

Proceedings of the 2nd Faletehan International Conference

30-31 July 2025, Serang, Banten, Indonesia

FIC 2025

General Chairs

Ns. Eka Ernawati, S. Kep., M.Kep, Universitas Faletehan, Indonesia

Suhroji Adha, SE., MM, Universitas Faletehan, Indonesia

Technical Programme Chair

Wiwik Eko Pertiwi, SKM, M.KM, Universitas Faletehan, Indonesia

Conference Organization

Steering Committee

Assoc. Prof. Andiko Nugraha Kusuma, M.KM., Ph.D	Universitas Faletahan, Indonesia
Assoc. Prof. Ns. Fatoni, M.Kep., Ph.D	Universitas Faletahan, Indonesia
Hj. Titin Nasiatini, SH., M.KM., Ph.D	Universitas Faletahan, Indonesia
Assoc. Prof. Hj. Milawati Lusiani, M.Kep., Ph.D	Universitas Faletahan, Indonesia

Organizing Committee

General Chair

Ns. Eka Ernawati, S. Kep., M.Kep.	Universitas Faletahan, Indonesia
-----------------------------------	----------------------------------

General Co-Chair

Suhroji Adha, SE., MM	Universitas Faletahan, Indonesia
-----------------------	----------------------------------

Secretary

Hadi Subhan, SE., MM	Universitas Faletahan, Indonesia
----------------------	----------------------------------

Publication Chair

Ns. Nenden Lesmana Wati, S.Kep., M.Si., Ph.D	Universitas Faletahan, Indonesia
--	----------------------------------

Finance & Sponsorship

Dr. Ismarina, S.Si.T., Bd., M.Kes.	Universitas Faletahan, Indonesia
------------------------------------	----------------------------------

IT & Webinar Platform

Edi Suherlan, S.Kom., M.TI	Universitas Faletahan, Indonesia
----------------------------	----------------------------------

Event & Media

Fairus Sintawati, S.Pd., M.Pd	Universitas Faletahan, Indonesia
-------------------------------	----------------------------------

Technical Program Committee

Wiwik Eko Pertiwi, SKM, M.KM	Universitas Faletahan, Indonesia
Hadi Subhan, SE., MM	Universitas Faletahan, Indonesia
Hero Wirasmara Kusuma, SE., MM	Universitas Faletahan, Indonesia
Dede Brahma Arianto, S.Kom., M.Kom	Universitas Faletahan, Indonesia
Husnul Khotimah, MKM	Universitas Faletahan, Indonesia

Preface

We are pleased to introduce the proceedings of the second edition of the Faletahan International Conference (2nd FIC) 2025, published by the European Alliance for Innovation (EAI). This conference has brought together researchers, developers, and practitioners from around the world. In an increasingly complex world, no single field of study or profession can solve all problems independently. Global challenges such as climate change, food security, public health, and social inequality require a holistic and collaborative approach involving various fields, such as health, management, and technology. The theme of the International Conference on Interprofessional Collaboration in Research is "Improving Quality of Life through Multidisciplinary Studies."

The technical program of the 2nd FIC consists of 30 full papers, which were presented orally in the main sessions of the conference. The conference tracks included: Track 1 – Health; Track 2 – Management; Track 3 – Education and Track 4 – Engineering. In addition to high-quality technical paper presentations, the technical program also featured nine keynote speeches delivered by Prof. Dr. Stella Christy, Ph.D. (Deputy Minister of Higher Education, Science, and Technology – Indonesia), Prof. Datuk Dr. Hajjah Bibi Florina Abdullah (Malaysia), Dr. Neil Madulara Martin, RN, MAN, MBE, Ph.D. (Philippines), Prof. Dr. Avinash Pawar, PostDoc, Ph.D., MBA, B.E. (India), Prof. Ahmad Bukhori Muslim, Ph.D. (UPI Bandung – Indonesia), Assoc. Prof. Ns. Fatoni, M.Kep., Ph.D. (Faletahan University - Indonesia), Assoc. Prof. Hj. Milawati Lusiani, M.Kep., Ph.D. (Faletahan University - Indonesia), and Assoc. Prof. Mukhlisin, S.Pd., M.KM., Ph.D. (Faletahan University - Indonesia).

