



**FTIK**

**ICITERA**



**FST**



**10** Dies  
Natalis

# CONFERENCE BOOKLET

**INTERNATIONAL CONFERENCE ON  
INFRASTRUCTURE AND TECHNOLOGY  
FOR REGIONAL ADVANCEMENT  
(ICITERA) 2024**

**“FUTURE INFRASTRUCTURE TECHNOLOGY :  
PIONEERING INNOVATIVE AND SUSTAINABLE  
SOLUTIONS FOR SOCIETY”**

***ITERA, 6-7 DECEMBER 2024***



**icitera.itera.ac.id**  
**mustarakh.gelfi@kl.itera.ac.id**  
**+6282126876367 (Conference Chair)**



### Welcome Message from the Dean

Dear Esteemed Guests, Participants, and Colleagues,

On behalf of the Faculty of Infrastructure Technology and Regional Planning at Institut Teknologi Sumatera (ITERA), it is my honor to welcome you to the International Conference on Infrastructure and Technology for Regional Advancement (ICITERA) 2024. This gathering marks a pivotal moment as we bring together leading academics, industry professionals, researchers, and students from various fields to explore and discuss innovative approaches for future infrastructure development.

The theme of this year's conference, "Future Infrastructure Technology: Pioneering Innovation and Sustainable Solutions for Society," highlights our commitment to addressing pressing global challenges through cutting-edge research and technological progress. The diverse studies showcased in conference reflect the dedication of our participants to advancing sustainable development and strengthening regional infrastructure.

Wishing you an inspiring and productive experience at ICITERA 2024.

Lampung, November 11<sup>th</sup> 2024

Warm regards,

Arif Rohman

*Dean, Faculty of Infrastructure Technology and Regional Planning (FTIK)  
Institut Teknologi Sumatera (ITERA)*



### Welcome Message from the Conference Chair

Dear Distinguished Speakers, Participants, Invited Guests,

On behalf of the organizing committee, it is my great pleasure to welcome you to International Conference on Infrastructure and Technology for Regional Advancement (ICITERA) 2024. This event, held at Institut Teknologi Sumatera (ITERA), Lampung, Indonesia, gathers experts, researchers, and professionals from various fields to discuss pioneering innovations and sustainable solutions for future infrastructure. We are honored to have esteemed speakers and participants from around the globe. I encourage everyone to engage actively, exchange ideas, and foster collaborations that will drive impactful solutions for our society.

This year, we received an impressive 60 submissions, reflecting the global interest and engagement with our theme, "Future Infrastructure Technology: Pioneering Innovation and Sustainable Solutions for Society." The abstracts span a wide range of topics, from sustainable infrastructure development to cutting-edge technology adoption, showcasing the latest advancements in the field.

Contributions have come from various reputable institutions, including leading universities in Indonesia such as Institut Teknologi Sumatera (ITERA), Universitas Ngurah Rai (UNR), Universitas Hindu Indonesia (UNHI), Institut Teknologi Bandung (ITB), Universitas Indonesia (UI), Universitas Udayana, and Universitas Syiah Kuala (Unsyiah). We are also honored to have submissions from international institutions, including Dong A University (South Korea), Asian Institute of Technology (Thailand), Illinois Institute of Technology (USA), and several esteemed universities from Germany.

Thank you for your participation. I wish you a productive and inspiring conference and hope you enjoy your time in beautiful Lampung.

Lampung, November 11<sup>th</sup> 2024

Warm regards,



ICITERA

Dr. Eng. Mustarakh Gelfi, S.T., M.Sc.  
*Conference Chair*

## 1. Introduction

International Conference on Infrastructure and Technology for Regional Advancement (ICITERA) 2024 is hosted by Faculty Infrastructure Technology and Regional Planning, Institut Teknologi Sumatera (ITERA), Lampung, Indonesia. This conference is co-hosted by the Faculty of Science and Technology, Universitas Ngurah Rai (Bali) and Universitas Hindu Indonesia (Bali). We are thrilled to bring together and connect innovative minds from experts, researchers, academics, engineers, architects, planners, policymakers, industry experts and students from diverse disciplines and around the world to a common forum to share and disseminate their latest research through theoretical analysis or practical studies. These promote dialogue and exchange of ideas among stakeholders and decision makers, especially innovation and advancements that support regional infrastructure and sustainable development.

