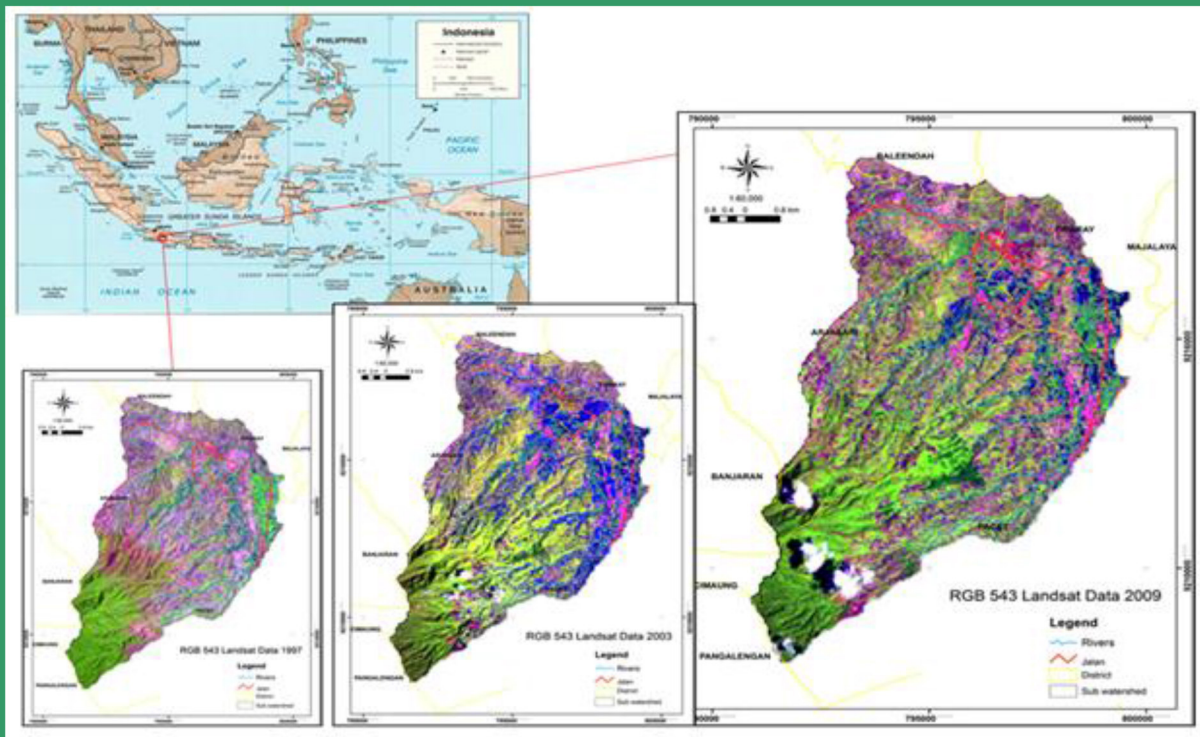




# International Journal of Remote Sensing and Earth Sciences



Vol. 13 N0. 1 June 2016

ISSN 0216-6739  
No. 572/AU2/P2MI-LIPI/07/2014

International Journal of  
**Remote  
Sensing and  
Earth Sciences**

**Published by  
National Institute of Aeronautics and Space of Indonesia  
(LAPAN)**



## **Editorial Committee Preface**

Dear IJReSES Readers,

We thank and welcome you for reading the International Journal of Remote Sensing and Earth Sciences Vol. 13 No 1, June 2016. Generally, this journal is expected to enrich the serial publications on earth sciences, particularly in the remote sensing area, and serves as the enrichment on earth sciences publication not only in Indonesia or Asia but also worldwide.

This journal consists of papers discussing the particular interest in remote sensing field. Said papers are having the main data for geosciences, oceanography, marine biology, fisheries, meteorology, etc. Various topics are discussed in the thirteenth edition of this journal. To be concise, the topics discussed in this edition are studies of detection of green open space, analyzing scene compatibilities for mosaic, determination of forest and non-forest, development of pushbroom airborne camera system, spatial pattern of hydrologic response unit (HRU), development of annual Landsat 8 composite, variation and trend of sea level, and lineament density information extraction.

The intention of the IJReSES publication is as the supplement on information regarding Remote Sensing and Earth Sciences, and also to motivate, particularly, Indonesian scientists to submit their research results. Hence, they will be contributing in strengthening the nation's independence. For that reason, we invite scientists to play their parts in this journal by submitting their scientific research papers. We are looking forward to receiving your manuscripts for the next edition of this journal.