Coordination with the steering committee chairs, Assoc. Prof. Andiko Nugraha Kusuma, M.KM., Ph.D., Assoc. Prof. Ns. Fatoni, M.Kep., Ph.D., Hj. Titin Nasiatin, SH, M.KM., Ph.D., and Assoc. Prof. Hj. Milawati Lusiani, M.Kep., Ph.D., was crucial to the success of this conference. We truly appreciate their continuous support and guidance. It was an honor to work with the organizing committee team, who worked tirelessly to organize and support this conference. In particular, we thank the IT & Webinar Platform, Event & Media Organizing Team, led by Edi Suherlan, S.Kom., M.TI, Fairus Sintawati, S.Pd., M.Pd., and Technical Coordinator, Organizing Team Wiwik Eko Pertiwi, SKM, M.KM, who completed the peer review process for technical papers and compiled a high-quality technical program. We also thank the Co-Chair, Organizing Team, Suhroji Adha, SE, MM, for his support, as well as all authors who submitted their papers to the 2nd FIC 2025 conference.

We are confident that the 2nd FIC 2025 conference provides a good forum for researchers, developers, and practitioners to discuss aspects of science and technology relevant to health, management, and technology. We also hope that future FIC conferences will be as successful and interesting as demonstrated by the contributions presented in this volume.

Ns.Nenden Lesmana Wati,S.Kep.,M.Si.,Ph.D

Contents

Health

Sociodemographic factors associated with anemia among pregnant women in Indonesia: an analysis of data from the Health Social Security Administering Agency (HSSA) <i>Husnul Khotimah, Tris Eryando, Titin Nasiatin, Kety Soraya</i>	1
The Effect of Active Cycle of Breathing Technique (ACBT) Therapy on the Improvement of Oxygen Saturation in Pulmonary Tuberculosis Patients at Bojong Nangka Primary Health Center, Tangerang <i>Mochamad Ilham Febriansyah, Rina Milawati, Sudrajat Sudrajat</i>	13
The Relationship of Health Status, Fatigue Level, and Pesticide Exposure on Work Productivity Among Female Farmers <i>Nur Rohmah, Dina Lusiana Setyowati, Hanifa M Denny, Indah Fitri Astuti, Fatimah Fatimah, Agustin Putri Rahayu</i>	20
The Relationship between Loneliness and Self-Harm Behavior among Adolescents <i>Lenny Stia Pusporini, Rizqika Intannia, Alda Alda, Sigit Sigit</i>	28
Bridging Anatomy Education and Digital Literacy: Usability and Satisfaction of SAFA Web-Based Learning Among Undergraduate Nursing Students <i>Dewi Rahmawati, Eka Ernawati, Indah Dwi Astuti, Dede Brahma Arianto, Anisa Yulistriani, Muhamad Wahyu Ramdan, Nurhajjah Nurhajjah, Yurike Yurike</i>	33
The Relationship of Knowledge, Attitude and Menstrual Hygiene Management in Adolescent Women at “J” Middle School South Jakarta <i>Nurul Husnul Lail, Risza Choirunissa</i>	43
Factors Related to Maternal Knowledge about Colostrum at "M" Clinic in Pandeglang, Banten, November-December 2024 <i>Reny Widyasari, Anggarani Prihantiningih, Lilik Susilowati, Ella Nurlelawati, Haura Karlina</i>	49
Household Groundwater Contamination Of Heavy Metal In Pulomerak District, Cilegon City <i>Fauzul Hayat, Agung Budiyanto, Lia Nurlyana, Nurjaman Nurjaman, Trikawati Trikawati, Nia Kurniatillah</i>	65
The Relationship Between Parental Feeding Behavior and Household Food Security Status to The Incidence of Stunting in Children Aged 12 – 59 months in the Working Area of Kasemen Public Health Center <i>Sri Mujiyanti, Ida Maulida, Dini Rachmaniah, Lenny Stia Pusporini</i>	73
Community Development and Self-Empowerment Strategies to Improve Quality of life of Diabetes mellitus type 2 Patients <i>Samingan Samingan, Ambar Mudigdo, Endang Sutisna Sulaeman, Eny Lestari</i>	83
Psychometric Evaluation of the Indonesian SF-12 Health Survey among Informal Female Workers: A CFA Approach <i>Dina Lusiana Setyowati, Nur Rohmah, Hanifa M Denny, Indah Fitri Astuti, Fatimah Fatimah</i>	94

