

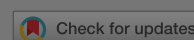
Bulletin of Indonesian Economic Studies >  
Volume 54, 2018 - Issue 2755 | 0 | 1  
Views CrossRef citations to date Altmetric

Other Articles

# Financing Renewable Energy in Indonesia: A CGE Analysis of Feed-In Tariff Schemes

Herbert Wibert Victor Hasudungan ✉ &amp; Sulthon Sjahril Sabaruddin

Pages 233-264 | Published online: 26 Sep 2018

Cite this article <https://doi.org/10.1080/00074918.2018.1450961>

Sample our  
Politics & International  
Relations Journals

>> Sign in here to start your access  
to the latest two volumes for 14 days

[Full Article](#) [Figures & data](#) [References](#) [Citations](#) [Metrics](#)[Reprints & Permissions](#)[Read this article](#)

## Abstract

This paper examines the impact of promoting clean (renewable) energy production through feed-in tariff (FIT) schemes on Indonesia's economy and on greenhouse gas (GHG) emissions. For numerical analysis, we designed a hybrid computable general equilibrium (CGE) model that explicitly incorporates electricity generation technologies. The Indonesian FITs have been stipulated in Government Regulation No. 79/2014 on National Renewable Energy Policy. The paper finds that the FIT rate for renewable energy is not sufficient to attract investment in the renewable energy sector. (i) the FIT rate is not sufficient to attract investment in the renewable energy sector; and (ii) the FIT rate is not sufficient to attract investment in the renewable energy sector. These findings imply that the current policy is ineffective to reduce the national emissions.

### About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).


Accept All

Essential Only

Settings

Keywords: feed-in tariff renewable energy promotion greenhouse gas emissions carbon tax hybrid CGE model Indonesia

JEL classification: C68 D58 D63 Q21 Q26 Q28 Q41 Q43 Q48 Q56 Q58



### About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All

Essential Only

Settings

account — ‘fossils and metal ores mining sector’. Refineries products are aggregated in a single account, namely ‘chemical, fertiliser, clays, and cements products’. Electricity is pooled together with other utilities such as drinkable water and city gas products. We put forward the argument that the set comprising three energy sectors in the existing SAM will not be sufficiently applicable to calibrate the hybrid-CGE model for specific energy analysis in Indonesia.

5. We only present an example of import and tariff discrepancy of COMOIL\_C given in the existing SAM and compiled data. These discrepancies appear for all types of imported energy commodities.

6. For details, see Robinson et al. (2001).

## Related research

People also read

Recommended articles

Cited by



### About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click “Settings”. For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All 

Essential Only

Settings

## Information for

Authors

R&D professionals

Editors

Librarians

Societies

## Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

## Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

## Help and information

Help and contact

Newsroom

All journals

Books

## Keep up to date

Register to receive personalised research and resources by email



Sign me up



Copyright © 2024 Informa UK Limited   Privacy policy   Cookies   Terms & conditions

Accessibility



Taylor & Francis Group  
an informa business

Registered in England & Wales No. 3099067  
5 Howick Place | London | SW1P 1WG

### About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our [Privacy Policy](#).

Accept All

Essential Only

Settings