

ABSTRACT

This study aims to analyze the effect of industrial growth, renewable energy consumption, electricity access, coal consumption on CO2 emissions. In this study, the time period used was from 2005 to 2019. The subjects of this study used 5 Asian Emerging Countries, namely Indonesia, Malaysia, the Philippines, China, India. Penelitian ini menggunakan metode regresi data panel Fixed Effect Model (FEM) dengan pembobotan Cross-Section SUR.

This study uses the Fixed Effect Model (FEM) panel data regression method with Cross-Section SUR weighting. The results of the regression analysis in this study indicate that the industrial growth variable has a positive and significant relationship with CO2 emissions. While the renewable energy consumption variable has a negative and significant effect on CO2 emissions. And the electricity access and coal consumption variables have a positive and significant relationship with CO2 emissions.

Keywords: *industrial growth, renewable energy consumption, electricity access, coal consumption, CO2 emissions, panel data regression analysis*

