



LP3M-UNAND



The 62nd Dies Natalis Event

CERTIFICATE

INTERNATIONAL CONFERENCE ON EDUCATIONAL DEVELOPMENT AND QUALITY ASSURANCE

"Improving Educational Quality Toward International Standard"

September 4th, 2018
Padang, West Sumatra, Indonesia

Institute of Educational Development and Quality Assurance (LP3M)

Presents this Certificate to:

Renny Eka Putri

as

Presenter



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LP3M-UNAND



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**Foreword by:
Rector of Universitas Andalas**

First of all, I would like to welcome you all to West Sumatra - Indonesia. We are delighted to have you here to participate and attend the first International Conference on Education Development and Quality Assurance (ICED- QA) in 2018. Thank you for coming. Some of participants come from long distance that make us realize how important this event is.

This conference facilitates an access of interaction among academics, researchers and policy makers in this region through plenary sessions, lectures and parallel paper presentations. Hopefully, everyone will get benefit from this event through sharing paper and experiences.

I would like to thank the Chair of the Institute of Educational Development and Quality Assurance (LP3M/Lembaga Pengembangan Pendidikan dan Penjaminan Mutu) Universitas Andalas, and the Organizing Committees that have been working hard to prepare this international academic event. For us, this event is also a part of activities included into 62 years Universitas Andalas contribution to this country. And I would like to thank the keynote speakers and also to the conference scientific committees.

Finally, let me reiterate my warm welcome to all of you to Universitas Andalas and I wish you all a very successful conference.

**Universitas Andalas,
Rector**

Prof. Tafdil Husni, SE, MBA, PhD

Foreword by:

Chair of the Institute of Educational Development and Quality Assurance

Ladies and gentlemen, it is an honor to welcome all of you here to the International Conference on Educational Development and Quality Assurance (ICED – QA) 2018, held by the Institute for Educational Development and Quality Assurance (LP3M/Lembaga Pengembangan Pendidikan dan Penjaminan Mutu) Universitas Andalas, Padang, West Sumatra- Indonesia. This first Conference is a continuation of National Seminar on Higher Education Development (Seminar Nasional Pengembangan Pendidikan Tinggi/SNMPTN) that routinely carry out by LP3M.

The Industrial Revolution 4.0 faced by the world requires labor forces who have innovation and entrepreneurial spirit, and have cognitive flexibility to deal with complexity. Many of them will be co-working not only with Man, but also robots. In accordance with this era, the Higher education institution must be able to produce highly creative graduates with the ability to think critically.

To respond to the industrial revolution 4.0, the higher education institutions must continue to play their role as the place for educating the future generation and for creating new innovations. They need to re-think the academic programs to be arranged in the future. The programs must be new, more flexible, practice-oriented, and relate to competency based learning which are needed to be certified.

Regarding to this new situation, LP3M – UNAND carries out this ICED – QA with the theme "Improving Educational Quality Toward International Standard". The conference brings together academics and professionals from various disciplines to share the latest research findings and brainstorm new research ideas. I have no doubt that it will provide an excellent platform for the participants to exchange experiences and explore new ideas in this important areas.

I would like to extend my sincere appreciation to keynote speakers: Mr. Johnson Ong Chee Bin, Mr. Baftiar Kuka, Professor Dr. Hajjah Nor Aziah Alias, Professor Arnulfo A. Azcarraga, and also Professor Satria Bijaksana for sharing valuable experience. A big thanksto the organizing committees for their untiring efforts in staging this extremely worthwhile event. I very much hope all the participants will find this conference both stimulating and rewarding. For participants, I wish them a most pleasant stay in Padang.

Regards,

Dr. Yulia Hendri Yeni, SE, MT, Ak

**Foreword by:
Conference Chair**

Welcome to all the delegates to Padang, the beloved city.

We are very happy to welcome you to the International Conference on Educational Development and Quality Assurance (ICED -QA) 2018. The conference is held by the Institute for Educational Development and Quality Assurance (LP3M/Lembaga Pengembangan Pendidikan dan Penjaminan Mutu) Universitas Andalas, Padang, West Sumatra - Indonesia.

This book is a compilation of the abstract of papers presented in the ICED – QA, with theme "Improving Educational Quality Toward International Standard" on September 4th 2018. This book consists of 78 abstracts divided into 5 sub themes; teaching method, assessment, quality assurance, technology application in teaching and others.

We hope that all the participants can capitalize this event and gain the benefit out of it.

Regards,

Delfia Tanjung Sari, SE, M.Si. PhD

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Study Effect of Computer-Assisted Cooperative Learning Methods on a Pilot Course for Engineering Economy

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ABSTRACT

Cooperative learning is a teaching-learning strategy that emphasizes joint attitudes or behaviors in working or helping among others in a regular group structure of cooperation, consisting of two or more persons. This objective of the research is Study Effect of Computer-Assisted Cooperative Learning Methods on A Pilot Course for Engineering Economy. This research is started by changing the previous method of learning theoretical to computer based. Then, at the end of the semester students are asked to fill in questioners to evaluate the implementation of the lecture. The results show that 93% of students stated strongly agree and agree that the learning process computer-based technical techniques currently help increase interest in learning. In conclusion, the application of computer-based cooperative method to technical economics course can increase student participation of lecture and also show increased participation of the student due to the dynamic learning situation when compared with previous learning. From the assessment result shows the application of this method can increase student's test score.

Keywords : -