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Fostering Mathematical Thinking for Sustainable Development
Goals: Empowering Minds, Transforming Futures

Editors:

Mohamad Waluyo, Naufal Ishartono

Surakarta, November 11st 2024

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*“Fostering Mathematical Thinking for Sustainable Development Goals: Empowering Minds,
Transforming Futures”*

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PREFACE

Assalamu'alaikum Warahmatullahi Wabarakatuh

Alhamdulillah, we give thanks to Allah SWT for His grace, blessings, and guidance, enabling us to successfully organize the 2024 International Conference on Mathematics and Learning Research (ICOMER), hosted by the Mathematics Education Department of Universitas Muhammadiyah Surakarta, Indonesia.

The theme for this year is "**Fostering Mathematical Thinking for Sustainable Development Goals: Empowering Minds, Transforming Futures.**" The conference aims to provide a dynamic platform for researchers, educators, and practitioners in the field of mathematics and mathematics education to exchange ideas, share their latest research, and explore innovative approaches to teaching and learning. Through this theme, we emphasize the vital role of mathematical thinking in addressing global issues and contributing to the Sustainable Development Goals (SDGs), aligning our efforts with the global vision for a sustainable and equitable future.

The ICOMER 2024 proceedings include a diverse range of papers presented at the conference, showcasing theoretical studies, empirical research, and practical applications in mathematics education. The collection reflects our commitment to enhancing mathematical literacy, problem-solving skills, and critical thinking to better equip learners for the challenges of the 21st century.

While we strive to ensure the quality of these proceedings, we recognize that there may still be areas for improvement. We warmly invite feedback, suggestions, and constructive criticism to help us enhance our future publications.

We hope this compilation serves as a valuable resource for readers, especially those committed to advancing the fields of mathematics and education. May it inspire further research, collaboration, and innovation, ultimately contributing to the transformative power of education.

Wassalamu'alaikum Warahmatullahi Wabarakatuh.

Chairman
Rini Setyaningsih, M.Pd.

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