

ABSTRAK

DETERMINAN FENOMENA PERUBAHAN IKLIM DALAM PERSPEKTIF SOSIAL EKONOMI DI PULAU JAWA DAN PULAU SUMATERA

Oleh

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Fenomena perubahan iklim telah menjadi perhatian khusus di seluruh dunia. Penelitian ini dilakukan untuk melihat faktor penentu dalam perspektif sosial dan ekonomi yang dapat berpengaruh terhadap fenomena perubahan iklim di Pulau Jawa dan Pulau Sumatera. Penelitian ini bersifat data panel dengan jumlah data penelitian sebanyak 80 dalam periode tahun 2018-2022. Variabel yang digunakan adalah Suhu Udara Rata-Rata, Produk Domestik Regional Bruto Sektor Industri, Kepadatan Penduduk, dan Penggunaan Energi Listrik Sektor Industri. Hasil dari penelitian tersebut menunjukkan bahwa seluruh variabel independen seperti PDRB Sektor Industri, Kepadatan Penduduk, dan Penggunaan Energi Listrik Sektor Industri berpengaruh signifikan dan positif terhadap fenomena perubahan iklim di Pulau Jawa dan Pulau Sumatera yang ditinjau melalui suhu udara rata-rata.

Kata Kunci: Perubahan Iklim, Ekonomi Industri, Energi Listrik, Kepadatan Penduduk

ABSTRACT

DETERMINANTS OF CLIMATE CHANGE PHENOMENON FROM A SOCIAL ECONOMIC PERSPECTIVE ON THE ISLAND OF JAVA AND SUMATERA

By

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The phenomenon of climate change has become a special concern throughout the world. This research was conducted to look at the determining factors from a social and economic perspective that can influence climate change on the island of Java and Sumatera. The research is used panel data with a total of 80 research data in the 2018-2022. The variables used in the research were Average of Air Temperature, Gross Regional Domestic Product of Industrial Sector, Population Density, and Electrical Energy in Industrial Sector. The results of his research show that all independent variables such as GRDP of Industrial Sector, Population Density, and Electrical Energy in Industrial Sector have a significant and positive effect on the phenomenon of climate change on the island of Java and Sumatera as viewed through the average of air temperature.

Keywords: Climate Change, Economic Industry, Electrical Energy, and Population Density.