Preface

This proceeding consisted of peer-review papers from the Second International Seminar on Civil and Environmental Engineering (ISCEE) 2021, which was organized by the Department of Civil and Environmental Engineering, in collaboration with the Department of Civil and Environmental Engineering, Ehime University, Department of Civil Engineering Halu Oleo University, Department of Civil Engineering Hasanuddin University, Department of Civil Engineering Udayana University, and Department of Civil Engineering Padang State University on September 6th – 8th, 2021. This conference expressed our concern for establishing and developing aspects related to sustainable infrastructure and environmental development. The scope of this seminar includes, but not limited to:

a. ISCEE 1: Sustainability Structure and Infrastructure on Civil Engineering & Innovation Material for Civil and Environmental Engineering
b. ISCEE 2: Environmental Engineering, Technology and Management
c. ISCEE 3: Water Resource Engineering & Agricultural Infrastructure and Technology
d. ISCEE 4: Spatial Modelling and Analysis & Building Information Modelling
e. ISCEE 5: Geotechnical Engineering

This conference had gathered the plenary sessions presented by one honorable keynote speaker and five distinguished invited speakers during the conference from Japan, China, Taiwan, South Korean, and Indonesia on interesting topics such as Infrastructures Construction during Covid-19 Pandemic delivered by Minister of Public Work and Housing of Indonesian, Dr. Basuki Hadimuljono; Sustainable Environmental Development in Indonesia delivered by Prof. Arief Sabdo Yuwono from IPB University, Indonesia; Bacterial-based cement for sustainability and protecting heritage building delivered by Prof. Varenyam Achal from Guangdong Technion – Israel Institute of Technology (GTIIT), China; Application of Blockchain based technologies delivered by Prof. Yu-Pin Lin from National Taiwan University, Taiwan; Bio-Polymer-based Soil Treatment (BPST) - A new Challenge for Sustainable Geotechnical Engineering delivered by Prof. Ilhan Chang from Ajou University, South Korea and Effectiveness of Groundwater Usage Planning for Conservation of Shallow Groundwater Quality in kyoto Basin, Japan delivered by Prof. Minoru Yoneda from Kyoto University, Japan.
The 2nd ISCEE 2021 had organized successfully with 77 presenters and more than 350 participants from around the world. A total of 110 research articles were submitted and 71 papers had been accepted by the peer review process to be processed to IOP Conferences Series: Earth and Environmental Science (EES) for publication.

We would like to express our sincere gratitude to scientific committees, reviewers, and all participants. The acknowledgment is mainly addressed to keynotes and invited speakers, presenters, and moderators for this conference.

**Virtual Disclaimer for ISCEE 2021**

Due to the highest pandemic of COVID-19 and travel restriction across the world, this conference was held in virtual mode using Zoom platform on September 6th -8th, 2021. In order to ensure the quality of this virtual conference, the committees provide a control system, such as:

1. Providing a virtual conference guideline for keynote speakers, invited speakers, presenters, and all participants. This guideline consisted of general information, instruction, role, and contact.
2. Conducting Dry Run Sessions. This session was conducted several times, starting 2 times by committee and final dry run with all presenters. This session was performed 2 days before the event started, which was September 4th, 2021.
3. Ensuring all presenters make a live presentation. The committees made an announcement that all presenters should make a live presentation and online during the Q&A session.

The detailed related to this control system was depicted in the virtual conference guideline (please see the supplementary materials).

This conference had one keynote speaker and five invited speakers from around the world. Keynote and invited speaker delivered a speech for 1 hour and 40 minutes duration for each speaker in plenary sessions, respectively. At the end of the plenary session, Q & A session was opened for 15 minutes.

A total of 5 parallel sessions were arranged for the paper presentation with a total of 77 presenters. Each parallel session is moderated by Chair, Co-Chair and 3 room assistants. All the presenter has 10 minutes for presentation and continued by Q & A Session for 3 minutes. During the presentation, all participants can ask the question using the chat menu or directly after “raise hand” and allowed by Chair or Co-Chair. Co-Chair also provided a report composed of the Q&A notes.
and screen shoot of all and each presenter (please see the gallery and supplementary materials or visit our website at https://iscee.ipb.ac.id/gallery)

To ensure the quality of the paper, all submitted papers were initially screened for plagiarism using Turnitin application. The paper should have similarity index of less than 20% for a further review process. For the paper with the similarity index between 20-30, the paper was returned to the author for re-write and request re-submitted again. Meanwhile, the paper with more than 30% similarity index was returned to the author (rejected). At least 2 reviewers reviewed all the passed papers by Turnitin for each paper. The reviewers provided a review report and submitted to the editor. Then, the editor sent the report to the author and requested to submit a revised manuscript considering the reviewers’ comments. The review process had conducted 1-3 round review and continued by camera-ready paper supervised by Editors.

Best regards,

Dr. Eng. Heriansyah Putra, S. Pd., M. Eng.
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