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Sixth Geoinformation Science Symposium

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Editors

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Introduction

This volume contains proceedings from the Sixth Geoinformation Science Symposium and is the sixth proceedings volume of similar events held since 2009. However, for the first time, it has been organized and published through SPIE. The symposium was a collaboration between the Department of Geographic Information Science, Faculty of Geography, UGM and the Indonesian Geographers Association (IGI). The theme of the symposium was Shifting Paradigms in Geospatial Data Management, and it was held over two days from 26 to 27 August 2019 in Yogyakarta. Fields covered included: fields of remote sensing, GIS, cartography, and other related geospatial fields.

The main purpose of the symposium is to hold a scientific event in the field of GISc that can bring together experts from various countries with researchers from within Indonesia, as well as to increase scientific exposure for the publication of students, lecturers, and researchers in Indonesia internationally. Therefore, we worked with SPIE to publish papers from this event, which will be indexed by Scopus.

These proceedings include papers that have been selected through a careful review process, were presented and discussed in parallel sessions or poster presentations, and then were reviewed by members of the Review Committee, returned to the authors for revision when applicable, and then re-submitted and reviewed according to SPIE standards. The total time needed from the initial submission of abstracts to publication was approximately six months.

As I mentioned previously, this symposium is the sixth routine event, which was first organized in 2009 and is held bi-annually. From 2009 to 2015, the events were held in Bahasa, Indonesia, and included only invited speakers from Indonesia. It was not until 2017, or the Fifth Symposium, that this event was held in English and we invited speakers and participants from abroad. The Fifth Symposium was held following the event of the Second ICOIRS (International Conference of Indonesian Remote Sensing Society) in the previous year (2016). Thus, since 2016, the Department of Geographical Information Science at the UGM Faculty of Geography has held events at the international level three times.

In this scientific event, 83 abstracts were received and after a careful review, we selected 36 papers to be presented. All of them have been presented in parallel sessions on the first and second days, and 29 papers are included in this proceedings volume.

I also have to mention that there were seven keynote speakers on this occasion: Prof. Yasushi Yamaguchi (Nagoya University, Japan), Prof. Kasturi D Kaniah (UTM, Malaysia), Dr. Yves Laumonier (CIFOR), Dr. Antonius Wijanarto (Deputy for Thematic Geospatial Information, BIG), Ms Hidayah Hamzah, M.Sc. (WRI - Indonesia), Mr. Yasushi Onda (Google Earth Engine), and Mr. Hafidh Alfian Affandi (ESRI - Indonesia).

I would like to thank the Dean of the Faculty of Geography, Prof. Muh Aris Marfai, who has fully supported this conference, to BPP UGM who provided financial support, to the Chair and Secretary of the Department of Geographic Information Science, Dr. Muhammad Kamal, and to Dr. Pramaditya Wicaksono who provided total support to all of us. I would also like to thank the editorial team, steering committee, program committee, and session chairs who have worked hard to run this symposium.

I personally thank the committee secretary, Dr. Sanjiwana Arjasakusuma, the real coordinator for this event, Ms. Candra Sari Kartika Djati, Dr. Sandy Budi Wibowo, Dr. Prima Widayani, as well as all GISc Department lecturers who have supported us in the technical preparation of the symposium event. I apologize that while preparing for this event and during the days of the symposium there were still many shortcomings.

Dr. Projo Danoedoro