

Proceedings of the 3rd Sriwijaya International Conference on Basic and Applied Sciences

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SICBAS 2023

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Preface

We are delighted to introduce the proceedings of the third Sriwijaya International Conference on Basic and Applied Sciences (SICBAS 2023). The SICBAS 2023 is a biennial international conference carried out regularly by Universitas Sriwijaya since 2018. Under the theme of the conference "Research Challenges in Mathematics and Sciences for Sustainable Development" with the sub-themes Mathematics and Its Applications, Physics and Applied Physics, Chemistry and Applied Chemistry, Biology and Applied Biology, Marine Science, Pharmacy, Environmental Sciences, and Basic Science Education.

This conference features four keynote speeches delivered by Prof. Dede Djuhana, M.Sc., Ph.D, Department of Physics, University of Indonesia; Prof. Dr. Che Abd. Rahim Mohamed, Universiti Kebangsaan Malaysia, Malaysia; Prof. Dedi Rohendi, M.T., Ph.D, Department of Chemistry, Universitas Sriwijaya; Prof. Dr. Yeong Yik Sung, Universiti Malaysia Terengganu, Malaysia and five invited speeches by Prof. Karma Dajani, Department of Mathematics, Universiteit Utrecht; Prof. Charles Taylor, University of Leeds, United Kingdom; Prof. Dr. Rudi Irawan, Dipl.Geotherm., M.Sc., Gunadarma University; Dr. Yosie Andriani, HS, Institute of Climate Adaptation & Marine Biotechnology, Universiti Malaysia Trengganu; and Ganies Riza Aristya, S.Si., M.Sc., Ph.D., Gadjah Mada University, Indonesia.

The conference has received 85 papers, whereby 34 papers have been accepted by the committees for presentation and to be included in the proceedings. These papers on various topics are divided into four parallel sessions in the conference which are Mathematics and Its Applications; Physics and Applied Physics; Pharmacy, Chemistry and Applied Chemistry; and Biology, Marine Science and Environmental Science sessions.

The 3rd SICBAS 2023 offers a special opportunity to bring together professors, researchers and scholars around the globe, and serves as a platform to deliver innovative research results and latest trends and development in the fields of sciences and technology. All accepted and presented papers in this conference will have the opportunities to be published in European Alliance for Innovation (EAI) Proceeding (EAI Computing and Communication in Emerging Regions – CCER Series). We also expect that the future SICBAS will be as successful and stimulating as indicated by the contributions presented in this volume.

Dr. Fitri Maya Puspita, M.Sc

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