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## Preface

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## Preface

It is a very great privilege for Faculty of Mathematics and Natural Science (FMIPA) Universitas Negeri Semarang to host the 6th International Conference on Mathematics, Science, and Education (ICMSE 2019) in Semarang, Central Java, Indonesia on 9-10 October 2019. We are honored to have the opportunity to work with Indonesian Chemical Society, Indonesian Physical Society, Indonesian Biology Society, Association of Computer Science Higher Education, Indonesian Mathematical Society, and Indonesian Educator Science in this forum. In 2019, our theme of “Commercializing Innovative Research in Science, Mathematics, and Education for Addressing Industrial 4.0 Era” celebrates the annual conference to provide a platform to the researchers, experts and practitioners from academia, governments, NGOs, research institutes, and industries to meet and share cutting-edge progress in the field of mathematics, natural science, and science education. Also, this event provides an opportunity to enhance understanding of relationships between knowledge and research in the scope of Mathematics, Biology, Chemistry, Physics, and Science Education.

The committee of ICMSE 2019 would like to express the sincere gratitude to the keynote speakers and all authors of the contributed papers in the conference proceedings. Moreover, would like to thank the expert reviewers for reviewing the manuscripts. We also highly appreciate the assistance offered by many volunteers in the preparation of the conference and the proceedings, and of course, to the sponsors assisting in funding this conference.

The committee selected the papers and reports findings presented in this forum to be published in **Journal of Physics: Conference Series (IOP Publishing)** indexed in some databases, including the Conference citation index, Scopus, Chemical Abstracts Service, and Astrophysics Data System. We hope that this program will expand the mutual understanding and respect in stimulating research in Mathematics, Science, and Education; share research interest and information, and create a form of collaboration and build a trust relationship. We are delighted to be able to show the world what recent developments in the field of Mathematics, Natural Science, and Science Education through this fruitful program.

Chairperson,

Dr. Jumaeri, M.Si.



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**Dr. Jumaeri (Chairperson ICMSE2019)**



**Opening ceremony**



**Welcoming speech from Academic Deputy of UNNES, Prof Dr. Zaenuri**



**Group photo session**



***The participant***



***Keynote session from Prof. Dato' Dr. Muhammad Yahaya***