This conference raised Future Infrastructure Technology: Pioneering Innovation and Sustainable Solution for Society as a theme to promote future and sustainability better for the built environment. This key issue is to address (1) Sustainable Infrastructures Development and (2) Innovation and Technology Adoption.

**Conference Dates** : 6-7 December 2024,

**Venue** : Novotel Hotel (<https://maps.app.goo.gl/hvhAdR6wKne6UxWb7>)

Keynote and invited speakers provide a platform for discussion of Conference theme to be elaborated in parallel session of the conference tracks:

- **Prof. Dr. Walter Timo de Vries**, Technical University of Munich (TUM), Germany
- **Prof. Shih-Huang Chen**, National Central University (NCU), Taiwan
- **Prof. Suntoyo, S.T., M.Eng., Ph.D.**, Institut Teknologi Sepuluh November (ITS), Indonesia
- **Minh Kieu, Ph.D.**, University of Auckland, New Zealand
- **Prof. Dr. Irwan Mellano, S.T., M.Sc.**, Institut Teknologi Bandung (ITB), Indonesia
- **I Made Andi Aramana, S.T., M.E., Ph.D.**, Universitas Gadjah Mada (UGM), Indonesia
- **Yoga Suwarna, S.T., M.T., M.Eng.**, Director of Measurement and Land Mapping, Ministry of Agrarian Affairs and Spatial Planning/National Land Agency (ATR/BPN), Indonesia
- **Dr. Eng. IB Ilham Malik, S.T., M.T.**, Institut Teknologi Sumatera (ITERA), Indonesia

**Main theme:** Future Infrastructure Technology: Pioneering Innovation and Sustainable Solutions for Society

**Topics, Sub-Topics, Tracks**



**Topic Tracks (and codes):**

- P1. Civil Engineering for Sustainable Construction
- P2. Environmental Impact Assessment of Infrastructure Projects
- P3. Environmental Engineering Solutions for Infrastructure
- P4. Urban and Regional Planning for Sustainable Communities
- P5. Architecture, Landscape Architecture and Built Environment
- P6. Geomatic Engineering for Efficient Spatial Data Management
- P7. Ocean Engineering and Sustainable Marine Development
- P8. Railway Engineering and Future Transportation System
- P9. Integration of Visual Communication Design for Effective Infrastructure Communication
- P10. Policy Frameworks for Sustainable Infrastructure Development
- P11. Tourism Planning and Sustainable Infrastructure Development

## 2. Travel Guide to Lampung

- **Air Travel:** Details on flights to Radin Inten II Airport, including airlines, typical flight routes, and estimated travel times. Most participants will arrive via Radin Inten II International Airport (TKG), which is around 30 kilometers from ITERA. Direct flights are available from major cities in Indonesia like Jakarta, Bandung, and Surabaya. International travelers may find connecting flights from Jakarta's Soekarno-Hatta International Airport (CGK).
- **Ground Transportation:** Options for reaching the venue from the airport, including car rentals, taxis, shuttle services, and any special conference transportation.
  - ✓ **Airport Taxi Services:** Available at the airport. The fare to ITERA or downtown Bandar Lampung is approximately IDR 180,000.
  - ✓ **Car Rentals:** Various car rental services are available at the airport. Booking in advance is recommended.
  - ✓ **Ride-Hailing Apps:** Apps like Grab and Gojek operate in Lampung, offering convenient transportation.

