

PROCEEDING

INTERNATIONAL CONFERENCE ON ELEMENTARY EDUCATION

“The Infusion of 21st Century Skills on Elementary Education”

Foreword

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Nanda William, S.Pd.



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ON ELEMENTARY EDUCATION**

**“The Infution of 21st Century Skills
on Elementary Education”**

**Elementary Education Study Program
School of Postgraduate Studies
UNIVERSITAS PENDIDIKAN INDONESIA**



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PREFACE



Assalamualaikum. Wr.Wb.

The 21st century is an era of rapid technological development on information. It affects the changes in life that are supported by the development of communication technology, especially in the field of computing. They are common conditions in the 21st century. These conditions clearly give changes to all aspects of the constellation of life. It's also on education, conditions in the 21st century provide a rapid change in education as well.

The rapid development of information and communication technology made the 21st century closely related to the word of *digital*. Digital competence or technically operating digital objects is the key of living in the 21st century. Furthermore, Binkley et al., completely explains the competencies needed in 21st century. They are skills of creative thinking, critical thinking, metacognition thinking, communication, collaboration, information literacy, ICT (*Information Communication Technology*), citizenship, working and career and also individual social responsibility. These skills are more familiar in the 4C designation, namely *Critical thinking and Problem Solving, Creative thinking, Collaborative, and Communicative*. I do believe that they must be able to be internalized as early as possible in education. Elementary school as the compulsory institution, is the most appropriate to build these skills. It is because elementary school is the first formal institution where to build competences and characters. Because of that, we took the initiative to organize an **international conference on elementary education (ICEE)** with the theme ***The Infusion of 21st Century Skills on Elementary Education***.

At this conference, we will have splendid keynote speakers from great cross-country and many presenters. We are grateful that our ideas have received a very good response from the society, especially those who care about elementary education. This seminar is attended by 170 participants and presenters. One hundred and forty of them are *call for paper* presenters. They come from many parts of Indonesia. There are also participants from abroad.

This seminar was held by Elementary Education Program, Postgraduate School, Universitas Pendidikan Indonesia. At this moment, let's me to deliver thanks to everyone for the contribution especially to *Rector of UPI, Director of Postgraduate School, Head of Elementary Education Program-Postgraduate School, speakers, moderator, presenters, and participants*. I apologize for the planning events which have not run optimally. I hope the conference would be benefit for us. Ameen.

Wassalamua'laikum Wr.Wb.

Bandung, 18 September 2018

Chief Executive of ICEE 2018

Yoga Adi Pratama, S.Pd.

PREFACE



Welcome to the 1st International Conference on Elementary Education (ICEE) 2018. It is an honor for us, the Elementary Education Study Program (EESP), Graduate School, Universitas Pendidikan Indonesia, to have you as our invited speakers, presenters, and participants coming from different parts of Indonesia and other countries. Welcome to Bandung, the land of Paris Van Java.

This conference elevates a theme “The Infusion of 21st Century Skills on Elementary Education.” This general theme is intended to accommodate various interests and expertise in the field of elementary education. Thus, discussions on elementary education in the framework of innovation will yield multifaceted outcomes. The researchers are expected to explain how innovation of their research can serve as a basis for improving the quality of elementary education. The practitioners are also welcome to share their best practices that will be beneficial for our future.

We are very grateful to have four keynote speakers that will certainly enhance our knowledge and understanding about the research and teaching related to the theme of this international conference. I would like to take this opportunity to thank them.

1. Prof. Dr. Bunyamin Maftuh, M.Pd., M.A. (Universitas Pendidikan Indonesia, Indonesia)
2. Prof. Hywel Coleman (University of Leeds, United Kingdom)
3. Dr. Syed Ismail Syed Mustapa (Institut Pendidikan Guru Kampus Ilmu Khas, Malaysia)
4. Hj. Ledia Hanifah Amalia, M.Psi (Komisi X DPR RI)

In this opportunity, I would also like to extend my gratitude to all presenters in parallel sessions and participants of this conference; you make this conference lively and vibrant. Thanks are also due to The Rector, vice Rectors, and the Director of Graduate school of Universitas Pendidikan Indonesia for their invaluable and continuous support to make this conference happen.

Bandung, 18 September 2018

The Head of EESP, Graduate School UPI

Dr. H. Paed. Wahyu Sopandi, M.A

PREFACE



Dear ICEE Presenters and Participants,

It is a great pleasure for me to welcome you all to the International Conference on Elementary Education (ICEE) 2018 hosted by Departement of the Elementary Education Study Program (EESP), Graduate School, Universitas Pendidikan Indonesia. The theme of this conference is on “Implementation of 21st Century Skills on Elementary Education” due to the urgent need to follow the issues and development of learning and teaching in elementary education in this 21st century. This Conference attempts to provide an academic forum where both presenters and participants can upgrade and refine their knowledge and skills as well as disseminate their insights, thoughts, and share their best practices relevant to the conference theme. The conference has subthemes that addressed to the 21st century skills as follow: Literacy in 21st Century’s Elementary Education, Curriculum Development for 21st Century’s Elementary Education, Assesment and Evaluation in 21st Century’s Elementary Education, Global Perspective on 21st Century’s Elementary Education, 21st Century’s Elementary School Teacher Education, Ecoliteracy Development in 21st Century’s Elementary Education, Multicultural Education and Inclusive Education in 21st Century’s Elementary Education.

This conference invites prominent scholars in teaching and learning skills for elementary education who share their insights and expertise addressing the conference theme. We proudly welcome to keynote speakers Prof. Dr. Bunyamin Maftuh, M.Pd., M.A. from Universitas Pendidikan Indonesia, Indonesia; Prof. Hywel Coleman from University of Leeds, United Kingdom; and Dr. Syed Ismail Syed Mustapa from Institut Pendidikan Guru Kampus Ilmu Khas, Malaysia; Hj. Ledia Hanifah Amalia, M.Psi from Komisi X DPR RI; also I would like to thank for ICEE Committee, Departement of the Elementary Education Study Program (EESP).

We are delighted to see many academics, researchers, teachers and students participating in this conferece. We strongly encourage all of you to take as much benefit as possible from this conference.

Have a great conference day.

Prof. Dr. H. Yaya Sukjaya Kusumah, M. Sc

Director of Graduate School, Universitas Pendidikan Indonesia

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