

27th IAA SYMPOSIUM ON SMALL SATELLITE MISSIONS (B4)  
21st Workshop on Small Satellite Programmes at the Service of Developing Countries (1)

Author: Mr. Wahyudi Hasbi

Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia, wahyudi.hasbi@lapan.go.id

Mr. Abdul Karim

Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia, karim.lapan@gmail.com

Mr. Mujtahid Mujtahid

Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia, mujtahid@lapan.go.id

ORGANIC GROWTH MODEL OF SMALL SATELLITE DEVELOPMENT IN INDONESIA

**Abstract**

In 1976, Indonesia was the third country in the world, applying communication satellite technology for developing the country. Also, since 1971, Indonesia uses remote sensing satellite data for any application. The importance of the satellite application leads to LAPAN as a space agency in Indonesia to develop satellite technology in Indonesia. As a developing country with many constraints and limitation, mastering the satellite technology is a challenge. This constraint and limitation are then resulting in a new way to develop satellite technology, especially in the small satellite. So far, Indonesia has launched three small satellites and having a roadmap for other small satellite development. This paper describes the organic development of a small satellite in Indonesia and shows the result that could become a model for another developing country.