## 3. Accommodation Options

Below are some recommended hotels near ITERA and in Bandar Lampung:

- **Mid-Range Options**
  - [Hotel A – Radisson Hotel]
    - **Location:** Approximately 15 minutes from ITERA, situated in the Kedaton area of Bandar Lampung.
    - **Features:** Offers a comfortable stay with modern amenities such as a swimming pool, fitness center, spa services, and an in-house restaurant. The hotel is also close to shopping centers like Mall Boemi Kedaton, making it a convenient choice for guests.
    - **Estimated Price:** IDR 800,000 - 1,200,000 per night.
  - [Hotel B - Aston Lampung City Hotel]
    - **Location:** Centrally located in Bandar Lampung, approximately 20 minutes from ITERA.
    - **Features:** Offers modern amenities, a swimming pool, fitness center, and easy access to shopping areas and local attractions.
    - **Estimated Price:** IDR 600,000 - 800,000 per night.
- **Budget Options**
  - [Hotel C - POP! Hotel Tanjung Karang]
    - **Location:** Situated in the city center of Bandar Lampung, around 25 minutes from ITERA.
    - **Features:** Affordable, clean, and eco-friendly with basic amenities. Ideal for budget travelers seeking a comfortable stay.

- **Estimated Price:** IDR 300,000 - 400,000 per night.
- [Hotel D - Amaris Hotel Bandar Lampung]
  - **Location:** Close to major transport links and about 30 minutes from ITERA.
  - **Features:** Provides basic amenities, a restaurant, and a meeting room. Known for its good accessibility and budget-friendly rates.
  - **Estimated Price:** IDR 300,000 - 450,000 per night.

Booking early is recommended, as hotels may fill up quickly during the conference period.

#### 4. Venue Details

The conference will be held Novotel Hotel. Signage will guide you from the main entrance to registration desks and session rooms.



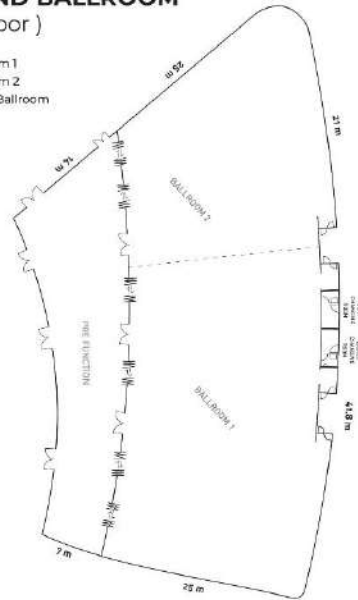
Address: Jl. Gatot Subroto No.136, Sukaraja, Kec. Bumi Waras, Kota Bandar Lampung, Lampung 35226 (<https://maps.app.goo.gl/RRBs6kXv8mKJYqnZ9>)

On-site Facilities: The venue includes cafes, a dining hall, rest areas, and Wi-Fi access.  
Registration and Information Desk: Open daily from 08:30 AM – 05:00 PM wib.

The following picture shows the venue layout.

