

THE EVENT

EMBRIO 2008

THE 7th EMBRIO INTERNATIONAL SYMPOSIUM

"Ocean for the Future: Integrating Marine Biodiversity, Sustainability, and Resilience"

September 2nd-3rd, 2025 (Online)

Keynote Speakers

Prof. Dr. Rachmat Pambudy
Minister of National Development Planning Agency (Bappenas) RI

Dr. Arief Havas Oegroseno
Vice Minister of Foreign Affairs RI

Invited Speakers

Prof. Dr. Indra Jaya
IPB University

Prof. Dr. Fang Qinhua
Xiamen University

Dr. Lisa Becking
Wageningen University and Research/Naturalis

Dr. Muhamad Naimullah
Universiti Malaysia Terengganu

Pilar Velásquez Jofre
ICIAAD, Guatemala

Opening Remarks

Prof. Dr. Arif Satria
Rector of IPB University

Prof. Dr. Fredinan Yuliana
Dean of Faculty of Fisheries and Marine Sciences

Dr. Roza Yustianidayani
Chief Executive of 7th EIS

Guest Editor

Dr. Sebastian Ferse
ZMI Bremen/DAAD Indonesia Longterm Lecture

Assoc. Prof. Dr. Türker Bodur
Faculty of Fisheries, Akdeniz University, Türkiye

Call For Paper and Poster Presentation

EXTENDED

Registration [Link: https://ipb.link/eis-2025-registration](https://ipb.link/eis-2025-registration)

Important Date

- Abstract and registration: 30th July 2025
- Notification of acceptance: 8th August 2025
- Full paper registration & payment: 15th August 2025
- Symposium date: 2nd-3rd September 2025

Topics

- Marine Biodiversity
- International Collaboration
- Integrated Management
- Building a Blue Economy
- Technology and Innovation
- Sustainability and Resilience
- Aquaculture

Registration Fee

Payment Type	Domestic	Foreigner
Student Presenter (Publication)	Rp 2.000.000	\$ 130
Non-student Presenter (Publication)	Rp 2.500.000	\$ 160
Presenter	Rp 500.000	\$ 35
Participant (Certificate)	Rp 200.000	\$ 15

Payment Information

Transfer via bank to

- Account holder : REKTOR IPB CQ KS FAPERIKAN
- Bank name : BNI
- Account number : 3889960
- Swift Code BNINIDJABGR

Organizer

Faculty of Fisheries and Marine Science **EMBRIO**

Supported by

Minister of Global Connectivity

Publication

ICIAAD

Co-Organizer & Partners

Naturalis, JAMES COOK UNIVERSITY, 廈門大學, UMT

More Information

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- Dr. Roza Yustianidayani (+62 812-8600-535)

Figure 1. Poster of EMBRIO International Symposium 2025

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THE 7th EMBRIO INTERNATIONAL SYMPOSIUM

September 2nd - 3rd, 2025

RECAP DAY 1

RACHMAT PAMBUDY
MINISTER FOR NATIONAL DEVELOPMENT PLANNING/
HEAD OF NATIONAL DEVELOPMENT PLANNING AGENCY

KEYNOTE SPEAKER
Prof. Dr. Rachmat Pambudy
(Minister of National Development Planning/ Bappenas RI)

IPB University | Directorate of Global Connectivity | BIO Web of Conferences | Naturalis | JAMOJUKO UNIVERSITY | 廈門大學 XIAMEN UNIVERSITY | UMT | Archipelagic & Island States Future

Figure 2. The Keynote Speakers Prof. Dr. Rachmat Pambudy (Minister of National Development Planning/ Bappenas RI)

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THE 7th EMBRIO INTERNATIONAL SYMPOSIUM

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RECAP DAY 1

THE 7th EMBRIO INTERNATIONAL SYMPOSIUM
"Ocean for the Future: Integrating Marine Biodiversity, Sustainability, and Resilience"
September 2nd - 3rd, 2025

KEYNOTE SPEAKER
Arif Havas Oegroseno, S.H, LL.M
(Vice Minister of Foreign Affairs RI)

IPB University | Directorate of Global Connectivity | BIO Web of Conferences | Naturalis Biodiversity Center | LAMARCK UNIVERSITY | XIAMEN UNIVERSITY | UMT | Archipelagic & Island States Forum

Figure 3. The Keynote Speaker Dr. Arif Havas Oegroseno (Vice Minister of Foreign Affairs RI)



Figure 4. Invited Speaker Pilar Velásquez Jofre (ICAAD Guatemala)



Figure 5. Invited Speakers Prof. Dr. Indra Jaya (IPB University, Indonesia)



Figure 6. Invited Speakers Dr. Lisa Becking (Wageningen University and Research, Netherlands)

