

Preface

The 1st International Conference on Urban Disaster Resilience (ICUDR) 2019 was organized by the Engineering Faculty of Tadulako University. The ICUDR implementation was carried out based on the disaster-prone conditions of Palu Bay. It is hoped that this conference will get many inputs from experts related to buildings or infrastructure that are strong and resistant to earthquakes and other natural disasters.

This activity should have been carried out in November 2018. However, due to the earthquake, tsunami, and liquefaction that occurred on 28 September 2018, this activity was delayed and finally implemented on April 24 to 27 2019. There were eight keynote speakers from various countries, namely Prof. Zhen-jiang Shen (Institute of Science and Engineering Japan), Prof. Sakti Adji Adismita (Faculty of Civil Engineering, Hasanuddin University, Indonesia), Prof. Teuku Faisal Fathani (UGM, Indonesia), Ms. Michele Daly MSc (Senior Disaster Risk Management Scientist, GNS Scientist), Onno W Purbo Ph.D. (Strategic Advisor and Representative Deltras Indonesia), Prof. Yoshihiro Narita (JICA Academy Advisor, C-BEST, Prof. Emeritus of Hokkaido, Japan), and Prof. Masakatsu Miyajima (Kanazawa University, Japan).

The conference proceeding is divided into 7 topics as follows.

1. Instrumentation and Control System
2. Disaster Management
3. Renewable Energy
4. Water Science and Engineering
5. Sustainable Construction Materials
6. Geotechnical Engineering
7. Urban Sustainable Planning

The Conference Committee is very grateful to all parties who have supported the holding of this international event. The success of this activity has been supported by many parties, including the Rector of Untad, the Governor of Central Sulawesi Province, the Mayor of Palu City, the Regent of Donggala Regency, the New Zealand Embassy in Indonesia, PT Indonesia Morowali Industrial Park (IMIP), Syariah Mandiri Bank of Palu City Branch, Panin Bank of Palu City Branch, SPSD, FDTI, Kanazawa University Japan, Hasanuddin University, UGM, GNS, Deltares, StIRRRD, JICA, IKA Teknik Untad, as well as many other parties.

The Conference Committee would like to appreciate all the reviewers for their earnest efforts in making and improving the quality of their writing according to the publisher's template and according to the recommendations for corrective corrections from reviewers.

Dr. Syamsul Arifin, M.Sc
The Conference Chair