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Preface

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PREFACE

It is with great pleasure that I introduce the proceedings of the **2nd International Conference on Advance Engineering and Technology (ICATECH 2020)** is an international seminar organized by Institut Teknologi Adhi Tama Surabaya (ITATS). ITATS is private university located in Surabaya, East Java, Indonesia. The conference is held on September 26th 2020.

This seminar has the main purpose to bring researcher and scholar to share their knowledge and experience in Material, Metallurgy, Energy, Design, Engineering, Applied Science, Information System and Technology area. The conference serves as an excellent opportunity to meet each other and to exchange ideas with theme of **“Empowering Research and Innovation for Sustainable Technology”**.

The conference is initially planned to be an offline meeting in the venue, but within the outbreak of COVID-19, it is changed into a virtual conference instead of being postponed. The conference is organized through online virtual mode using Internet Communication Technologies (ICT) via Zoom. Authors shared the screen and attendees could discuss their work via online platform. Overall, the conference was held successfully through the platform. Our conference committee and authors were dedicated to support the success of the seminar.

The conference program is consisted of keynote speaker session and oral presentation session. The Distinguished Professor from Taiwan and Korea were invited to be our keynote speaker regarding their latest research in their respective areas of expertise in 45 minutes of presentation. After keynote speaker session was done, it continued to oral presentation session for selected paper. The participants were divided into 3 room of Zoom with respect to topic areas and were given 15 minutes time to present their work, following by questions and answers. One excellent presenter will be chosen among them, depending on the technical merit, presentation file, Language fluency, and application etc for the best paper award. It is worth the option of virtual participation that allows expanding the geography significantly and increasing the number of participants. More than 200 participants participated in the conference and 66 papers from different countries are selected for presentation during the conference sessions.

We thank all of reviewers for their time and effort in reviewing the papers even in the COVID-19 pandemic situation, as well as the authors, who took into account recommendations of reviewers and improved their papers to ensure the publication high quality in IOP Conference Series: Materials Science and Engineering Series.

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On behalf of ICATECH 2020 Organizing Committee

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