

## FOREWORD

Landscape development is facing very high acceleration changes, considering the growth and development of a region. As a result of human activities, various negative impacts arose for the landscape development, such as the loss of greenery open space (GOS) and blue open space (BOS), decreased quality of comfort-related micro-climate, the omission of the potential landscape services as well as a variety of others environmental problems.

Awareness of the importance of sustainable landscape development has been proclaimed by the United Nations (UN) in the Sustainable Development Goals (SDGs) program at Goal 11<sup>th</sup>, namely *to make cities and human settlements inclusive, safe, resilient and sustainable* (source: <https://sustainabledevelopment.un.org/sdg11> ). A way to ensure the achievement entire SDGs (2016-2030) are to involve communities in the implementation and attainment in accordance with **nawacita** Indonesia. Therefore, it is needed to bridge and facilitate the role of the community in order to realize the SDGs with **nawacita** that can be obtained in the form of scientific activities such as a symposium. The 2<sup>nd</sup> International Symposium for Sustainable Landscape Development (**The 2<sup>nd</sup> ISSLD**) is a continuation of the annually symposium, the sustainability of this activity is very important to be managed on a regular basis. The topic for this annually symposium has been adapted to specific conditions for each year.

The 2<sup>nd</sup> ISSLD was held on November 9-10, 2016 at the IPB International Convention Centre (ICC), Bogor, Indonesia. The 2<sup>nd</sup> ISSLD is jointly organized by the Department of Landscape Architecture, Faculty of Agriculture, Bogor Agriculture University (IPB), and the Directorate of Research and Innovation IPB (DRI IPB). This symposium produced 40 (forty) articles which are published in this issue of IOP Conference Series: Earth and Environmental Science (EES). Those articles were come from subtopic about green landscape, socio-cultural landscape, and landscape planning and design.

The 2<sup>nd</sup> ISSLD aims to assess the landscape issue through a variety of case studies related to the effort for achieving sustainable landscape development. Various ideas towards a sustainable landscape are currently an intense research topic in the international level such as research on urban resilience, ecocity, sustainable city, until the low carbon landscapes. At the 2<sup>nd</sup> ISSLD, the researchers, students, businessman, practitioners, stakeholders, and governments can meet each other and exchange ideas to jointly formulate effort to create sustainable and comfortable tropical landscape. Around 150 participants have joint the 2<sup>nd</sup> ISSLD that come from various academicians (A), businessman (B), government (G), community (C) and mass media (M) to reach an ABGCM penta helix collaboration for sustainable landscape development.

We are thankful to all authors who have contributed to yield a high scientific standard to this proceeding of the 2nd ISSLD. We are also grateful to IOP Publishing, especially Anete Ashton (Publisher, IOP Conference Series), for allowing us to guide some of the symposium results for being published in the IOP Conference Series: Earth and Environmental Science (EES). We are trully thank to all dedicated editorial and scientific committes who have reviewed and encouraged the authors to revised their papers. We also would like to thank Ministry of Research, Technology and Higher Education (*Kementerian Riset, Teknologi dan Perguruan Tinggi - RISTEKDIKTI*) for the opportunity to join the World Class University (WCU) agenda.

Regan Leonardus Kaswanto  
Editor-in-Chief  
Proceeding the 2<sup>nd</sup> ISSLD 2016



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The banner features the following text and graphics:

- BOGOR AGRICULTURAL UNIVERSITY 2016 9-10 NOV**
- Department of Landscape Architecture proudly present **2<sup>nd</sup> International Symposium for Sustainable Landscape Development**
- IICC Botani Square Building 2<sup>nd</sup> Floor, Bogor-Jawa Barat-Indonesia
- SYMPOSIUM** logo with a stylized bird and city skyline.
- Presented papers will be published on Proceedings of IOP Conference Series: Earth and Environmental Science with financial support from Directorate of Research and Innovation (DR) IPB.
- Logos for **IPB**, **esri**, and **Sentul City**.
- Panel of speakers: Dr. Bima Arya Sugiarto (City Mayor of Bogor), Damian Tang, MLA (President of IFLA APR), LAr. Dr. Nor Atiah Ismail (Univ. Putra Malaysia), Prof. Dr. T. Kobayashi (Chiba University, Japan), Dr. Ir. Siti Nurisjah, MSLA (IALI / ISLA), Ir. Canserina Kurnia, MLP (Esri Global Asia Pacific), Keith Steven Muljadi (Sentul City).
- Topics: Green Landscapes • Socio - Economic - Cultural Landscapes • Landscape Planning and Design.

The 2<sup>nd</sup> International Symposium for Landscape Sustainable (The 2<sup>nd</sup> ISSLD)



The Opening Ceremony



All participants take a photo session together



All keynote and invited speakers are discussing their ideas.



Mayor of Bogor City is giving a keynote speech.



Bogor City towards Sustainable Landscape Development.



Invited speakers are giving their presentation.



Giving appreciation to invited speaker for their presentation.



Excursion activity in Bogor Regency.