

Proceedings of the 10th Annual International Seminar on Transformative Education and Educational Leadership

5 December 2025, Medan, North Sumatera Province, Indonesia

AISTEEL 2025

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Preface

It is with great honor and pride that we present the Proceedings of the **10th Annual International Seminar on Transformative Education and Educational Leadership (AISTEEL 2025)**, held in Medan, Indonesia. This year's seminar marks a significant milestone a decade of fostering intellectual discourse and promoting innovative solutions in the realm of global education.

The theme of AISTEEL 2025, "**Transformative Education and Leadership in the Era of Artificial Intelligence and Global Sustainability**," reflects the urgent need for the academic community to respond to the rapid integration of technology in the classroom. As we navigate the complexities of the 21st century, education is no longer just about knowledge transfer; it is about cultivating critical thinking, character, and adaptability.

This volume contains a diverse collection of research papers that address eight pivotal thematic areas:

1. **Curriculum, Research, and Development**
2. **Economics, Business, and Management Education**
3. **Education and Research Global Issues**
4. **Educational Policy and Administration**
5. **Innovative Educational Practices and Classroom Technology**
6. **Mathematics, Science, and Nursing Education**
7. **Social, Language, and Cultural Education**
8. **Future Models for Teacher Education**

The papers included in these proceedings have undergone a rigorous peer-review process to ensure academic excellence and practical relevance. They offer deep insights into how Artificial Intelligence (AI), Augmented Reality (AR), and localized wisdom can be harmonized to improve learning outcomes and organizational climate.

We would like to express our deepest gratitude to the Rector of Universitas Negeri Medan, the distinguished keynote speakers from across the globe, the organizing committee, and the reviewers for their tireless dedication. Most importantly, we thank the authors and presenters whose intellectual contributions are the heart of this seminar.

We hope that these proceedings will serve as a valuable reference for educators, researchers, policymakers, and students alike, sparking new ideas and collaborations that will shape the future of transformative education.

Medan, 05 December 2025

The Organizing Committee of AISTEEL 2025 Universitas Negeri Medan

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