

Preface

Dean's Greeting

Bismillahirrahmanirrahim.

Assalamu alaikum warahmatullahi wabarakatuh

Good Morning Ladies and Gentlemen.

I would like to take this opportunity to express my sincere appreciation to all keynote speakers and invited speakers for accepting our invitation to share their research findings and best practices here, in the 3rd ICMSTEA and 1st ISGMT. We do hope that the best practices in the field of Mathematics, Sciences, Technology, and Education can be well communicated among researchers and academics gathered in this conference. I would also like to take this opportunity to thank the Chair of ICMSTEA committee for organizing this special event to form a platform for networking as well as the exchange of lessons learnt and best practices.

Ladies and Gentlemen,

Implementation of the 3rd ICMSTEA and 1st ISGMT is not only expected to be a forum for disseminating the results of the latest findings in the field of each study, but also expected to be a networking forum for academics and researchers. We hope that the meeting of researchers and academics from various institutions in this place can be a starting point for future collaborations.

Behind the implementation of these activities, there are hard work, commitment and outstanding cooperation of the executive committee. Therefore, to the whole team of the executive committee, I really thank for your hard work and enthusiasm for the success of the 3rd ICMSTEA and 1st ISGMT.

Finally, as the Dean of the Faculty of Mathematics and Natural Sciences, Universitas Negeri Makassar, I want to congratulate you all for participating in ICSMTEA and ISGMT 2018. Welcome to the city of Makassar, hopefully this activity can bring benefit for all of us.

Wassalamualaikum Wr. Wb.

Remarks of the Chairman
The 3rd ICMSTE A and the 1st ISGMT 2018

Assalamualaikum warahmatullah wabarakatuh.

Alhamdulillah, all praises belong only to *Allah Subhanahu Wa Ta'ala* which always give His grace and guidance so the 3rd ICMSTE A and the 1st ISGMT 2018 which organized by the Faculty of Mathematics and Natural Sciences, Universitas Negeri Makassar can be held. Greetings and blessings aimed to the Messenger of Allah, Prophet Muhammad and the entire family and friends.

As the chair of the committee of the 3rd ICMSTE A and the 1st ISGMT 2018, I would like to deliver my highest appreciation to the *Keynote Speakers*, Dato' Professor Dr. Zul Azhar Zahid Jamal, Dr. Saleh Abdurrahman, M.Sc, Assoc. Prof. Dr. Andriana Surleva and all the invited speakers who have been willing to spend their time to share their knowledge, perspectives, and best practices to all the participants of the 3rd ICMSTE A and the 1st ISGMT 2018.

The 3rd ICMSTE A and the 1st ISGMT 2018 aimed to provide the chances for researchers and academics to share and discuss the latest findings in their field of expertise, thus it will also provide the chance for students to gain more insight on the development of knowledge in the realm of science. Besides keynote speakers and invited speaker session, there will be a parallel session where researchers can share their latest findings. The parallel session will be divided into several groups based on the topic of their study, including Mathematics, Physics, Chemistry, Biology, Education, and related fields. The I do hope that the knowledge and experience of all the speakers who participated in this forum would be beneficial in supporting the dissemination of the latest research findings, thus strengthen the position of the field of study as one of the answers in solving problems in the community.

On behalf of the committee of the 3rd ICMSTE A and the 1st ISGMT 2018, I do apology for any inconvenience you may experience during your time in this event. Hopefully, all participants can enjoy the knowledge sharing of the conference as well as the atmosphere and the friendliness of Makassar.

May Allah bless our activities.

Waalaikumussalam Warahmatullahi Wabarakatuh.

Chair of the committee,

Drs. Subaer, M.Phil., Ph.D.