



FPIK Unpad



# TERM OF REFERENCES INTERNATIONAL SUMMER PROGRAM 2023

EXPLORING COASTAL WANDERS : A SUMMER ADVENTURE



# INTRODUCTION

The Faculty of Fisheries and Marine Sciences is one of the faculties at Universitas Padjadjaran. In the Faculty of Fisheries and Marine Sciences, there are 6 departments, namely Fisheries (S1), Marine Science (S1), Fisheries PSDKU (S1), Maritime Tourism (D4), Marine Conservation (S2), and Fisheries Science (S2). The vision of FPIK Unpad is to become an excellent faculty, oriented towards research and international competitiveness in the field of fisheries and marine sciences. One manifestation of FPIK Unpad's vision is the existence of the FPIK Unpad Internationalization Unit. This year, the International Summer Program is once again being held. This program offers international students from various backgrounds who are interested in coastal sustainability. Students from all over the world are welcome to apply.

Coastal areas have significant importance for the sustainability of life. The coast supports biodiversity, regulates climate, contributes to the economy, provides food security, and offers recreational and cultural values. Protecting and managing these areas sustainably is crucial to ensure the long-term well-being of coastal communities and the planet as a whole. The theme "Exploring Coastal Wonders: A Summer Adventure" emphasizes the importance of coastal conservation and its fragile ecosystems, as well as the need for sustainable aquaculture management. We believe that through understanding conservation and responsible aquaculture technology, we can preserve coastal biodiversity and ensure a sustainable supply of marine and fisheries products.

The Faculty of Fisheries and Marine Sciences aims to provide an exciting adventure experience to program participants while fostering love and care for the coastal environment. Through this program, we hope that participants become agents of change committed to preserving and conserving the coastal environment for a better future.



# TOPICS

## Main topics:

- The Importance of Infrastructure as a Human Interface
- Status Quo and Development of Aquaculture Technology
- Conserving Marine Ecosystem in Ever Growing World
- How to Apply SDGs for A Better World
- What is Coastal Cleanup?

# PARTICIPANTS

- Undergraduate and Postgraduate students
- International students resident in Indonesia
- Fisheries and marine researchers

# PROGRAM SCHEDULE

Schedule	Session		Teaching Method
	Online	Offline	
Day 1 Mon, July 31st 2023	Opening		Hybrid
	Lecture 1 (The Importance of Infrastructure as a Human Interface)		
	Virtual Angklung Class	Destination 1: Saung Angklung Ujo	
	Livestream Saung Angklung Ujo, Bandung		

# PROGRAM SCHEDULE

Schedule	Session		Teaching Method
	Online	Offline	
Day 2 Tue, August 1st 2023	Livestream Aquatec	Destination 2: Aquatec Floating Cages	Hybrid
	Lecture 2 (Status Quo and Development of Aquaculture Technology)		
	Lecture 3 (Conserving Marine Ecosystem in Ever Growing World)		
	Livestream Turtle Conservation	Destination 3: Turtle Conservation	
Day 3 Wed, August 2nd 2023	Lecture 4(How to Apply SDGs for A Better World)		Hybrid
	Livestream Mangrove Ecotourism	Destination 4: Mangrove Ecotourism Area	
	Short Lecture (What is Coastal Cleanup?)		
Day 4 Thu, August 3rd 2023	Livestream: Kampung Naga Tasikmalaya	Destination 4: Mangrove Ecotourism Area	Hybrid
	Short Lecture (What is Coastal Cleanup?)		
Day 5 Fri, August 4th 2023	Closing		Hybrid

# COURSES DESCRIPTION

Course 1	<b>The Importance of Infrastructure as a Human Interface</b>
	<p>Undoubtedly, humans are social creatures who often need structures, buildings, or facilities to fulfill that natural trait. As civilization grows from communities that live in different sheds into a life inside skyscrapers or even man-made islands. Humans have learned to gradually make the most out of infrastructures that are built as it keeps growing. Roads to connect different communities, electricity to fulfill more needs, hospitals to provide better healthcare, schools to achieve more things, etc. Thus, this course aims to give better understanding about purpose and important features of infrastructures, its role in human life, and how it acts human interface.</p>
Course 2	<b>Status Quo and Development of Aquaculture Technology</b>
	<p>Aquaculture has been a part of human civilization for hundreds of years and it has grown from small-scale needs into global business with huge profit. Yet, despite all the potential, lies challenges to overcome so that aquaculture can play a bigger role to make life better. Thus, this course aims to give better understanding of the current situation of the aquaculture sector, development of technology used, possibilities to solve larger problems like reducing world hunger, maintaining population of marine predators by reducing the amount of capture fisheries, developing coastal communities, without polluting the environment.</p>



