

Preface

It is a true pleasure for me to welcome you to the “International Conference on the Frontiers in Molecular Sciences”, here at the Institut Teknologi Bandung. We, the organizing committee, are very grateful indeed to the presence of Prof. Bernard L. Feringa, the Nobel Laureate in Chemistry 2016, for taking time off from your busy schedule to attend this conference. We also wish to thank the plenary and invited speakers: Dr. Yong Jia from Novartis, USA, Prof. Yasuo Norikane from Japan, Prof. Won Koo Lee from South Korea, Dr. Keni Vidilaseris from Finland, Prof. Adel Zamri from Riau, Indonesia, and more importantly Dr. Lia Dewi Juliawaty and Dr. Veinardi Suendo from ITB, for agreeing to participate and present their achievements in this conference.

Chemistry is a mature science that has developed over more than 200 years. It provides understanding of the properties of atoms and molecules and practical methods for creating new molecules or substances that may find useful applications. Not only that, Chemistry also provides fundamental understanding of the materials at molecular levels, and in this sense, Chemistry interacts with the core of other disciplines, ranging from molecular biology, material science, to nanoscience. Chemistry is also practical and omnipresent, playing key roles in combating diseases, solving energy problems, supporting information sciences, addressing environmental challenges, and providing discoveries that generate new breakthrough and industries.

In this conference, we highlight recent developments in Chemistry related to the organic compounds that has properties of motion, switches, and motors, in one hand; and in the other the organic compound for biologically active principles as enzyme inhibitors. Besides that, the unique structure of inorganic material will be presented, along with the inorganic nanomaterials for biological and environment applications. Simple organic synthesis using environmentally benign organic reaction is also included. We hope that these topics will broaden our knowledge in Chemistry and inspire the audiences, particularly the young chemists and related scientist, who gathered here at ITB. In addition, the conference also presents around 100 posters on various topics of chemistry.

This conference is a part of 100 years of ITB commemoration on Technical Education in Indonesia and is also conducted in collaboration with Organic Division of Indonesian Chemical Society. Financial supports from many sponsors are highly appreciated.

We wish the audiences a most fruitful day with interesting and stimulating discussions and exchange of knowledge so that we can, together, envisage the future of molecular sciences for the benefit of humankind.

Yana Maolana Syah
Chairman of ICFMS

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