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Preface

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Preface

Following up on efforts to improve the quality and quantity of international publications of lecturers and students of UPI (Indonesia University of Education) Postgraduate Schools, Master Program in Chemistry, Physics, Biology, Science and Mathematics Education and Doctor Program in Science and Mathematics Education collaboratively conducted International Conference on Mathematics and Science Education 2019 on Saturday 29 June 2019 at the Grand Mercure Setiabudi Bandung.

The theme of the conference was "Mathematics and Science Education Research for Sustainable Development", with coverage of Mathematics Education, Physics Education and STEM (Science, Technology, Engineering and Mathematics).

The main objective of this conference is to improve the academic atmosphere within the UPI environment, particularly at the UPI Postgraduate School and strengthen the lecturer and student publications through the International Conference on Mathematics and Science Education (ICMScE)2019. Specific objectives to be achieved regarding this conference are (1). Increase the number of scientific publications of lecturers and Postgraduate students in conference proceedings, and (2). Increase the number of citation index lecturers and students of the UPI Graduate School in the Master Program in Chemistry, Physics, Biology, Science and Mathematics Education and Doctor Program in Science and Mathematics Education.

At the Main Session, presentations were held and presentations were followed by discussions from 5 Keynote Speakers namely Prof. P. John Williams from Curtin University Australia, Prof. Kin Eng Chin from Flinders University Australia, Prof. Jun-Ki Lee from Chonbuk National University of South Korea, Prof. Shein Shin from Chungbuk National University in South Korea and Prof. Minshu Ha from Kangwon National University of South Korea. The Plenary Session has presented a presentation followed by discussion from 5 Invited Speakers namely Prof. Liliyasi (Chemistry Education), Prof. Nuryani Rustaman (Biology Education), Prof. Ari Widodo (Science Education), Dr. Parsaoran Siahaan (Physical Education) and Dr. Al-Jupri (Mathematics Education). At the Parallel Session, presentations and presentations were held followed by discussions from 269 presenters (263 presenters from Indonesia, 3 presenters from South Korea, 1 from Thailand, 1 from Malaysia, and 1 from Britain). At the Session Poster 139 presenters were present and presented the poster. The total participants were 423 people with the number of presenters as many as 408.

I would like to thank those who supported ICMScE 2019, especially the advisory board, scientific committee, and organizing committee for their invaluable contribution in organizing the conference and in the peer-reviewing process of selected papers. I sincerely hope that ICMScE 2019 had been a forum that facilitated excellent discussions for improving the quality of research and development of science education that promoted collaborative researches among participants.

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