**GRAND BALLROOM  
(1<sup>st</sup> Floor)**

- Ballroom 1
- Ballroom 2
- Grand Ballroom

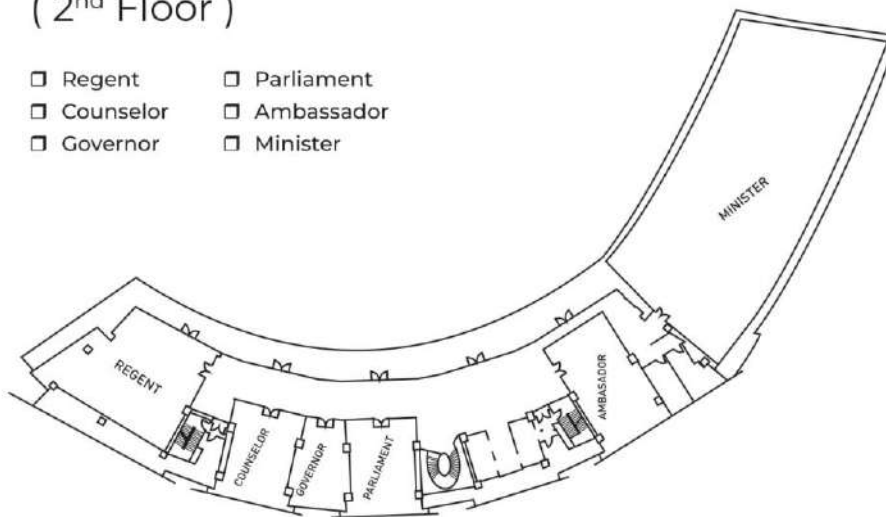


VENUE	Dimension (m)			Size (m <sup>2</sup> )		Capacity					
	Length	Width	Height	Area	Volume	Round	Rectangular	Bar	Stage	Other	Other
Ballroom 1	25	41.8	9	1,045	900	500	160	200	600	600	
Ballroom 2	25	21	9	525	500	250	80	100	400	400	
Grand Ballroom	25	48.8	9	1,970	1,400	1,000	N/A	N/A	1,000	1,000	

\*Surface area pre-function 400 m<sup>2</sup>

**MEETING ROOM  
(2<sup>nd</sup> Floor)**

- Regent
- Parliament
- Counselor
- Ambassador
- Governor
- Minister



\*Surface area pre-function 2<sup>nd</sup> floor 306 m<sup>2</sup>

**5. Local Information and Attractions**

Lampung offers spots tourism of cultural and natural attractions:

- **Pahawang Island:** Known for its pristine beaches and vibrant marine life, Pahawang is perfect for snorkeling and diving enthusiasts. (<https://maps.app.goo.gl/xUB41TB7WaeYRYx19>)



- **Way Kambas National Park:** A renowned elephant conservation area offering unique wildlife encounters. \* (<https://maps.app.goo.gl/t7iVoMr1YFfnPibe8>)



- **Krui Beach:** A beautiful spot for surfing, located a few hours from Bandar Lampung. (<https://maps.app.goo.gl/kcr1o9ZRn4KMkDC78>)



- **Local Markets:** Explore traditional markets for a taste of local food and crafts. (<https://maps.app.goo.gl/cZuN39sHrSY1xSYu7> )



We hope you have an enjoyable and productive stay, both at the conference and while exploring the natural beauty of Lampung.

6. **Contact Information** – A list of contacts for the conference organizers, emergency numbers, and any dedicated support team available to help with participant inquiries.

**Secretariat:** Institut Teknologi Sumatera (F107)

**email:** [icitera@itera.ac.id](mailto:icitera@itera.ac.id)

Phone: +6281379121694 (Cahyo)

## 7. Conference Schedule

No	Activity	Time	Place
<b>Friday, December 6<sup>th</sup>, 2024 (Day 1)</b>			
1	Registration	07.00-07.55 wib	Ballroom 2 (1 <sup>st</sup> Floor)
2	Opening ceremony and welcoming speech	07.55-08.00 wib	
3	Seminar from Prof. Dr. Walter Timo de Vries  Moderator: M. Bobby Rahman, Ph.D.	08.00-10.00 wib	
4	Seminar from Prof. Shih-Huang Chen  Moderator: Rahma Yanda, Ph.D.	10.00- 12.00 wib	
6	Jumuah Praying and Break	12.00- 13.00 wib	
7	Seminar Keynote Speaker Prof. Suntoyo, S.T., M.Eng., Ph.D.  Moderator: Elsa Rizkiya Kencana, S.T., M.Sc.	13.00-15.00 wib	
8	Coffee Break	15.00-15.30 wib	
9	Seminar from Speaker Dr. Minh Kieu  Moderator: Dr. Muhammad Zainal Ibad	15.30-17.30 wib	

10	Closing of Seminar Day 1		
11	Gala Diner (Opening, Keynote, and Invited Speakers are kindly invited)	19.00-21.00 wib	Ballroom 2 (1 <sup>st</sup> Floor)
<b>Saturday, December 7<sup>th</sup>, 2024 (Day 2)</b>			
1	Registration	07.30-08.30 wib	Ballroom 2 (1 <sup>st</sup> Floor)
2	Speech of Invited Speakers Session 1 (Prof. Dr. Irwan Meilano, S.T., M.Sc. and I Made Andi Arsana, S.T., M.E., Ph.D)  Moderator: ir. Arif Rohman, S.T., M.T.	08.30-10.15 wib	
3	Coffee Break	10.15-10.30 wib	
	Speech of Invited Speakers Session 2 (Yoga Suwarna, S.T., M.T., M.Eng. and Dr. Eng. IB Ilham Malik, S.T., M.T.)  Moderator: Rizky Ahmad Yudanegara, S.T., M.T.	10.30-12.00 wib	
4	Lunch Break	12.00-13.00 wib	
5	Parallel Sessions and Exhibition	13.00-17.00 wib	
6	Closing Ceremony of the Conference and Awarding	17.00-17.10 wib	Ballrom 2 (1 <sup>st</sup> Floor), Glosarium (2 <sup>nd</sup> Floor), and Caucus (2 <sup>nd</sup> Floor)

