

# Physics Without Frontiers Indonesia

## School on Marine Physics in Papua

8 August – 3 October 2026

### Program Overview

This program proposes an online School on Marine Physics in Papua, consisting of seven structured sessions delivered between August and October 2026. The school aims to strengthen conceptual understanding of physics through marine and climate-related phenomena, introduce students to international academic networks, and improve science communication skills. The program primarily targets physics and science students in Papua while remaining open to participants from other regions of Indonesia.

### Speakers

- **Manu Rawali, M.ScTech.** (University of Papua New Guinea)
- **Siswanto, M.Sc., Ph.D.** (Badan Meteorologi, Kllimatologi, dan Geofisika)
- **Intan Suci Nurhati, Ph.D.** (Badan Riset dan Inovasi Nasional)
- **Rikha Widiaratih, S.Si, M.Si.** (Universitas Diponegoro, University of Strathclyde)
- **Dyna Rochmyaningsih, B.Sc.** (Independent Science Journalist)

### Coordinators

- **Yudhiakto Pramudya, Ph.D.** (Universitas Ahmad Dahlan)
- **Endra Putra Raharja, M.Pd.** (Universitas Pendidikan Muhammadiyah Sorong)
- **Mohamed Yusuf Wako, M.Pd.** (Universitas Ahmad Dahlan)
- **Lina Kumalasari, M.Pd.** (Universitas Pendidikan Muhammadiyah Sorong)
- **Muhammad Maulidan, S.Si.** (Universitas Ahmad Dahlan)
- **Iqbal Saputra, S.Pd.Gr.** (SMP Muhammadiyah Merauke)
- **Sri Wahyuni, S.Pd.** (Universitas Ahmad Dahlan)

### Session Outline

- Fundamental Physics for Marine Studies
- Ocean Waves, Tides, and Fluid Dynamics
- Ocean–Atmosphere Interaction and Mixing
- Oceanography of Papua Region
- Climate Change and Marine Physical Processes
- Marine Physics, Environment, and Society
- Science Communication and Knowledge Sharing



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