



MG Setos Hotel Semarang



Zoom Meeting



10 Juni 2023



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# PROCEEDING

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Promoting Educational  
Excellence to Shape  
the Future of Education



POSTGRADUATE SCHOOL  
UNIVERSITAS NEGERI SEMARANG



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## WELCOMING SPEECHES

### **The Chairman**

Arif Widiyatmoko, S.Pd., M.Pd., Ph.D

On behalf of the Steering Committee, I would like to express my gratitude for participating in this conference as the invited speakers, presenters, and also participants. We have been preparing for the conference for two months. In this short amount of time, we could collect a long list of participants and presenters from all over Indonesia. Let me report to you the whole conference affairs. We have six great invited speakers from six countries ranging from Indonesia, Singapore, Malaysia, Saudi Arabia, European Union, and the USA. We are thankful for your willingness to participate in this conference. Despite their tight schedules, these speakers spare their precious time for us.

We have received more than eight hundred applications; either as presenters or participants. They come from 22 provinces, such as Nanggroe Aceh Darussalam, Sumatera Utara, Riau and Kepulauan Riau, Jambi, Bengkulu, Lampung, all Java provinces, Nusa Tenggara Barat, Nusa Tenggara Timur, Kalimat Barat, Kalimat Tengah, Kalimantan Selatan, Sulawesi Selatan, Sulawesi Barat, Maluku, up to Papua and many more places that I cannot mention one by one. It shows us that a conference is a place that unites concerned academicians from all over the country to discuss the future of the coming generation through educational excellence.

On this occasion, we are not just listening to the talks. More than that, we aim to improve our education quality to reach its excellent goals of creating the golden generation. We hope that our discussion does not just end once the conference is over; it should reach real and concrete improvement for our country's future.

## **DIRECTOR** OF POSTGRADUATE SCHOOL

Prof. Dr. Fathur Rokhman, M.Hum.

The honorable Unnes's Rector, Postgraduate School's Vice Directors, the Postgraduate School lecturers and head of study programmes, the invited speakers, and all participants, welcome to our annual event: the 9th International Conference on Science, Education and Technology.

Today we have excellent speakers:

1. Prof. Dr. Jay K Rosengard from Harvard Kennedy School - Harvard University – the USA.
2. Associate Prof. Dr. Fonny Dameaty Hutagalung from University Malaya – Malaysia.
3. Dr Fabian Lim Chin Leong from NTU – Singapore.
4. Dr. Joseph George Mallia from Erasmus – European Union.
5. Dr. Sumanto Al Qurtuby from King Fahd University – Saudi Arabia.
6. Dr. Sandy Arief from Universitas Negeri Semarang.

As the Director of Postgraduate School of UNNES, we are proud to have this international conference. This year's ISET takes up the theme "Promoting Educational Excellence to Shape the Future of Education". Under such an umbrella term, hopefully this year conference could discuss not only the mainstream perspectives on Science, Technology, and Education for humanity, but also the many alternatives, especially about how to strive for excellence for better future.

To be chosen as presenters for the parallel presentation in this conference is a considerable achievement. I would like to congratulate the presenters who have been selected, as well as the reviewers who have chosen the successful presenters. Clearly not everyone interested in the chosen topic could attend this conference, so the conference proceedings will present to a much wider audience issues related to the topic. The proceedings is also a proof that the contributions of presenters are valued.

Semarang, 10 June 2023

Proceeding

<sup>9<sup>th</sup></sup>  
**ISET**

International Conference  
on Science, Education  
and Technology 2023



## RUNDOWN

Time	Activity	PIC
07.30- 08.00 AM	Registration & Video Playback	<ul style="list-style-type: none"> <li>• IT Team Meldy &amp; team Video</li> <li>• UNNES Graduate School Profile</li> <li>• UNNES profile</li> </ul>
08.00 - 08.10 AM	Opening ceremony Singing a national anthem "Indonesia Raya"	IT Team: Meldy & team MC: Martinda Intan
	Pray	MC: Martinda Intan
08.10 - 08.20 AM	Traditional Dance Performance "Manggar Mayang"	Coordinator Dr. Agus Cahyono, M.Hum
08.20 - 08.30 AM	Organizing Committee Report	ISET Chairman Arif Widiyatmoko, S.Pd., M.Pd., Ph.D.
08.30 - 08.40 AM	Opening remarks by Director of Graduate School of UNNES	Director of Graduate School Prof. Dr. Fathur Rokhman, M.Hum.
08.40 - 08.45 AM	Signing of Implementation of Arrangement	MC: Martinda Intan Prof. Dr. Fathur Rokhman, M.Hum. All Non Unnes Key Speakers: <ol style="list-style-type: none"> <li>1. Prof. Jay K. Rosengard, Harvard Kennedy School, Harvard University</li> <li>2. Dr. Fonny Dameaty Hutagalung, University Malaya, Malaysia</li> <li>3. Associate Prof. Fabian Chin Leong Lim, Nanyang Technological University</li> <li>4. Dr. Emmanuel Laryea, Monash University</li> <li>5. Prof. Sumanto Al Qurtuby, King Fahd University, Saudi Arabia</li> <li>6. Dr. Joseph George Mallia, Erasmus, European Union</li> </ol>

<b>Time</b>	<b>Activity</b>	<b>PIC</b>
08.45 - 09.00 AM	Keynote Speaker Rector Universitas Negeri Semarang. Prof. Dr. S Martono, M.Si.	IT Team Meldy & team
<b>Plenary Session 1</b>		
09.00 - 09.20 AM	Prof. Jay K. Rosengard, Harvard Kennedy School, Harvard University (Online)	Moderator
09.29 - 09.40 AM	Dr. Fonny Dameaty Hutagalung, University Malaya, Malaysia (Offline)	Moderator
09.40- 10.00AM	Associate Prof. Fabian Chin Leong Lim, Nanyang Technological University	Moderator
10.00 - 10.20 AM	Dr. Emmanuel Laryea, Monash University (confirmed)	Moderator
10.20 - 10.30 AM	Q & A	Moderator
10.30 - 10.35 AM	Token of Appreciation	IT Team Meldy & team MC Martinda Intan
<b>Plenary Session 2</b>		
10.35 - 11.55 AM	Prof. Sumanto Al Qurtuby, King Fahd University, Saudi Arabia (Online)	Moderator
11.55 AM - 12.15 PM	Dr. Joseph George Mallia, Erasmus, European Union (Online)	Moderator
12.15 - 12.35 PM	Sandy Arief, S.Pd., M.Sc., Ph.D. Universitas Negeri Semarang (Offline)	Moderator
12.35 - 12.40 PM	Q & A	Moderator
12.40 - 12.45 PM	Token of Appreciation	
12.45 - 13.45 PM	Lunch Break	
13.45 - 17.30 PM	Parallel Sessions	