Editor-in-Chief,

**Dr M. Rokhis Khomarudin**

**Editorial Committee Members**  
**INTERNATIONAL JOURNAL OF**  
**REMOTE SENSING AND EARTH SCIENCES**  
**Vol. 13 No. 1 June 2016**  
**ISSN 0216-6739**

- Editor-in-Chief : **Dr. M. Rokhis Khomarudin**  
Co Editor-in-Chief : **Dr. Erna Sri Adiningsih**  
Editors : **Dr. Ratih Dewanti**  
**Dr. Bambang Trisakti**  
**Dr. Syarif Budhiman**  
Peer Reveiwers **Prof. Dr. Domu Simbolon**  
**Prof. Dr. Ir. I Nengah Surati Jaya, M.Agr**  
**Prof. Aris Poniman**  
**Prof. Dr. Dewayani Sutrisno**  
**Dr. Bidawi Hasyim**  
**Dr. Ir. Baba Barus, M.Sc**  
**Dr. Ing. Widodo Setyo Pranowo**  
**Dr. Jonson Lumban Gaol**
- Secretariat : **Mr. Christianus R. Dewanto**  
**Mr. Jasyanto**  
**Ms. Mega Mardita**  
**Mr. Suwarsono**  
**Ms. Sayidah Sulma**  
**Mr. Fajar Yulianto**  
**Mr. Zylshal**  
**Mr. Yudho Dewanto**  
**Mr. M. Luthfi**  
**Mr. Irianto**  
**Mr. Dwi Haryanto**  
**Mr. Aulia Pradipta**

Contribution Paper to:

**IJReSES Secretariat**  
**National Institute of Aeronautics and Space of Indonesia (LAPAN)**  
Jl. Pemuda Persil No. 1, Rawamangun, Jakarta 13220, INDONESIA  
Phone. (021) 4892802 ext. 144 – 145 (Hunting) Fax. (021) 47882726  
Pukasi.lapan@gmail.com



Published by:  
**National Institute of Aeronautics and Space of Indonesia**  
**(LAPAN)**

INTERNATIONAL JOURNAL OF  
REMOTE SENSING AND EARTH SCIENCES

Vol. 13 No. 1 June 2016

ISSN 0216-6739

No. 572/AU2/P2MI-LIPI/07/2014

Contents

Editorial Committee Preface .....	ii
Editorial Committee Members .....	iii
<b>Detection of Green Open Space Using Combination Index of Landsat 8 Data (Case Study: DKI Jakarta)</b>	
Sayidah Sulma, Jalu Tejo Nugroho, Any Zubaidah, Hana Listi Fitriana, and Nanik Suryo Haryani .....	1
<b>Analysis on Scene Compatibilities for Mosaic of Landsat 8 Multi-Temporal Images Based on Radiometric Parameter</b>	
Haris Suka Dyatmika and Liana Fibriawati .....	9
<b>Determination of Forest and Non-Forest in Seram Island Maluku Province Using Multi-Year Landsat Data</b>	
Tatik Kartika, Ita Carolita, and Johannes Manalu .....	19
<b>Development of Pushbroom Airborne Camera System Using Multispectrum Line Scan Industrial Camera</b>	
Ahmad Maryanto <sup>1</sup> , Nugroho Widijatmiko, Wisnu Sunarmodo, Muhammad Soleh, and Rahmat Arief .....	27
<b>Spatial Pattern of Hydrologic Response Unit (HRU) Effect on Flow Discharge of Ci Rasea Watershed Using Landsat TM in 1997 to 2009</b>	
Emiyati, Eko Kusratmoko and Sobirin .....	39
<b>Development of Annual Landsat 8 Composite Over Central Kalimantan, Indonesia Using Automatic Algorithm to Minimize Cloud</b>	
Kustiyo .....	51
<b>Variation and Trend of Sea Level Derived from Altimetry Satellite and Tide Gauge in Cilacap and Benoa Coastal Areas</b>	
Amelius Andi Mansawan, Jonson Lumban Gaol, James P. Panjaitan .....	59
<b>Lineament Density Information Extraction Using DEM SRTM Data to Predict the Mineral Potential Zones</b>	
Udhi C. Nugroho and Arum Tjahjaningsih .....	67
Instruction for Authors .....	75

---

---

Published by:

National Institute of Aeronautics and Space of Indonesia (LAPAN)

