JOURNAL OF SCIENCE, TECHNOLOGY, INNOVATION POLICY AND MANAGEMENT (STIPM JOURNAL), Volume 01, Number 01, July 2016

FOREWORD by EDITOR-in-CHIEF

Welcome to the Journal of Science, Technology, Innovation Policy and Management (STIPM), a scientific journal published by the Center for Science and Technology Development Studies at the Indonesian Institute of Sciences (Pappiptek-LIPI), Jakarta, Indonesia. It is published twice a year in July and December.

We are very pleased that this number presents articles on issues of science, technology and innovation written by scholars from Japan, HongKong and Indonesia. We are also delighted that a variety of STI issues at firm, national and regional levels are discussed in this edition.

In this edition, the STIPM Journal contains six articles dealing with science, technology and innovation policy and management. The focus of the articles, among others, are on the innovation system reforms in Indonesia and Vietnam; technology and standardization strategy of the diffusion of smart houses; intellectual property creation in Japanese companies; technological capability upgrading and entrepreneurship in the industrial sector; influential factors in evidence-based energy policymaking; and modelling innovation using the Dijkstra algorithm. All articles have gone through editorial review by prominent experts.

We would like to express our immense gratitude to our international editorial board members, reviewers and authors. We hope this publication will prove useful for readers and contribute to the enhancement of science, technology and innovation.

Jakarta, July 2016 Editor-In-Chief

JOURNAL OF STI POLICY AND MANAGEMENT

Volume 1 No. 1 July 2016

LIST OF CONTENTS

Innovation System Reform in Indonesia and Vietnam: A new Role for Universities? Erik Baark	. 1–15
Technology and Standardization Strategies related to the Diffusion of Smart Houses: The Case of ECHONET in Japan	
Kumiko Miyazaki, Kentaro Nishida	17–27
Intellectual Property Creation of Japanese Companies in China and Thailand Masayuki Kondo	. 29–39
Technological Capability Upgrading and Entrepreneurship: Case Study of Selected Indonesian Fish Processing Companies	
Erman Aminullah, Trina Fizzanty, Galuh S. Indraprahasta, and Indri J. Asmara	41–57
Influential Factors of Evidence-Based Energy Policy-making: Government Regulation on Targeting Renewable Energy in Indonesia	
Wati Hermawati, Prakoso Bhairawa Putera, Dudi Hidayat, and Ishelina Rosaira P	59–73
Finding the Most Efficient Technology Transfer Route Using Dijkstra Algorithm to Foster Innovation: The Case of Essential Oil Developments in the Research Center for Chemistry at the Indonesian Institute of Sciences	
Arief A. R. Setiawan, Anny Sulaswatty, and Agus Haryono	75–102