## 8. Parallel Session

Room #1 (Online). Session Chair: Dr. Muhammad Saddam Ali (10 minutes presentation via recording video/asynchronous and 3-5 minutes QnA synchronous)				
No	Paper Code	Name	Institutions	Title
1	P1-4	Tri Hayatining Pamungkas	Univeritas Ngurah Rai	Utilizing Infiltration Wells to Mitigate Urban Flooding: A Case Study of Rinjani Mountain Road in West Denpasar, Bali
2	P1-5	Pande Krisna Artha Santosa	Universitas Ngurah Rai	PERFORMANCE ANALYSIS OF TUKAD PAKERISAN ROAD AND SIDAKARYA ROAD USING INDONESIAN ROAD CAPACITY GUIDELINES 2023 METHOD (PKJI 2023)
3	P1-6	Hermon Frederik Tambunan	Institut Teknologi Sumatera	Characteristics of Performance Degradation of Hot Asphalt Concrete Mixtures Due to Aging of Asphalt and Aggregate Materials
4	P6-1	Mamad Tamamadin	Dong-A University	Wind Prediction under Typhoon on Coastal Cities using Ensemble k-NN and OpenFoam
5	P8-1	Nyoman Agus Trisna	Universitas Ngurah Rai	South Denpasar, Degree of Saturation Capacity, Roads, Service level, PKJI 2023.
6	P10-1	Bani Pamungkas	SAPPK ITB	Regulatory Framework for Implementing GEDSI in Indonesia's Infrastructure Projects: Insights from BRT Trans Jakarta
7	P10-2	Muhammad Aldhiansyah Rifqi Fauzi	Dong-A University	Fire Safety Precautions on Lithium Battery Fires with The Usage of An Integrated Fire Detection Algorithm with Artificial Neural Network (ANN)
8	P10-3	Jonas Lutz	Hochschule Hamm-Lippstadt, Germany	A review of maximizing social and economic value through sustainable urban drainage systems
9	P11-1	Komang Wirawan	Udayana University	Spatial Transformation of Villages in Tourism Areas: From Traditional Balinese Village to Russian Kampung
10	P11-2	Sherin Mohamed Sobih	ITB	Empowering Coastal Resilience: Integrating Community-Based Participatory Systems with Green Infrastructure
11	P11-3	Ni Luh Gede Niti Swari	Universitas Udayana	Satellite Village Planning: A Sustainable Approach to Tourism in Bali
12	P11-4	I Ketut Muliadisa	University of Udayana	DESIGN OF DESTINATION COMPONENT 6A BASED ON TRI HITA KARANA: CASE STUDY OF SUSTAINABLE TOURISM MANAGEMENT IN CARANGSARI VILLAGE, PETANG DISTRICT, BADUNG REGENCY.

**Room #2 (Online). Session Chair: Nova Asriana, S.T., M.T. (10 minutes presentation via recording video/asynchronous and 3-5 minutes QnA synchronous)**

