

# PROCEEDINGS

## THE 2<sup>ND</sup> ASEAN UNIVERSITY SYMPOSIUM FOR SUSTAINABLE FOOD SYSTEM

*“Advancing Sustainable Food Systems in Asean  
Region for a Resilient and Inclusive Future”*

*Faculty of Economics and Management,  
Bogor, May 5 - 6<sup>th</sup> 2025*



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— Bogor Indonesia —



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## THE 2<sup>ND</sup> ASEAN UNIVERSITY SYMPOSIUM FOR SUSTAINABLE FOOD SYSTEM

*“Advancing Sustainable Food Systems in ASEAN Region for  
A Resilient and Inclusive Future”*

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**Layout & Cover Design**

: Muhammad Hafizh

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**Publisher:**

IPB University

**Editorial Staff:**

Jl. Agatis IPB Campus Dramaga  
Babakan, Dramaga, Bogor Regency

16680 West Java, Indonesia

Website: <https://fem.ipb.ac.id/>

Contact: +62 251 862 6631

Email : [fem@apps.ipb.ac.id](mailto:fem@apps.ipb.ac.id)



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# Proceedings of the 2nd ASEAN University Symposium on Sustainable Food System

*“Advancing Sustainable Food Systems in ASEAN Region for a Resilient and Inclusive Future”*

May 5-6, 2025

Faculty of Economics and Management, IPB University, Bogor, Indonesia

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## Preface

It is with great pleasure that we present the Proceedings of the 2nd ASEAN University Symposium on Sustainable Food Systems, held on May 5–6, 2025, at the Faculty of Economics and Management, IPB University, Bogor, Indonesia.

This symposium gathered scholars, researchers, students, and practitioners from across the ASEAN region and beyond to share ideas, research findings, and insights on the urgent challenges and transformative innovations within our food systems. With the theme of “*Advancing Sustainable Food Systems in ASEAN Region for a Resilient and Inclusive Future*”, the event offered a vibrant platform for interdisciplinary exchange across key areas including sustainable agricultural practices, digital innovation in food systems, food and nutrition security, climate resilience, community development, gender and youth inclusion, and sustainable consumption.

This proceeding compile selected full papers that have undergone a rigorous peer-review process. We are deeply grateful to our team of dedicated reviewers, many of whom are esteemed professors, for their valuable time, constructive feedback, and commitment to enhancing the quality of each submission.

We also extend our sincere appreciation to all the presenters, moderators, and participants who contributed to making this symposium a success. We are especially proud of the lively discussions and collaborative spirit that filled the sessions, both online and onsite, and we hope this proceeding will serve as a lasting resource and inspiration for future research and actions in the pursuit of sustainable food systems in the ASEAN region and beyond.

We acknowledge that organizing such an event would not have been possible without the hard work of the organizing committee, volunteers, and partners. May the knowledge shared here foster further collaboration, learning, and impactful solutions to our shared food system challenges.

Bogor, July 2025  
On behalf of the Organizing Committee,

Dr. Lukytawati Anggraeni, S.P., M.Si.  
Chairperson  
The 2nd ASEAN University Symposium on Sustainable Food Systems 2025



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## Acknowledgements

The Organizing Committee of the 2nd ASEAN University Symposium on Sustainable Food Systems 2025 would like to extend its heartfelt gratitude to all individuals and institutions whose support, contributions, and dedication made this event and the publication of this proceeding possible.

We express our deepest appreciation to the Faculty of Economics and Management, IPB University, for hosting the symposium and for the continuous support throughout the planning and implementation stages. Our sincere thanks also go to our collaborating universities and partners across ASEAN:

- i. Can Tho University (CTU), Vietnam
- ii. Chiangmai University (CMU), Thailand
- iii. Kasetsart University (KU), Thailand
- iv. Mahidol University (MU), Thailand
- v. National University of Laos (NUOL), Laos PDR
- vi. Royal University of Phnom Penh (RUPP), Cambodia
- vii. Universiti Islam Sultan Sharif Ali (UNISSA), Brunei Darussalam
- viii. University of Philippines, Los Banos (UPLB), Philippines
- ix. Universiti Putra Malaysia (UPM) & Universiti Putra Malaysia (Bintulu Campus )
- x. Vietnam National University of Agriculture (VNUA), Vietnam
- xi. Yezin Agricultural University (YAU), Myanmar

who have helped bring diverse perspectives and meaningful dialogues to the symposium.