Optimizing Sea Cucumber Noodles as a Functional Food to Prevent Anemia and Support Bone Health in Adolescent Girls In Indonesia <i>Rugayah Said, Martha Irene Kartasurya, Sri Winarni, Tri Joko</i>	107
Father Involvement in the NICU: A Literature Review on Roles, Barriers, and Contributions to Infant Development and Attachment <i>Risna Yuningsih, Sri Mujiyanti, Alifa Salwa Chairunisa</i>	116
Interprofessional Approaches to Improve Tuberculosis Notification: A Systematic Review <i>Suryanti Chan, Hamzah Hamzah</i>	128
Factors Affecting Iron-Folic Acid (IFA) Supplement Consumption Behavior in Adolescent Women At Junior High School 1 Lebakwangi, Serang District <i>Anny Fadmawaty, Dian Ayubi, Humairoh Humairoh</i>	139
Family Support and Self-Efficacy in Hemodialysis Patients With Chronic Kidney Disease: A Cross-Sectional Study <i>Delita Salsabila Kumala Dewi Dewi, Musaddad Kamal, Elfina Yulidar, Mulhayati Mulhayati, Indah Febrianti</i>	149
Validation of the Indonesian WHOQOL-BREF Among Informal Workers: A Confirmatory Factor Analysis of Contextual Fit <i>Hanifa M. Denny, Nur Rohmah, Dina Lusiana Setyowati, Indah Fitri Astuti, Fatimah Fatimah</i>	156
The Effect Of Bounding Card On Maternal Motivation In Providing Stimulation For Toddlers Aged 6–24 Months At Home In Ciwaruga Village, 2025 <i>Fathia Rizki, Meita Dhamayanti</i>	166
The Relationship Between Age, Gender, Duration of Illness and Knowledge with Adherence of Diabetes Mellitus Patients <i>Ernawati Ernawati</i>	174
Comparison of Video and Leaflet Media on Chemical Laboratory Safety Knowledge Among Vocational High School Students in Serang <i>Annissa Annissa, Khaerun Naji, Puji Eka Mathofani, Henny Kurniati, Lani Febriani</i>	181
The Impact of Physical Housing Conditions on Acute Respiratory Infection Among Toddlers in Urban-Industrial Cilegon, 2025 <i>Sadya Bustomi, Farra Ruslaila</i>	189
Management	
The Impact of Fintech Use on The Financial Literacy Level of The Millennial Generation <i>Mira Nurhikmat, Enji Azizi</i>	200
The Influence of Ability and Training on Job Satisfaction among Lecturers at Private Universities in Banten Province <i>Djaka Adiwinata, Irawan Irawan, Venia Setyarandini</i>	206
Enhancing Satisfaction through the Implementation of 5R (Concise, Neat, Clean, Caring and Diligent) at Hospital, Indonesia <i>Hero Wirasmara Kusuma, Wiwik Eko Pertiwi, Andiko Nugraha Kusuma, Titin Nasiatin, Didi Wandu</i>	214

Implementation of Artificial Intelligence (AI) in Digital Marketing Management in the Era of 5.0 <i>Suhroji Adha, Fatoni Fatoni, Ratu Miki Yulieti Pertasari, Dadang Rochman, Rifki Qamarrulloh, Dwi Rahmi</i>	222
Education	
The Correlation Between Students' Reading Habit and Their Academic Achievement at The Eighth Students of Junior High School 14 Cilegon <i>Ulinuha Dahlina, Sitrotul Lailah</i>	227
Youtube Kids and Children's Digital Literacy: A Qualitative Study on the Utilization of "Omar and Hana" Animated Content <i>Fairus Sintawati, Peni Astuti</i>	236
The Implementation of Digital Technology in ELT Classrooms <i>Ratih Ayu Wulandari</i>	243
Engineering	
Digitalization to Reduce Office Paper: A Path Toward Sustainable Hospital on Cost Efficiency and CO Emission Reduction Through Kaizen-Based Green Intervention <i>Dana Nasihardani, Hendri Pujianto, Setiawan Setiawan</i>	256
Spatial Routes of Baduy Community Activity Actor in Clean and Healthy Living Behavior <i>Ghina Rizqandi Qurrota A'yun, Nurce Arifiati, Lani Febriani, Meldi Anggara, Agung Bayu</i>	273