No	Paper Code	Last Name	Institutions	Title
1	P4-2	Sandi Keita	SAPPK ITB	The Development of Indonesian Water Governance in Peri-Urban: A bibliometric analysis
2	P4-3	Arief Adhika Widyatama	Institut Teknologi Bandung	Key Stakeholders in the Development of Sustainable Port Transport Infrastructure Megaproject
3	P4-4	Shofi Shibghatillah Shulhiddar	Universitas Indonesia	The Potential for Urban Services Provision through the Utilisation of Waqf Land
4	P4-7	Tristia Riskawati	Institut Teknologi Bandung (ITB)	Decoding Local Leaders' Mindset for Advancing Regional Sustainable Development
5	P4-8	Elysa Wulandari	Syiah Kuala University	Historical Insights to Modern Solutions: Home Range and Defense in the Spatial Planning of the Meurah Mege Kingdom, Aceh Tengah
6	P4-10	Tetty Harahap	Institut Teknologi Bandung	Residential Immobility Pattern in Bandar Lampung City
7	P4-11	Nabil Fawaz	Illinois Institute of Technology, USA	A review of spatial analysis in sustainable urban drainage system: enhancing flood risk management
8	P4-12	Arne Finger	Hochschule Hamm-Lippstadt, Germany	Sustainable urban drainage system as a response to climate and urban challenges: a literature review
9	P5-3	Siluh Putu Natha Primadewi	Ngurah Rai University	The Application of Sensory Design in Café Interior (Case Study : Brunch Club Pererenan, Bali)
10	P5-4	David Ricardo	Institut Teknologi Sumatera, Universitas Atma Jaya Yogyakarta	Comparison of Artificial Intelligence (AI) Technology Results in Translating Concept Sketches Based on Built Works of World Architects
11	P5-8	A Dewi Eva Lestari	Institut Teknologi Sumatera	Female Domain Position: The Uniqueness of Lamban as Traditional Houses in Pekon Hujung, West Lampung, Indonesia

Room #3 (In Person). Session Chair: Dr. Raden Putra, S.T. (10 minutes presentation and 3-5 minutes QnA)				
No	Paper Code	Last Name	Institutions	Title
1	P1-1	M Gilang Indra Mardika	Institut Teknologi Sumatera	Design of Eco-drainage by Using Biopore Infiltration Hole at Kemang Selatan XII Street South Jakarta
2	P1-2	Muhammad Hakiem Sedo Putra	Institut Teknologi Sumatera	EVALUATION OF THE URBAN DRAINAGE SYSTEM IN NUNYAI VILLAGE, RAJABASA DISTRICT, BANDAR LAMPUNG CITY
3	P1-3	Michael	Institut Teknologi Sumatera	Marshall Characteristics of Asphalt Mixture using LDPE Waste as Additional Material
4	P1-7	Rahmat Kurniawan	Institut Teknologi Sumatera	Impact of Loading and Water on Particle Crushing and Compressibility of Tuff Soils
5	P1-9	Andry Yuliyanto	Institut Teknologi Sumatera	PENGARUH RECYCLE CONCRETE AGGREGATE (RCA) SEBAGAI SUBSTITUSI SEBAGIAN AGREGAT KASAR PADA CAMPURAN AC-WC DENGAN PENINGKATAN MUTU RCA DENGAN NANO SILICA DAN SEMEN
6	P1-10	Fiera Khairunnisa Afifah	Institut Teknologi Sumatera	Penggunaan Recycle Concrete Aggregate Sebagai Substitusi Agregat Kasar Pada Campuran AC-WC dengan Peningkatan Mutu Recycle Concrete Aggregate denga Fly Ash dan Semen
7	P7-1	Suciana	Institut Teknologi Sumatera	Assessing the Potential for Ocean Current Power Generation through Hydrodynamic Modeling in the Sunda Strait, Lampung
8	P7-2	Nafisa Nandalianadhira	Institut Teknologi Sumatera	Analysis of Pipeline Curvature Radius Modeling in the Nearshore Area
9	P7-3	Suciana	Institut Teknologi Sumater	Unveiling Current Flows and Sediment Transport Patterns in the Coastal Waters of Ketapang, South Lampung Through Delft3D Simulations
10	P7-4	Satriyo Panalaran	Institut Teknologi Sumatera	Division of the Java Sea Region based on Physical Parameters related to General Wave Conditions and its Effect on the Applicability of Model Estimates
11	P7-5	Muhammad Fatkhurrozi	Institut Teknologi Sumatera	Optimizing port operations during regular traffic periods using discrete-event simulation
12	P7-6	Ayu Libiaty Ahmad	Institut Teknologi Sumatera	Balongan Waters, Hydrodynamics, Oil Spill Distribution, Numerical Model, Current Velocity
13	P7-7	Fadly Ramdana	Institut Teknologi Sumatera	Foundation, Pile Driving Capacity, Patimban Port, CPT (sondir), N-SPT, PDA.

