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Preface

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Preface

The Faculty of Engineering, Universitas PGRI, Madiun organized the 1st International Conference on Engineering and Applied Science (ICEAS 2019) on 21st August 2019 in Madiun, East Java, Indonesia. The ICEAS 2019 aims to exchange knowledge and research finding among academicians, researchers, professionals, policy makers, and postgraduate students.

The awareness of research publication by lecturers, students, teachers, and practitioners in the Madiun area is still minimal. Because of that educational institution must be able to provide motivation and space for researcher to disseminate their research and accommodate the result of research that has been done. International Conference on Engineering and Applied Science or we call it ICEAS, is the first International Conference held by Engineering Faculty UNIPMA. This faculty have 5 departments, there are Informatics Engineering, Information System, Chemical Engineering, Industrial Engineering, and the last but not least is Electrical Engineering. This 5 departments are going through together to held this conference and brings the theme "Development of Engineering and Science Towards Revolution 4.0".

ICEAS 2019 was attended by 158 participants, and a total of 70 papers were presented and discussed. The papers were authored by researchers from Timor Leste, Japan, and Indonesia. All papers have been scrutinized by a panel of reviewers who provide critical comments and corrections, and thereafter contributed to the improvement of the quality of the papers. Based on the reviewer's reports, 70 papers were selected and eligible to be published in the proceeding

We sincerely express our gratitude to the international/national advisory committee, presenters, organizing committee members, session chairs, the Dean and all members of the Faculty of Engineering Universitas PGRI Madiun, student volunteers, participants, contributors and all the members ICEAS 2019. Last but not the least, we are thankful to IOP JPCS for producing the proceeding.

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