

**JOURNAL OF SCIENCE, TECHNOLOGY AND INNOVATION
POLICY AND MANAGEMENT (STIPM JOURNAL),
Volume 05, Issue 02, December 2020**

FOREWORD by EDITOR-in-CHIEF

We are pleased to present to the readers the fifth issue of the Journal of Science, Technology and Innovation Policy and Management. In this issue, we continue to publish results of interdisciplinary scientific researches in various aspects of STI Policy and Management. This issue, prior issues, and other resources are available at www.stipmjournal.org.

We thank the reviewers and editorial boards for their precious time in ensuring high quality articles emerge through the double-blind peer review process. The seven articles in this volume cover wide range topics in STI policy and R&D governance and management. In this issue, we introduce the special topic on *Original Concept Formation*. This is a new focus and scope of STI Policy and Management Journal. A concept formation in technology policy (TP) and management of technology (MOT), including proven soft technology concept based on rigorous data, cumulatively published references and long experiences in academic sphere. The original concept formation should deal with soft technology problems, policy context for problem solving, the content of concept formation and effectively implemented concept formation.

M. Nawaz Sharif presents an original concept formation entitled *Technology for Development: Ten True Stories Revealing the Complexity of Replicating South Korean Success*. The essay comprises ten true stories presented to highlight personally observed problematic encountered by Asian developing country leadership who tried to replicate South Korean success in fostering technology innovation induced sustainable economic growth strategy without paying robust attention to the crucial role of creating an “innovation climate/culture” as necessary foundation for myriad development efforts.

The subsequent articles revealed research findings on the various issue of STI policy and R&D governance and management. First article is presented by Erwiza Erman with the title *Changing Stages of System Innovation at the Ombilin's Coal Mines of Sawahlunto: From Ghost Town to World Heritage*. This paper is about system innovation, a transition from one socio-technical system to another by transforming the historical and cultural area into a world heritage city. The objective of this study is to reconstruct the changing stages of system innovation in achieving the status World heritage at the Ombilin coal mines site of Sawahlunto.

Second article is composed by Rachmini Saparita and Savitri Dyah, entitled *Mechanism of Implementing Technology in the Community of Eastern Indonesia (Case Study in Belu Regency, Nusa Tenggara Timur Province)*. This paper focusses on mechanism of technology implementation to increase society's welfare. The study also evaluated technology implementation activities in the period 2003 to 2019, using meta-synthesis. The analysis found that there are five types of technology transfer mechanisms carried out by researchers at LIPI.

Third article composed by Budi Triyono, Ria Hardiyati and Aditya Wisnu Pradana, entitled *Lack of Contribution of the Indonesian R&D Program to Economic Sector: Learning from the RPJMN Implementation*. Through a review of National Medium-Term Development Plan (RPJMN) documents on the S&T Sector period of 2015–2019, this article attempts to analyze various obstacles related to the minimal contribution of Indonesian R&D Programs in supporting the economic sector and national competitiveness of Indonesia.

Wati Hermawati presents an article entitled *Key Success Factors in managing and Implementing Public Funded R&D Projects in Indonesia*. In this paper, she mentioned that the role of public funded R&D institutions in supporting innovation and economic performance of MSMEs (micro, small and medium enterprises) is still very small. Therefore, the success factors in managing and implementing R&D projects at R&D institutions should be identified, particularly in providing solving problems of MSMEs. Through the two case studies, this article provides key success factors and lessons learned to improve R&D project activities at PRCs.

The fifth article presents by Trina Fizzanty, Kusnandar, Sigit Setiawan, Radot Manalu and Dini Oktavianti, entitled *The International Research Collaboration, Learning and Promoting Innovation Capability in Indonesia Medical Sectors*. This article presents case of eight international collaboration research projects in medical research in Indonesia. The research found that International research collaboration has opened opportunity for Indonesian researcher to learn and upgrade their capability and contribute to scientific arena. However, none of international research projects reached commercialization stage yet, but some were in the beginning of clinical trial stage.

Finally, Budi Harsanto presents an article entitled *Eco-innovation Research in Indonesia: A Systematic Review and Future Directions*. The article provides an analysis on the recent development of eco-innovation research in Indonesia and provides some potential avenues for future research. The analysis is carried out using systematic literature review (SLR) techniques to synthesize knowledge development of a scientific field in a structured, transparent, and reliable manner.

The editors of STIPM Journal are dedicated to working with scholars in existing and emerging STI issues and produce high-quality papers to expand knowledge in the field of STI Policy and R&D Governance and Management. We believe that all the papers published in this issue will have great influence on STI Policy and Management for Sustainable Development.

The STIPM Journal is indexed by Google Scholar, ISJD, IPI, DOAJ, BASE, SINTA and OCLC World Cat. This make the journal dissemination wider.

The editors-in-chief acknowledge and very grateful to the authors, the editorial board, the section editors, the designer, the staff of the LIPI Press Publishing Office, and everyone who has contributed to the publication of the STIPM journal. We are also very grateful to our future readers. By inviting the readers to publish your research results articles in this journal, we believe in the meaningfulness and future collaboration as well as to provide a higher scientific platform for the authors and the 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 2021 to all of you!

Jakarta, 15 December 2020
Editor-In-Chief

JOURNAL OF STI POLICY AND MANAGEMENT

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