

**JOURNAL OF SCIENCE, TECHNOLOGY AND INNOVATION
POLICY AND MANAGEMENT (STIPM JOURNAL),
Volume 06, Issue 02, December 2021**

FOREWORD by EDITOR-in-CHIEF

We are pleased to present the STIPM Journal Vol 6, No. 2, December, 2021. This issue brings together research findings related to science, technology, and innovation policy and management from Japan, Thailand and Indonesia, and one critical review of open innovation at SMEs.

The first article was written by **Anittha Jutarosaga, et al.**, entitled *The Reorientation Thailand's National R&D Programmes – Limits and Challenges*. This article discusses that the Thai government decided to experiment with the national large-scaled mission-oriented R&D programme, known as 'Spearhead R&D Programme' through the lessons learned from successful experiences of South Korea and Japan.

Jatraningrum, D.A., et al., present an article entitled *Triple Helix Collaboration in Indonesia's Covid-19 Vaccine Development: Undertanding the Barriers and Enablers*. The article basically discusses how the collaboration between the triple helix components (Industry, Academician, and Government) work in the Merah Putih vaccine (MP vaccine) in Indonesia. The critical findings of this research serve as empirical evidence of the barriers and enablers of a national innovation project initiated by the government.

The third article was written by **Masayuki Kondo**, entitled *Automation and "Thailand+1" Strategy of Japanese Companies in Thailand by Thai Engineers*. This paper discusses two topics. One is that automation using industrial robots in Thailand is promoted by Thai engineers with the assistance from Japanese engineers. The other is that a new technology transfer for Japanese companies is emerging associated with the strategies of Thailand+1. That is, technology transfer from Thailand by Thai engineers of Japanese Thai companies.

An empirical analysis of AI related scientific knowledge and technologies to support Elderly Independent Living is the fourth article written by **Fei Yuan, Kumiko Miyazaki** and **Santiago Ruiz-Navas**. They propose to identify AI technological innovation opportunities when developing AI solutions to help the elderly independent living (EIL). The research consists of two steps: 1) Identifying AI solutions to help EIL by implementing scientometric analysis on scientific publications related to AI technologies and the elderly. 2) The review and national-level comparison of the identified AI solutions under the proposed framework of elderly need, supporting function, underlying technologies and scientific knowledge.

The fifth article entitled: *Policy innovation through the application of E-Government: Case of Bandung championship in assessment information system program* was written by **Siti Alia**, et al. The article discusses the applications of e-government in Indonesia called the Performance Information System which is implemented in the city of Bandung since 2014. It's just that the lack of community participation makes this application not work well according to its function.

In the sixth article, **Eristian Wibisono** presents a literature review entitled *A Critical Review of Open Innovation in SMEs: Implementation, Success Factors and Challenges: Theoretical Review*. This paper had outlined the main problems in Open Innovation in SME, the implementation of Open Innovation so far, how certain factors lead to success in Open Innovation and what challenges may be faced by SME companies in the process of Open Innovation.

Finally, the last article was composed by **Mia Rahma Romadona and Sigit Setiawan** entitled *Researchers' view on R&D organizational change using the Grief Cycle model: a case study*. This study aims to examine how researchers view organizational change in R&D using the Grief Cycle model.

The STIPM Journal is indexing Google Scholar, ISJD, IPI, DOAJ, BASE, and OCLC World Cat. This makes the journal dissemination wider. We would like to thank you all Reviewers, for their excellent work and the authors who kindly contributed their papers for this issue. We are also indebted to the STIPM Journal editorial office at the BRIN for their assistance in preparation and publication of this issue.

We keep maintaining and increasing the quality of STIPM Journal to be a higher scientific platform for the authors and readers, with a comprehensive overview of the most recent STI Policy and Management research and development at the national, regional and international level.

Happy New Year, 2022 to all of you!

Jakarta, December 2021
Editor-In-Chief

LIST OF CONTENTS

The Reorientation of Thailand’s National R&D Programmes - Limits and Challenges Anittha Jutarosaga, Yupadee Hengjan, Santi Charoenpornpattana, and Kommate Jitvanichphaibool	77–88
Triple Helix Collaboration in Indonesia’s Covid-19 Vaccine Development: Understanding The Barriers and Enablers D.A., Jatraningrum, R.K. Jati, S. Maludin, R. Manalu, R.L. Helmi, and W. Hermawati	89–107
Automation and ‘Thailand +1’ Strategy of Japanese Companies in Thailand by Thai Engineers Masayuki Kondo	109–118
An Empirical Analysis of AI Related Scientific Knowledge and Technologies to Support Elderly Independent Living Fei Yuan, Kumiko Miyazaki, and Santiago Ruiz-Navas	119–129
Policy Innovation through the Application of E-Government: Case of Bandung Championship in Assessment Information System Program Siti Alia, Elisa Susanti, Idah Wahidah, Fitri Pebriani Wahyu, and Muhammad Andi Septiadi	131–144
A Critical Review of Open Innovation in SMEs: Implementation, Success Factors and Challenges Eristian Wibisono	145–156
Researchers’ View on R&D Organizational Change Using the Grief Cycle Mia Rahma Romadona and Sigit Setiawan	157–171