# COURSES DESCRIPTION

Course 3	Conserving Marine Ecosystem in Ever Growing World
	<p>Humans and the ecosystem are basically inseparable because we are part of the ecosystem. As humans develop over the centuries, the urge to fulfill needs and wants have brought both changes and disasters especially in the marine ecosystem. The growth won't stop anytime soon but the condition keeps getting worse. Thus, this course aims to help students acknowledge the condition of the marine ecosystem over the past years and how human life impacted it. The course also aims to give better understanding on how to conserve amidst the growing world. The opportunities, challenges, methods, stakeholders, or even why it's important.</p>

Course 4	How to Apply SDGs for A Better World
	<p>Sustainable Development Goals are a collection of seventeen interlinked objectives designed to serve as a "shared blueprint for peace and prosperity for people and the planet, now and into the future". Although it seems pretty clear on how to actuate it, the application of SDGs still needs optimization especially in developing countries like Indonesia. Thus, this course aims to educate further about what SDGs are all about and how it works to build a better world. Which includes examples of progress oriented target that gradually help achieve one or more of the goals, how people, communities, academia, government, and other stakeholders can take different parts in actuating the goals, or how certain countries have abilities to help achieve specific goals.</p>





# COURSES DESCRIPTION

Course 5	What is Coastal Cleanup?
	Nowadays, wastes from human activities have filled different places from the land to the sea. Some of them also ended up in coastal areas, so much that sometimes the beaches are covered with many kinds of trash. Regular people with limited access then look forward to the idea about “small acts for greater impact” which resonates with the terms “coastal cleanup”. Thus, this lecture aims to help define what coastal cleanup is and how it can help improve coastal areas' condition. The course also talks about what effective coastal cleanup is supposed to look like and the factors (ex: scale, who's involved, methods, post-event, etc.)

## TRIP DESCRIPTION

Within this 5-days activity, the participant both offline and virtual, will visit various places such as Saung Angklung Udjo, Unpad Aquatec Floating Cages, Batu Hiu Turtle Conservation, Mangrove Tourism Area and Kampung Naga and beautiful beaches to see and learn about the various resources and the way of preserving these resources in visited area.

### 1. Saung Angklung Udjo



Saung Angklung Udjo was founded by Udjo Ngalagena, a Sundanese musician and instrument maker, in 1966. The center offers various cultural activities and performances, including angklung playing, traditional Sundanese music and dance, puppet shows, and interactive workshops.



# TRIP DESCRIPTION

## 2. Unpad Aquatec Floating Cages



UNPAD has constructed a facility in the form of the Faculty of Fisheries and Marine Sciences (FPIK) building in Pangandaran, which is close to the sea, with the aim of increasing the capacity of FPIK students and facilitating field practices in research related to marine and aquaculture sciences. UNPAD also has a Floating Net Cages (KJA) located on the East Coast of Pangandaran, which is a joint design between UNPAD and Aquatec, specifically designed to withstand waves in the South Sea. A total of 20 units of 3m x 3m KJAs and 1 unit of circular KJA with a diameter of 10m function well even in the face of relatively large waves.

## 3. Batu Hiu Turtle Conservation



Dubbed as the "Tanah Lot of West Java," the tourist destination of Batu Hiu Beach not only offers breathtaking views of the sea and rugged cliffs, but also features an educational attraction, namely a turtle conservation or hatchery. The turtle conservation or hatchery in Pangandaran is managed by the Marine Biota Preservation Group (KPBL), located in Ciliang Village, Parigi District, Pangandaran Regency, approximately 17 kilometers away from Marlin State Pangandaran.





# TRIP DESCRIPTION

## 4. Bulaksetra Mangrove Ecotourism Area



Bulaksetra Beach is a mangrove area located on the East Coast of Pangandaran which has the potential to be developed as an ecotourism area. The Edu-ecotourism area which combines conservation, education, research, and economy requires good and appropriate management.

## 5. Kampung Naga Tasikmalaya



Kampung Naga is a traditional village located in Tasikmalaya, West Java, Indonesia. It is known for its well-preserved traditional Sundanese architecture and way of life. The village is situated in a remote area surrounded by hills and forests, creating a serene and picturesque setting. Visitors to Kampung Naga can experience the unique cultural heritage of the Sundanese people. They can explore the village, observe the traditional houses, interact with the local community, and learn about their customs and traditions. The village provides an opportunity to gain insight into the traditional Sundanese way of life and appreciate the rich cultural heritage of the region.

# GUEST LECTURES

The lecturers and practitioners from abroad are welcome as invited lecturers in this summer program. The organizer will provide the online platform to support their lecture. The duration of each lecture is 70 minutes (the lecturer can decide the method and time for break during their lecture). The lecturers can also bring their materials such as slides, videos, or others. The invited lecturers are requested to fill out the form and send it to the secretariat along with Curriculum Vitae.

# EVENT SCHEDULE

Date : 31 July – 4 August 2023

Places/Venue : Hybrid (Online and Offline)

Modules and Tasks would be delivered through *Learning Management System*



# CONTACT US

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