

ABSTRACT

Energy is the factors used in carrying out economic activities, both related to production activities and in meeting consumption needs. The increase in economic growth and population in Indonesia is followed by an increase in carbon dioxide emissions which is one of the problems in developing countries. In the Environmental Kuznet Curve Theory written by Simon Kuznets, economic growth with increasing carbon dioxide emissions in Indonesia has a relationship due to the high economic activity in Indonesia which has an impact on increasing the use of energy resources, and most of it is still dominated by fossil fuels.

The purpose of this research to analyze the effect of economic growth, population, and fuel subsidies on fuel oil consumption in Indonesia during the period 1978 to 2021. The method used in this research is Multiple Linear Regression.

The results of the Multiple Linear Regression analysis in this study show that economic growth has no effect and not significant on fuel consumption. While population and fuel subsidies have a significant and significant effect on the fuel oil consumption variable.

Keywords: *Population, GDP, Subsidies, Fuel Oil Consumption, Multiple Linear Regression*