

Series: [Advances in Social Science, Education and Humanities Research](#)

Proceedings of the 5th SEA-DR (South East Asia Development Research) International Conference 2017 (SEADRIC 2017)

The 5th South East Asia Development Research (SEA-DR) International Conference is a conference held by the Mathematics and Natural Science Education major, Teacher Training and Education Faculty, Universitas Lambung Mangkurat on 3–4 May, 2017 at Aria Barito Hotel Banjarmasin, Indonesia. This year's theme is "Developing Competitiveness and Creativity through Innovative Teaching and Learning" as nowadays globalization demands high competitive and creative young generation. In fulfilling this demand, the world of education is trying to improve the quality of teaching and learning at schools and universities through research. As one of the efforts, this conference plays role to create a venue for the exchange of knowledge, information, and best practices among teachers, lecturers, researchers, and practitioners as well as becomes the medium of publication of the research results worldwide.

This annual SEA-DR International Conference is our commitment in bringing together all the diverse best development research conducts and practices in natural science, physics, chemistry, biology, mathematics, computer, and other non-science fields to a forum of sharing, collaborating, and understanding. In this conference there are 140 submitted papers with 88 accepted papers for publication in the conference proceedings. In the review procedure, the papers were first reviewed by the content reviewers. Then, they were then sent to the language reviewers and finally to the template reviewers. In short, there were three reviewers who have reviewed the selected papers for publishing.

For the quality assurance, decision has also been made to involve the presence of highly distinguished speakers Prof. Dr. Kees Hoogland from SLO, Netherlands Institute for Curriculum Development, Dr. Abdul Halim Abdullah from Faculty of Education Universiti Teknologi Malaysia, Dr. Wanty Widjaja from Deakin University Australia, Prof. Dr. H. Ahmad Fauzan, M.Sc. from Universitas Negeri Padang, and Prof. Dr. Sutarto Hadi, M.Si., M.Sc. from Universitas Lambung Mangkurat.

At last, on behalf of the Organizing Committee, our sincere gratitude goes to everybody who is involved in this conference, the Rector of Universitas Lambung Mangkurat, the Dean of Teacher Training and Education Faculty, the Head of Mathematics and Natural Science Education Major, honorable speakers, distinguished delegates and guests, fellow participants, all the organizations involved in the conference: Utrecht University, Deakin University, Universiti Teknologi Malaysia, Universitas Lambung Mangkurat, Universitas Sriwijaya, and Universitas Negeri Padang, and last but not least all the Organizing Committee for their hard work during the preparation and the running of this conference. Let me finally wish you all the best in your active participation to share knowledge, practices, as well as establish relation to one another in developing competitiveness and creativity through innovative teaching and learning during this two-day International Conference for the betterment of the education.

The Editors

Dr. Chairil Faif Pasani
Dr. Atiek Winarti
Dr. Mustika Wati
Dr. Fatchul Mu'in

Atlantis Press

Atlantis Press – now part of Springer Nature – is a professional publisher of scientific, technical & medical (STM) proceedings, journals and books. We offer world-class services, fast turnaround times and personalised communication. The proceedings and journals on our platform are Open

▶ [PROCEEDINGS](#)

▶ [JOURNALS](#)

▶ [BOOKS](#)

▶ [ABOUT](#)

▶ [NEWS](#)

▶ [CONTACT](#)

Your Privacy

We use cookies to make sure that our website works properly, as well as some 'optional' cookies to personalise content and advertising, provide social media features and analyse how people use our site. By accepting some or all optional cookies you give consent to the processing of your personal data, including transfer to third parties, some in countries outside of the European Economic Area that do not offer the same data protection standards as the country where you live. You can decide which optional cookies to accept by clicking on 'Manage Settings', where you can also find more information about how your personal data is processed. Further information can be found in our privacy policy.

[HOME](#)

[PREFACE](#)

[ARTICLES](#)

[AUTHORS](#)

[SESSIONS](#)

[ORGANIZERS](#)

[PUBLISHING INFORMATION](#)

Your Privacy

We use cookies to make sure that our website works properly, as well as some 'optional' cookies to personalise content and advertising, provide social media features and analyse how people use our site. By accepting some or all optional cookies you give consent to the processing of your personal data, including transfer to third parties, some in countries outside of the European Economic Area that do not offer the same data protection standards as the country where you live. You can decide which optional cookies to accept by clicking on 'Manage Settings', where you can also find more information about how your personal data is processed. Further information can be found in our privacy policy.

[Accept All Cookies](#)

[Reject Non Essential Cookies](#)

[Manage Preferences](#)