

## Preface

We would like to start by expressing our gratitude to all attendees of the 6<sup>th</sup> International Conference on Advance Materials Science (ICOAMS 2023), which took place on August 23-24, 2023, at Universitas Muhammadiyah Surakarta, Indonesia. This event was organized in conjunction with The 9<sup>th</sup> International Summit on Science, Technology and Humanity (ISETH 2023).

The conference presentations were conducted in a hybrid format this year. The primary objective of the conference was to facilitate the gathering of academic scientists, engineers, and industry researchers, enabling them to exchange and disseminate their experiences and research findings pertaining to various facets of material sciences. Additionally, the conference aimed to address the practical obstacles encountered in this field and the corresponding solutions that have been implemented.

We were optimistic that all interactions would meet technological standards, and we seized the opportunity to establish connections with researchers from different countries.

The ICOAMS 2023 conference proved to be intellectually entertaining and educational, with a distinguished keynote speaker hailing from Malaysia. We extend our sincere appreciation to Prof. Shah Nor Basri, Ph.D, a distinguished keynote speaker from Universiti Muhammadiyah Malaysia (UMAM), for graciously imparting his expertise and valuable perspectives on the utilization of natural fiber.

We would also like to express our gratitude to the staff of the organization, as well as the members of the program committees and reviewers who have dedicated significant effort towards the evaluation of academic papers, providing authors with constructive input aimed at enhancing the quality of their written work. Furthermore, we express our gratitude to the authors for their submission of the study findings to the conference.

We saw it as a source of satisfaction and honor to present the most cutting-edge developments in the domains of ICOAMS 2023.

Chairman: Prof. Dr. Sarjito

Co-Chairman: Prof. Dr. Waluyo Adi Siswanto

Co-Chairman: Assoc. Prof. Dr Mohammad Sukri Mustapa

Co-Chairman: Assoc. Prof. Dr. Agus Dwi Anggono

Co-Chairman: Assoc. Prof. Dr.Tri Widodo Besar Riyadi

## Committee

### Conference Chairs:

Prof. Dr. Sarjito

Prof. Dr. Waluyo Adi Siswanto,

Assoc. Prof. Dr Mohammad Sukri Mustapa,

Assoc. Prof. Dr. Agus Dwi Anggono,

Assoc. Prof. Dr.Tri Widodo Besar Riyadi,

### Tracks:

Track 1: Metallurgy and Materials Science

Track 2: Nanomaterials and Nanotechnology

Track 3: Characterization and Testing of Materials

Track 4: Biomaterials, Energy materials and Advance Materials

Track 5: Computational Materials Science

## Venue

### Office of Collaboration and International Affairs

7<sup>th</sup> floor, Siti Walidah Building

Universitas Muhammadiyah Surakarta

### Address:

Jl. Ahmad Yani Tromol Pos 1, Pabelan, Kartasura, Surakarta 57162, Jawa Tengah, Indonesia



### Hybrid Conference

Online presentations were conducted via Zoom

