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“Advanced Technology in Solving Contemporary
Multidisciplinary Issues towards a Sustainable
and Inclusive Future”

Volume 6, Issue 2



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Disclaimer

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Welcoming Remark from Rector of Universitas Serambi Mekkah

On behalf of Universitas Serambi Mekkah, I would like to express my great pleasure to welcome all of you to the 6th International Conference on Multidisciplinary Research (ICMR) of Universitas Serambi Mekkah. We are truly honoured and humbled by your attendance and enthusiasm to participate in this international event that has become our routine agenda.

This activity is an enormous collective effort from LPPM Universitas Serambi Mekkah and the organizing committee with the help of the Almighty God and the support of Serambi Mekkah Development Foundation (YPSM), structural leaders, sponsors and all relevant parties that allow us to provide an intellectual platform for everyone – researchers, students, and general public – to find updated information and exchange ideas on important issues in various fields.

As the world keeps changing, we need to keep adjusting ourselves to sustain the life of humankind. We need to think big and adopt the growth mindset because natural selection tends to occur to those who are stagnant and not in favour of changes. We should step out of our comfort zones, seek more knowledge, enhance our problem-solving skills, improve our methods, and create innovations to overcome the dynamic challenges, especially in the 4th industrial revolution era we're having today where everything changes rapidly.

The world has also become more connected today with technology, and the boundaries between countries seem getting more blurred. This offers an advantage for us to have emancipated learning, which is learning that is not limited socially, politically, and geographically. We should use this opportunity to develop ourselves personally and professionally, and this is why this year's international conference takes a theme: "Advanced Technology in Solving Contemporary Multidisciplinary Issues towards a Sustainable and Inclusive Future".

Thanks to all of our keynote speakers from six different countries, the organizing committee, presenters and participants for making this event happen. I officially open up this event and hope everyone benefits as much as possible.

Thank you very much.

Dr. Teuku Abdurrahman, S.H., SpN
Rector of Universitas Serambi Mekkah

Welcoming Speech The Chairperson of the 6th ICMR 2023

On behalf of the organizing committee, I would like to welcome all of you to the 6th International Conference on Multidisciplinary Research organized by Universitas Serambi Mekkah.

I would also like to express my deepest appreciation to our honourable keynote speakers from 6 different countries:

1. Professor Susan Ledger from University of Newcastle, Australia
2. Doug Lynch, Ph.D. from University of Southern California, USA
3. Associate Prof. Dr. Azimatun Noor Aizuddin from Universiti Kebangsaan Malaysia
4. Associate Prof. Dr. Gangaraju Gedda from Nitte University, India
5. Dr. Ditpon Kotatha from King Mongkut's University of Technology Thonburi, Thailand
6. Eka Marya Mistar, Ph.D. from Universitas Serambi Mekkah, Indonesia

I would like to take this opportunity to immensely thank all of the committee members for their hard work, commitment, and dedication in organizing this conference.

Alhamdulillah, in the 6th international conference this year, we received 65 papers, 150 participants, who come from different parts of Indonesia such as Sumatera, Java, Kalimantan, and Sulawesi, and overseas such as Malaysia, USA, Australia, Thailand, and India. Alhamdulillah, we are very proud because this conference was attended by presenters directly from Malaysia, Bandung, and Medan.

The theme of this year's conference is "Advanced Technology in Solving Contemporary Multidisciplinary Issues towards a Sustainable and Inclusive Future".

As we know, the rapid development of technology requires us as academics to be able to adapt to these changes and to support sustainable development goals of the world and every nations in every sector of life.

To survive, collaborations are highly needed and encouraged to address the challenges. Thus, through this event, we attempt to connect researchers, scholars, and the public from various disciplines to allow ideas exchange and find solutions to current problems.

It is also with great pleasure that we announce we have received a number of interesting papers from various fields of study. I believe that everyone will take advantage of this event to broaden their insights and knowledge. Finally, I wish all the best to the speakers, presenters, participants, and committee members.

Welcome everyone. Thank you.

Dr. Rini Sulastrri, M.Pd.
Chairperson of the 6th ICMR of Universitas Serambi Mekkah

Keynote Speakers



Doug Lynch, MBA., MPhil., PhD.
(University of Southern California, USA)
(Corporate Learning • Online Learning •
Education Entrepreneurship)



Professor Susan Ledger
(University of Newcastle, Australia)
(Education Policy & Practices impacting
Teacher Education in Diverse Contexts)



Assoc. Prof. Dr. Azimatun Noor Aizuddin
(Universiti Kebangsaan Malaysia, Malaysia)
(Clinical coding and casemix • Health
financing and hospital information system)



Dr. Eka Marya Mistar, ST, MT
(Universitas Serambi Mekkah, Indonesia)
(Activated carbon • Adsorption process •
Biopolymer • Biocomposite •
Nanomaterials)



Dr. Gangaraju Gedda
(Nitte University, India)
(Nano-Biomedician • Bio-sensor • Green
Synthesis • Photocatalysis and Anti-Oxidants)



Dr. Ditpon Kotatha
(King Mongkut's University of Technology
Thonburi, Thailand)
(Carbohydrate Technology and Starch
Chemistry • Chemistry and materials
Engineering • Biopolymers and Functional
Materials)

Keynote Speakers, Reviewer & Editors

1. Professor Susan Ledger (University of Newcastle, Australia)
2. Doug Lynch, Ph.D. (University of Southern California, USA)
3. Associate Prof. Dr. Azimatun Noor Aizuddin (Universiti Kebangsaan Malaysia)
4. Associate Prof. Dr. Gangaraju Gedda (Nitte University, India)
5. Dr. Ditpon Kotatha (King Mongkut's University of Technology Thonburi, Thailand)
6. Eka Marya Mistar, Ph.D. (Universitas Serambi Mekkah, Indonesia)
7. Dr. Rini Sulastri, M.Pd (Universitas Serambi Mekkah, Indonesia)
8. Septhia Irnanda, S.Pd., M.Tesol., Ph.D (Universitas Serambi Mekkah, Indonesia)
9. Sabrina, S.Pd, M.AppLing., M.Tran (Universitas Serambi Mekkah, Indonesia)
10. Cut Mulia Zuhra, M.Pd (Universitas Serambi Mekkah, Indonesia)
11. Muhammad Zulfajri, S.Pd., M.Sc., Ph.D. (Universitas Serambi Mekkah, Indonesia)
12. Nora Fitria., M.Pd (Universitas Serambi Mekkah, Indonesia)
13. Dr. Juli Firmansyah, S.Pd., M.Pd (Universitas Serambi Mekkah, Indonesia)
14. Faisal Anwar, S.Pd.I., M.Ed (Universitas Serambi Mekkah, Indonesia)
15. Marisa Yoestara, S.Pd., M.A (Tesi) (Universitas Serambi Mekkah, Indonesia)
16. Vera Viena, ST., MT (Universitas Serambi Mekkah, Indonesia)
17. Dr. Abubakar, M.Si (Universitas Serambi Mekkah, Indonesia)
18. Dr. Muhamad Saleh, M.Pd (Universitas Serambi Mekkah, Indonesia)
19. Munawir, S.T., M.T. (Universitas Serambi Mekkah, Indonesia)
20. Muhammad Azzarkasyi, M.Pd. (Universitas Serambi Mekkah, Indonesia)

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