

ABSTRAK

This research is to analyze the influence of industrialization, economic growth, and population growth on carbon dioxide emissions on the island of Java from 2004 to 2023. This research is used to understand how these variables influence carbon dioxide emissions. This research uses quantitative methods with panel data regression analysis tools from six provinces on the island of Java for the period 2004-2023. This research uses the fixed effect model, and results are found that show that there is a strong influence between industrialization, economic growth, and population growth on carbon dioxide emissions. It is proven that there is a positive and significant influence on industrialization, economic growth, and population growth on increasing carbon dioxide emissions on the island of Java.

Keywords: Carbon emissions, industrialization, economic growth, population growth