14	P7-9	Elsa Rizkiya Kencana	Institut Teknologi Sumatera	Finite Element Analysis of Rubber Fender Strength for Varying Ship Sizes: A Case Study at Pertamina RU VI Balongan Port
15	P7-11	Trika Agnestasia Tarigan	Asian Institute of Technology	Coastal Vulnerability Index (CVI), Physical vulnerability parameters, sedimentation, shoreline change, coastal flood risk

**Room #4 (In Person). Session Chair: Dr. Eng. Rendy Perdana Khidmat (10 minutes presentation and 3-5 minutes QnA)**

No	Paper Code	Last Name	Institutions	Title
1	P2-1	Novi Kartika Sari	Institut Teknologi Sumatera	Initial Assessment on Air Quality from Vehicles Crossing Toll Gate in Highway (Case: Kota Baru Toll Gate, South Lampung)
2	P2-2	Dian Prasetyaning Sukmawati	Institut Teknologi Sumatera	The Spatial Distribution of Potential Areas for Green Open Space Development Based on The Urban Heat Island (UHI) Phenomenon in Bandar Lampung City
3	P3-1	Afrinaldi Putra	Institut Teknologi Sumatera	Application of Batch Electrocoagulation for Pollutant Removal in Slaughterhouse Wastewater: An Environmental Engineering Approach for Sustainable Infrastructure Solutions
4	P3-2	Alifa Putriyandri	Institut Teknologi Sumatera	Health Co-Benefit Analysis of the Car Free Day (CFD) Program in Bandar Lampung on NO <sub>2</sub> and SO <sub>2</sub> Emissions and Concentrations from Motor Vehicles
5	P4-1	Baiq Rindang Aprildahani	Institut Teknologi Sumatera	Explaining the Pattern of Happiness in Indonesia Based on Open Public Spaces
6	P4-6	IB Ilham Malik	Institut Teknologi Sumatera	Dynamics of population changes in coastal cities on Sumatra Island 2010-2020
7	P4-9	M. Bobby Rahman	Institut Teknologi Sumatera	A spatial autocorrelation analysis of housefire using Moran's I spatial statistics: A study of Bandung City 2022-2023
8	P5-1	Yurim Hatamaiya Setyorini	Institut Teknologi Sumatera	Analysis and Risk Identification of University Laboratory Spaces Using The HIRARC Method. Case Study: Institut Teknologi Sumatera
9	P5-2	Muhammad Saddam Ali	Institut Teknologi Sumatera	Evaluation of A and B Building Areas Based on UI GreenMetric for Supporting Institut Teknologi Sumatera Towards a Green Campus
10	P5-5	Husna Tiara Putri	Institut Teknologi Sumatera	Planning on the edge: the use of stilt house structures for coastal settlements (Case study: Bandar Lampung City)

11	P5-7	Maqbul Kamaruddin	Institut Teknologi Sumatera	Evaluating OTTV in Commercial Buildings within Tropical Climates: A Case Study in Energy Efficiency Optimisation
12	P6-2	Ongky Anggara	Institut Teknologi Sumatera	Geospatial Study of Land Subsidence in Banda Aceh and Aceh Besar from InSAR Data
13	P6-3	Rizky Ahmad Yudanegara	Institut Teknologi Sumatera	Spatial Analysis and Land Value Capture from food and beverage service taxes (Study Case : Ryacudu Street, Bandar Lampung City)
14	P6-4	Nirmawana Simarmata	Institut Teknologi Sumatera	Risk Assessment and Mitigation of Forest and Land Fires in Pesisir Barat Using GIS-Based Analysis
15	P11-5	Asep Nurul Ajiid Mustofa	Institut Teknologi Sumatera	Building Sustainable Tourism through Island Tourism Zoning in Sibolga City

