

IAW • 2023



INTERNATIONAL ARCHITECTURE WORKSHOP
EMPOWERING LOCAL COMMUNITY FOR
SUSTAINABLE FUTURE

BALI AND BANDUNG, 9 - 19 JANUARY 2023



PENERBIT GUNADARMA



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BALI - EMPOWERING LOCAL COMMUNITY FOR
SUSTAINABLE FUTURE
Gunadarma University - University of Ulsan - Catholic
Parahyangan University

9-19 January 2023

ISBN:.....

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Publisher

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Diterbitkan pertama kali oleh Penerbit Gunadarma

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Cetakan Pertama, Maret 2023

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PREFACE

International Architecture Workshop has grown not only as an annual architecture program, but also a cross cultural occasion between all the participant. It's the fourth year of International Architecture Workshop which was attend by three University, Gunadarma University, University of Ulsan and Universitas Katolik Parahyangan. This year workshop was held by the University of Ulsan. We are really excited to take part on this workshop since the theme and issue are new in this collaboration. The theme for International Architecture Workshop 2023 is **"Empowering Local Community for Sustainable Future"**. This year's workshop fundamentally asks students to reconsider what is so self-evident that the contemporary architectural discipline can easily neglect; an architecture as making an environmentally responding shelter. The argument is focused on "how we actualize ourselves in nature and climate?" which is paraphrased from the words of Japanese philosopher Watsuji Tetsuro: that is, how we understand, locate, and express our existence in response to environmental conditions through building. As a host of International Architecture Workshop, Univerity Katolik Parahyangan hope to inspire all participant student and faculty member to bring their intellectual, creative, and experimental spirit by this year workshop.

As a host of International Architecture Workshop, Univerity Katolik Parahyangan hope to inspire all participant student and faculty member to bring their intellectual, creative, and experimental spirit by this year workshop. The preparation from University of Gunadarma was start in October 2022 and took 6 months to finish this workshop. There are 10 students from Gunadarma University who had been selected through an assessment process which includes portofolio presentation and interview. The student from 3 univerisities were divided into groups with a mix between Indonesia and Korea student, And they collaborate with all the team members easily. Furthermore we also follow the Gunadarma Architecture Major agenda after the workshop which is an **ARCH WEEK 2023**. The **ARCH WEEK 2023**. consist not only International Architecture Workshop, but also desimination of the workshop and Architecture Exhibition from all the results of International Architecture Workshop 2016-2019 and student portofolio. Last but not leat, I would like to thank all thecommitee who were involved, also thank you for all the workshop participants for the spirit and hard working attitudes. We have been seeing many young designate architecture in this workshop.

Ar. Yonav Partana, Msc., GP., IAI.

Chairman of the International Architecture Workshop Committee
Gunadarma University

PREFACE

It is with great pleasure that we introduce the 5th issue of the International Architecture Workshop, **“Empowering Local Community for Sustainable Future”**. This year's event, the IAW 2023 is distinguished among other recent workshops in both its theme and its teaching structure. Evolved from prior workshop experiences, the 2023 workshop shifted its theme into another critical issue in traditional Bali architecture, the environmental sensibility.

The pedagogical goals of the workshop are basic and purposely grounded in fundamental notions of architecture with regard to local environmental conditions. The students are asked to examine lifestyle, landscape, topography, structures, materials, and natural ethos of given site, **Pecatu, Bali** in order to design a **Agriculture Tourism** that could redefine the industrial response to the world's environmental crisis through a critical study of natural processes and indigenous practices, as well as the use of emerging the locality.

The workshop also emphasized on more collaborative teaching endeavors among tutors of participating institutions, forming tripartite tutorial layers of Gunadarma University, Parahyangan Catholic University, and the University of Ulsan. This tutorial structure and teamwork was as superb as the student's teamwork in this particular workshop. As an educator,

The workshop also emphasized on more collaborative teaching endeavors among tutors of participating institutions, forming tripartite tutorial layers of Gunadarma University, Parahyangan Catholic University, and the University of Ulsan. This tutorial structure and teamwork was as superb as the students' teamwork in this particular workshop. As an educator, it has been an inspiring and privileged experience to be a part of this excellent teaching team.

I firstly wish to thank all of those students who participated and worked tirelessly on the IAW 2023. I congratulate them on their success, and thank them for their passion and enthusiasm. And I would like to express my deep gratitude to Mr. Yonav Partana and editorial staff of Gunadarma Publisher for their visionary guidance and valuable efforts making this book. Without their commitment and continuous support, this beautiful publication could not have been realized.

Finally, I sincerely offer my heartfelt appreciation to all tutors who provided students with encouragement and inspiration during the workshop to carry out this wonderful undertaking. I am honored that I have had an opportunity to work with them. Thank you all for teaching and guiding the students to become exemplary future architects.

Dr. Y. Basuki Dwisusanto
Dean of Faculty Engineering
Universitas Katolik Parahyangan

PREFACE

To the honorable Mrs. Rector from the Gunadarma University and the Vice Chancellors, the honorable Mr. Dean and vice deans, also the speakers Professor Yu from the University of Ulsan, Pak Yuswadi, Mr. Ahmad Juhara and Mr. Yandi and last but not least to the students from all college and student from Ulsan University. Best wishes to all of us. The first thing that I want to convey is our gratitude from Universitas Katolik Parahyangan to Gunadarma University for inviting us to Cooperate. As we already said in Unpar, we hope this collaboration can continue, both between the students and between the lecturers.

If it is possible to have recent collaboration between Unpar and Gunadarma lectures, especially in architecture study program, we will be very happy. And hopefully for friends, lecturers and students from parahyangan, this workshop can really give benefit. And we are sure, I am sure it will give benefit because the theme of **“Empowering Local Community for Sustainable Future”** is in accordance with Unpar vision, to develop local potential in the urban level. And once again I said thank you especially to the Gunadarma University and Ulsan University for inviting Unpar to participate in this workshop. Thank you.

Yonghyun Yu, AIA, LEED AP
Associate Professor of Architecture, University of Ulsan
2019 International Architecture Workshop Director

Penerbit Gunadarma

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OVERVIEW

International Architecture Workshop 2023 Empowering Local Community for Sustainable Future

The International Architecture Workshop 2023 was held in Pecatu, Bali, and Bandung as a collaboration between Gunadarma University, Parahyangan Catholic University, and the University of Ulsan. With the theme “Empowering Local Community for Sustainable Future”, the workshop explored the intersection of architecture, community, and sustainability through cross-cultural academic exchange.

It is the 5th Architectural Workshop between Gunadarma University, the University of Ulsan, and Parahyangan Catholic University. This year's workshop's main theme is Empowering Local Community for Sustainable Future. The workshop was held by Parahyangan Catholic University in Bali and Bandung. The teams were mixed from all three universities and split into five groups with different building functions, ensuring that the designs were well connected to each other. The outcome provided various solutions for the locality in Pecatu, Bali.

The workshop is centered on the exploration of Subak, Bali's traditional irrigation system, as both an ecological and cultural framework. Subak reflects the harmonious relationship between humans, nature, and spirituality, offering a valuable perspective for reinterpreting sustainable architectural practices. By adopting this philosophy, the workshop emphasizes the importance of empowering local communities, preserving cultural identity, and addressing global environmental challenges.

Keywords: Architecture, Community Empowerment, Sustainability, Subak, Bali, Cross-Cultural Workshop.