



**DETERMINANTS OF RENEWABLE ENERGY CONSUMPTION IN TEN
DEVELOPING COUNTRIES**

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JANUARY 2020

DECLARATION OF ORIGINAL WORK



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“DECLARATION OF ORIGINAL WORK”

I, Farah Wahida Binti Abu Supian, (I/C Number: 960422-10-5186)

Hereby, declare that:

- This work has not previously been accepted in substance for any degree, locally or overseas, and is not being concurrently submitted for this degree or any other degrees.
- This project paper is the result of my independent work and investigation, except where otherwise stated.
- All verbatim extracts have been distinguished by quotation marks and sources of my information have been specifically acknowledged.

Signature: _____

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LETTER OF SUBMISSION

January 2020

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Dear Madam,

SUBMISSION OF PROJECT PAPER

Attached is the project paper titled “**A STUDY ON DETERMINANTS OF RENEWABLE ENERGY CONSUMPTION BASED ON 10 SELECTED DEVELOPING COUNTRIES**” to fulfil requirement as needed by the Faculty of Business Management, Universiti Teknologi Mara.

Thank You

Yours sincerely,

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ABSTRACT

This study aims to investigate the relationship of between the Energy Use, Gross Domestic Product (GDP), Carbon Emissions (CO₂), Corruption Perception Index and Population to the Renewable Energy Consumption in 10 selected developing countries which are Argentina, Bangladesh, China, India, Indonesia, Malaysia, Mexico, Pakistan, Philippines, and Thailand. The study has used Panel Regression Model to discover the relationship between Energy Use, Gross Domestic Product (GDP), Carbon Emissions (CO₂), Corruption Perception Index, Population and Renewable Energy Consumption. The annual percentage of each variable starting from 2001 – 2014 is gathered to run the test in this study. Based on the result, Corruption Perception Index and Population have a significant positive relationship toward Renewable Energy Consumption, Gross Domestic Product and Carbon Emissions (CO₂) have a significant negative relationship toward Renewable Energy Consumption, while, Energy Use has insignificant positive relationship toward Renewable Energy Consumption in 10 selected developing countries which are Argentina, Bangladesh, China, India, Indonesia, Malaysia, Mexico, Pakistan, Philippines, and Thailand. This shows that Renewable Energy Consumption is sensitive to changes in all the independent variables except for Energy Use. Furthermore, based on the result, the Corruption Perception Index and Population are the most significant determinant affecting renewable energy consumption.