ERIA Research Project Report 2021, No. 13

## The Economics and Risks of Power Systems with High Shares of Renewable Energies

Matsuo Yuji

Alloysius Joko Purwanto



## The Economics and Risks of Power Systems with High Shares of Renewable Energies

Economic Research Institute for ASEAN and East Asia (ERIA) Sentral Senayan II 6th Floor Jalan Asia Afrika no.8, Gelora Bung Karno Senayan, Jakarta Pusat 12710 Indonesia

© Economic Research Institute for ASEAN and East Asia, 2021

ERIA Research Project Report FY2021 No. 13

Published in September 2021

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means electronic or mechanical without prior written notice to and permission from ERIA.

The findings, interpretations, conclusions, and views expressed in their respective chapters are entirely those of the author/s and do not reflect the views and policies of the Economic Research Institute for ASEAN and East Asia, its Governing Board, Academic Advisory Council, or the institutions and governments they represent. Any error in content or citation in the respective chapters is the sole responsibility of the authors.

This report was prepared by the Working Group for the Study on Economics and Risks of Power Systems with High Shares of Renewable Energies under the Economic Research Institute for ASEAN and East Asia (ERIA) Energy Project. Although members of the working group agreed to utilise certain data and methodologies for Cambodia, Indonesia, the Lao PDR, Malaysia, Myanmar, and Viet Nam, these data and methodologies may differ from those normally used in those countries. The calculated results presented here should not, therefore, be viewed as official national analyses.

Material in this publication may be freely quoted or reprinted with proper acknowledgement.