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International Seminar of Aerospace Science and Technology II - 2014

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PREFACE

Presence of God grace, International Seminar of Aerospace Science and Technology 2nd ISAST in 2014 have been implemented and continued with publishing the proceedings. This seminar, organized following LAPAN anniversary events. It provides the opportunity for the researchers of universities and academic institutes, and for the industry engineers to serve the community preferably.

In line with these objectives, a International seminar was held under the theme : "Development of Aeronautics and Space Technology to Support Maritime Application". Through the International Seminar on Aerospace Science and Technology II - 2014 is expected to be achieved :

- Increased interconnections between the researcher and engineering of aerospace science and technology with industrial world, so more and more beneficial to society.
- Increased scientific communication between actors in the field of science and technology Aerospace functional
- Increased research publications in the field of science and technology and aerospace engineering

Seminar ISAST II - 2014 was followed by several agencies that include Space agency JAXA, BPPT, LIPI, PT. Dirgantara Indonesia, and Universities in Indonesia, Japan, South Korea, China, Germany and Spain. A total of 41 papers were entered have undergone selection and review by the committee and editors staff, thus produced 35 eligible papers for a seminar on November 11th, 2014 at Widya Graha Bakti DRN Puspiptek, Serpong, Tangerang and 15 published in the Proceedings of ISAST II - 2014. Proceedings presents a collection of research papers and engineering covering the field of Science and Technology, Satellite technology, Aerodynamics, Structures, Propellants, Propulsion, Telemetry, Control, Computing and Energy Conversion .

In the process of implementation up to the publication of the Proceedings of the seminar, of many deficiencies occur. For that, we all organizers apologize for any shortcomings. For the sake of the progress of such activities, all suggestions and criticism we always wait for readers of all ISAST Proceedings of II-2014.

Hopefully, this book can add to our knowledge, especially in the field of aerospace science and technology, both from the user immediate and wider community. Finally, to all those who have helped in the carrying ISAST II -2014 up to the publication of these Proceedings, we extend our thanks in particular to :

1. Space agency head of LAPAN, Prof Dr Thomas Djamaluddin.
2. Deputy for Aerospace Technology LAPAN, Mrs. Dr. Rika Andiarti ,
3. Space agency officials throughout , functional counterpart , the entire committee and fellow employees / employee which has helped the implementation ISAST II - 2014.

May the Almighty God continue to bestow His grace and guidance to us all in order to be better in every way for current and future. Hopefully, we can meet again next year in ISAST III -2015

Rumpin, 16 December 2014

Head of Aeronautics Technology Center - LAPAN



Drs. Gunawan Setyo Prabowo, MT.

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