We are especially grateful to our distinguished keynote speakers, plenary speakers, and session moderators who shared their insights and expertise, enriching the discussions on sustainable food systems.

- i. Prof. Brian Yulianto (Minister of Higher Education, Science, and Technology, Republic of Indonesia)
- ii. Prof. Dr. Ir. Nunung Nuryartono, M.Si (Deputy for Coordination of Social Welfare Improvement, Coordinating Ministry for Community Empowerment, Republic of Indonesia)
- iii. Datuk Amer Bukvić (Director and Resident Representative of Islamic Development Bank (IsDB) Regional Hub Indonesia)
- iv. Prof. Bayu Krisnamurthi (Professor at Faculty of Economics and Management, IPB University)
- v. Prof. Bustanul Arifin (Professor in Agricultural Economics, UNILA & Chair of Asian Society Agricultural Economist)
- vi. Prof. Christopher Bennett (Professor at Faculty of Land and Food Systems, University of British Columbia)
- vii. Dr. Yose Rizal Damuri (Director of CSIS)

We also acknowledge with great respect the reviewers, many of whom are respected scholars and professors, for their thoughtful, timely, and constructive reviews which ensured the quality and academic rigor of the papers selected for this proceeding.



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To all presenters and participants, we thank you for your active engagement, for sharing your research and experiences, and for contributing to the success of this symposium.

Special thanks are also due to the organizing committee, student volunteers, and technical teams, whose tireless efforts and behind-the-scenes work made the smooth running of the event possible, both online and onsite.

Lastly, we thank all those who we may not have mentioned by name, but whose support and encouragement have been invaluable in bringing this event and publication to fruition.

May this proceeding serve as a platform for continued dialogue, collaboration, and progress toward building more sustainable, resilient, and inclusive food systems in the ASEAN region and beyond.

**Bogor, July 2025**  
**On behalf of the Organizing Committee,**

**Dr. Lukytawati Anggraeni, S.P., M.Si.**  
**Chairperson**  
**The 2nd ASEAN University Symposium on Sustainable Food Systems 2025**

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## Editorial Note

It is with great pleasure that we present the *Proceedings of the 2nd ASEAN University Symposium on Sustainable Food System (AUSSFS) 2025*, held on 5–6 May 2025 at the Faculty of Economics and Management, IPB University, Bogor, Indonesia.

This symposium continues our collective effort to strengthen academic and institutional collaboration among ASEAN universities toward advancing the sustainability, inclusivity, and resilience of our regional food systems. With the theme “*Advancing Sustainable Food Systems in ASEAN Region for a Resilient and Inclusive Future*”, this year’s symposium brought together researchers, practitioners, and policymakers to exchange insights, share best practices, and explore innovative solutions for the transformation of food systems in the region.

The proceeding compiles selected papers presented during the symposium, covering diverse but interconnected topics such as sustainable agricultural practices, food and nutrition security, natural resource management, agribusiness digitalization, social inclusion, and Islamic social finance. Each paper has undergone a review process by our academic reviewers to ensure quality, clarity, and relevance.

We extend our heartfelt gratitude to all authors and reviewers for their invaluable contributions, and to the organizing committee and supporting institutions for their dedication and commitment in making this event a success. Our appreciation also goes to the keynote and plenary speakers for their inspiring insights that enriched the discussions throughout the symposium.

We hope this proceeding will serve not only as a scholarly record of the symposium but also as a meaningful reference for ongoing research, policy formulation, and collaborative action toward achieving sustainable food systems across ASEAN.

On behalf of the Editorial Team,

### Chief Editor

*Proceedings of the 2nd ASEAN University Symposium on Sustainable Food System 2025*  
Faculty of Economics and Management, IPB University

**Prof. Dr. Orachos Napisintuwong**  
Kasetsart University (KU) – Thailand



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