim Perak has been chosen as a study area. The objectives of the study are to identify the relationship between the general knowledge of greenhouse gases with the educations level among the local community regarding the awareness of greenhouse gases in Simpang Empat Village Muallim, Perak. The result shows that the greenhouse gas awareness has been influenced by their own experiences and the rise of local heat temperature where they live in. The study also found the awareness of the local community influenced by the level of respondent’s education particularly on disease outbreak and source of pollution. Therefore, the study shows the education aspect plays an important role to increase awareness among the local community in the rural area.

Keywords: global warming, carbon emission, climate change, social awareness

Introduction

The climate change is a global challenge that does not respect the national border which the greenhouse gas emissions can affect people everywhere (United Nation, 2018a). This is the reason why climate change is a global issue in which the attributes of greenhouse gases are not directly from a specific location of emission but it causes by the harmful emission from around the world (Cullet, 2008). Global warming has become the center of international environmental law and policy at least since the early 1990s and become one of the critical environmental issues today that attract widespread media attention (Drake, 2014).

This is due to the greenhouse gas emission is from human activities that continuously rise through time (United Nation, 2018a). Since after 70 years of the second war end the global economy has grown rapidly more than tenfold which fossil fuel such as oil, gas, and coal as main energy for the purpose of economic growth. As a result, the concentration of greenhouse gases particularly on carbon dioxide (CO2) has risen more than 40% before the revolution industrial began (Dobbins et al., 2015). According to Drake (2014), the Earth’s atmosphere temperature it has estimated increased at the range of 1.50 C to 40 C which such change can lead to a significant impact on climate change which could be led to the changes of climate weather patterns, rising sea level or