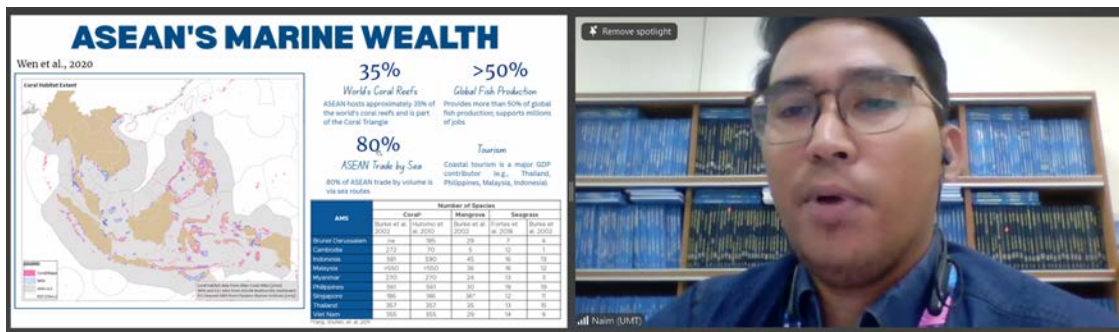



Figure 7. Invited Speaker Dr. Muhamad Naimullah (Universiti Malaysia Terengganu, Malaysia)

Background



Main aquaculture commodity globally

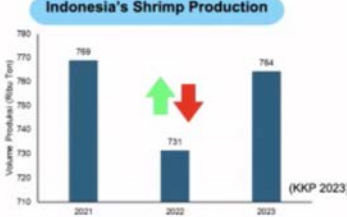
Pacific white shrimp (*Penaeus vannamei*)

FAO (2023)


Global shrimp production in 2022: **6.8 Million ton**

#1 Shrimp Aquaculture production globally


Indonesia's Shrimp Production



Caused by: **Pathogen infection!**



(a)




EVALUATION OF FLOATING NET CAGE AQUACULTURE IMPACTS ON TROPHIC STATUS AND ORGANIC POLLUTION USING DIATOMS AS BIOINDICATORS IN SITU CIPONDOH, TANGERANG

PANDU GURUH GUMELAR

Dr. Muh. Herjanto, S.Pi., M.Si.

Desy Aryani, S.Si., M.Si


**FISHERIES SCIENCE DEPARTMENT
FACULTY OF AGRICULTURE
UNIVERSITY OF SULTAN AGENG TIRTAYASA**



(b)


METHODS

Location
TNKs
SPTN Region III
P. Pramuka



Data collection
Early February 2024

Underwater Survey




Underwater Photo Transect 3 X 10M

Index Calculation

$$BRI = \frac{C_1 + 3C_2 + 2C_3 + 3C_4 + 4C_5 + 5C_6}{5} \times 100\%$$

Photo Identification



Bleaching Response Index (BRI) severity level (Doreday et al., 2024)

Level	Color	0-25% Bleaching	26-50% Bleaching	51-75% Bleaching	76-100% Bleaching
Low	Blue	0-25%	26-50%	51-75%	76-100%
Medium	Light Green				
High	Yellow				
Extreme	White				

Statistical Analyses

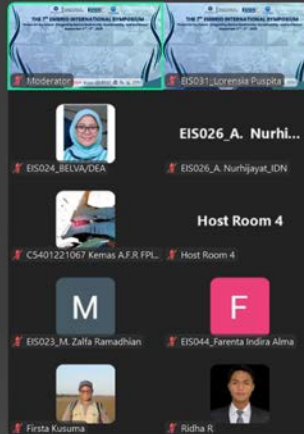
R Studio

- Chi-square & Kruskal-Wallis
- Post-hoc

Classification

Bleaching prevalence
Coral Bleaching severity category (extreme)

Severity	Low	Medium	High	Very High	Extreme
Prevalence	0-50%	51-50%	51-50%	51-50%	51-50%



(c)

EMBRIO

Methods

Bodur Beach Tanjung Lesung, Pandeglang, Banten

March until April 2025

Tools and materials

Research Procedure

Field observation → Sample determination → Distribution of questionnaire sheets

Attraction	DT 1 – DT 7
Accessibility	AB 1-AB 8
Amenities	FU 1- FU 21
Ancillary Service	FP 1 – FP 9
Price	BY 1 – BY 6

02 ←

11 unassigned participants

(d)

RESEARCH METHODS

Sampling Procedure

- ▶ Sampling site : **Teluk Sepang coastal water**
- ▶ Sampling methods : simple random sampling during low tide

Fig. 1. Sampling site

11 unassigned participants

(e)

Figure 8. Participant Presentation (a-e)