

Transcending Societal Issues for Space Exploration (12)
Transcending Societal Issues for Space Exploration (2) (2)

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RECONVENE ASIAN MIRACLE: SPACE INDUSTRIALIZATION IN INDONESIA

Abstract

This paper seeks to re-create Asian Miracle with a case study of Indonesian space industrialization. The wisdom that can be drawn from the Asian Miracle Phenomenon proves that the need for state intervention in economic growth, especially industrialization. Currently, the industrialization of space has become a trend along with the commercialization of space technology and applications. The space industry as an upstream of the high-tech industry creates technology spin-offs, more value-added goods and services, and jobs. The socioeconomic impact of the space industry has attracted non-space fairing countries, one of which is Indonesia, to participate in developing it against the challenges of globalization which often echoes comparative advantage. So it is necessary to know, how is the Indonesian government's intervention in building the space industry? Previous research only reflects the strategies of other countries in developing Indonesia's space industry. The research gap regarding the efforts of the Indonesian government indigenously in the development of the space industry is very necessary to be studied. Using developmental state theory from Chalmers Johnson who views the state as a rational agent who actively makes strategic industrial policies that focus on effectiveness using a strong bureaucratic role. The method used in this paper is qualitative in Indonesian case studies. Technical analysis is a causality analysis that illustrates the intervention of the Indonesian government in space industrialization as a developmental state theory. Using primary and secondary data, primary data was obtained through interviews with policy analysts professor, the national institute of aeronautics and space of Indonesia (LAPAN). While secondary data is collected through documents related to the efforts of the Indonesian government in the development of the space industry. From the results of the analysis, it is known that the Indonesian government began actively making industrialization policies on the micro-level through spaceport development policies and macro-level through the Indonesian space master plan. The strong role of the bureaucracy through LAPAN as national focal points in all Indonesian space activities. Aero-summit became a forum for consultation in intensive coordination between the state and the private sector in the Indonesian space industrialization. The implication of these results is Indonesia's economic growth has the potential to increase. This paper is limited to the case of Indonesian space industrialization in the 2013-2020 period. As a recommendation for the next research should observe the challenges and opportunities of Indonesia's space industrialization so that Indonesia can become a space-faring country.