

DEPARTEMEN PENDIDIKAN NASIONAL

FAKULTAS EKONOMI DAN BISNIS UNIVERSITAS AIRLANGGA

PROGRAM STUDI EKONOMI PEMBANGUNAN

DAFTAR NO. :

ABSTRAK

SKRIPSI SARJANA EKONOMI

NAMA : ZAINAL ANAM

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TAHUN PENYUSUNAN : 2018

JUDUL:

PENGARUH *FOREIGN DIRECT INVESTMENT*, PRODUK DOMESTIK BRUTO, DAN KONSUMSI ENERGI TERHADAP EMISI KARBONDIOKSIDA (CO₂) DI INDONESIA

ISI:

Penelitian ini bertujuan untuk menganalisis hubungan FDI, PDB, dan konsumsi energi terhadap emisi CO₂ di Indonesia. Teknik analisis yang digunakan adalah model *Vector Error Correction Model* (VECM) dan uji *Granger - Non Causality* berdasarkan *Block Exogeneity Wald Test* (jangka pendek) dan uji t-statistik ECT (jangka panjang). Data yang digunakan adalah data runtut waktu dari tahun 1981-2014. Hasil penelitian menunjukkan bahwa FDI dan konsumsi energi berpengaruh positif dan signifikan terhadap emisi CO₂ dalam jangka panjang. PDB dan konsumsi energi berpengaruh positif dan signifikan terhadap emisi CO₂ dalam jangka pendek. Terdapat hubungan kausalitas searah secara parsial dari FDI ke emisi CO₂, PDB ke emisi CO₂, dan konsumsi energi ke emisi CO₂. Terdapat hubungan kausalitas searah secara simultan dari FDI, PDB, dan konsumsi energi ke emisi CO₂ dalam jangka pendek dan jangka panjang.

Kata kunci: *Granger - Non Causality, Vector Error Correction Model* (VECM)

Subjek/Objek Penelitian: *Foreign Direct Investment*, Produk Domestik Bruto, konsumsi energi, emisi karbondioksida

STATE MINISTRY OF RESEARCH AND TECHNOLOGY
FACULTY OF ECONOMICS AND BUSINESS AIRLANGGA UNIVERSITY
STUDY PROGRAM DEVELOPMENT ECONOMICS
LIST NUMBER :

ABSTRACT

GRADUATE ECONOMICS THESIS

NAME : ZAINAL ANAM
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ARRANGED YEAR : 2018

TITLE:

THE IMPACT OF FOREIGN DIRECT INVESTMENT, GROWTH DOMESTIC PRODUCT, AND ENERGY CONSUMPTION TO CARBONDIOXIDE (CO₂) EMISSION IN INDONESIA

CONTENT:

This study analyzes the impact of Foreign Direct Investment, Growth Domestic Product, and energy consumption to CO₂ emission in Indonesia. The analysis technique is Vector Error Correction Model (VECM) model and Granger - Non Causality test based on Block Exogeneity Wald Test (short-run) and ECT t-statistic test (long-run). The data used are time series from 1981-2014. The results show that FDI and energy consumption have positive and significant effect to CO₂ emission in the long-run. GDP and energy consumption have positive and significant effect to CO₂ emission in the short run. There are directional causality as partially from FDI to CO₂ emission, GDP to CO₂ emission, and energy consumption to CO₂ emission. There is directional causality as simultaneously from FDI, GDP, and energy consumption to CO₂ emission in the short-run and long-run.

Keywords: Granger - Non Causality, Vector Error Correction Model (VECM)

Subject/Object of Research: Foreign Direct Investment, Growth Domestic Product, energy consumption, carbondioxide emission