



# GUIDE BOOK SIC





## SIC OVERVIEW

*Seismic Interpretation Competition (SIC)* is a competition provided by GEOSPHERE 2024 and the ITS Geophysical Engineering Student Association (HMTG ITS) for students throughout Indonesia who are interested in developing their abilities and competencies through interpreting seismic data and testing these abilities in a competition. The SIC competition will be held starting from the preliminary stage with the collection of essays and continued with the final stage through the presentation of the results.

SIC is held to test students' abilities in interpreting seismic data which enables geophysicists to understand the characteristics of subsurface structures and make effective decisions regarding reservoir zone exploration. The importance of seismic interpretation increases with the complexity of oil and gas fields encountered. Through this competition, it is hoped that students will be able to train their competency in optimizing the exploration process, discovering new reservoirs and drilling more productive wells to support oil and gas exploration in the development of sustainable energy resources.

### Main Theme

*“Reservoir Zone Characterization through Seismic Data Interpretation in the Oil and Gas Industry for Energy Sustainability”*

### Event Information

Event Name: “Seismic Interpretation Competition”  
Location: ITS Geophysical Engineering Department  
Date & Time: October 6, 2024

### General Rules

1. Participants are **undergraduate students** at university/equivalent level in Indonesia as proven by their Student Identity Card (KTM).
2. Participants are in teams consisting of 3 people (maximum) and come from the same university.

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3. Participants can register via website GEOSPHERE2024 according to the specified date and time.
4. Participants are required to complete the registration and registration fees set by the committee.
5. There are 2 stages in the Seismic Interpretation Competition, namely Preliminary and Final Round.
6. There will be 5 teams that qualify for the final round.
7. Collection of essays, full reports and PPTs using Indonesian.

### **Dates of Event**

Registration	: 15 July - 11 August 2024 ( 3 Batch )
• Early Bird Registration	: 15 July - 22 July 2024
• Normal Registration	: 23 July - 4 August 2024
• Extended Registration	: 5 August - 11 August 2024
Preliminary Case Data Release	: 11 August 2024
Abstract Submission	: 25 August 2024
Announcement of Finalist	: 1 September 2024
Final Case Data Release	: 1 September 2024
Full Report & PPT Submission	: 29 September 2024
Technical Meeting	: 5 October 2024
Final Presentation	: 6 October 2024

### **Case Distribution**

#### **1. Preliminary**

Preliminary Case will be distributed on August 11 2024 to th leader's email after completing registration and payment.

#### **2. Final Round**

The Final Case is addressed to the finalist teams and will be distributed on September 1 2024 via the leader's email after completing final registration and payment.

### **Competition Format**

#### **1. Preliminary**

- Every participant who has registered is required to carry out the preliminary stage.
- Participants must follow the specified format. The following are the conditions for writing essays:
  - 1) Essay are written in Indonesian
  - 2) Paper size : A4
  - 3) Margin

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- a) Top : 3 cm
  - b) Left : 3 cm
  - c) Right : 3 cm
  - d) Bottom : 3 cm
  - 4) Paragraph alignment : Justify
  - 5) Font style : Times New Roman
  - 6) Font size : 12
  - 7) Heading font size : 14
  - 8) Spacing : 1.5
  - 9) Columns : One
  - 10) Total pages : Max 4 pages (exclude the reference page)
  - 11) Reference : APA style
  - 12) File type : PDF
- Essays must be submitted by each team no later than August 25 2024 23.59 WIB. Essays can be submitted via the following link <https://its.id/m/GEOSPHERE2024PreliminarySubmission> and on email [geosphere.hmtg@gmail.com](mailto:geosphere.hmtg@gmail.com). The file collection name format is "SIC\_Essay\_Team Name\_GEOSPHERE2024". Essays are collected in (.pdf) format.
  - Teams that submit their essays late will receive points deducted.
  - Essays submitted are not permitted to use campus names and attributes (logos, etc.).
  - Teams that pass must confirm with the Geosphere 2024 committee via the contact person provided.

## 2. Final Round

- Each team is required to complete a Full Report and will be presented offline at the ITS Geophysical Engineering Department on October 6 2024.
- Each team will be given 40 minutes in the presentation session which consists of 5 minutes of preparation, 15 minutes for the presentation, and 20 minutes for the question and answer session.
- Full Report Format:
  - 1) Full Paper are written in Indonesian
  - 2) Paper size : A4
  - 3) Margin
    - a) Top : 3 cm
    - b) Left : 3 cm
    - c) Right : 3 cm
    - d) Bottom : 3 cm
  - 4) Paragraph alignment : Justify
  - 5) Font style : Times New Roman
  - 6) Font size : 12
  - 7) Heading font size : 14



- 8) Spacing : 1.5
  - 9) Columns : One
  - 10) Reference : APA style
  - 11) File type : PDF
- The full report must contain at least the following content:
    - 1) Background
    - 2) Field Overview
    - 3) Objectives :
      - a) Well Seismic Tie
      - b) Well Correlation
      - c) Picking Horizon
      - d) Time & Depth Structure Map
    - 4) Economic (optional)
  - Presentations must be submitted in (.pptx) format and Full Reports in (.pdf) format using Indonesian and submitted before 29 September 2024 23.59 WIB via a link that will be provided later. Teams that are late in submitting presentations will receive a point deduction of 10%/day.
  - The Full Report naming format is "SIC\_Full\_Report\_Team Name\_GEOSPHERE2024" and the PPT naming format is "SIC\_PPT\_Team Name\_GEOSPHERE2024".

## Scoring

### 1. Preliminary

- *Originality (10%)*
- *Analysis and Solution of problems (40%)*
- *Relevance (30%)*
- *Conformity to the specified format (10%)*
- *Timeliness of essay submission (10%)*

### 2. Final Round

- **Full Report (60%)**
  - Originality (10%)
  - Content (35%)
  - Analytics & Relevance (15%)
- **Presentation (40%)**
  - Presentation Delivery (15%)
  - QnA (25%)

## Registration

1. Registration for the GEOSPHERE2024 Seismic Interpretation Competition can be accessed through our website : [geosphereits.id](https://geosphereits.id)
2. Preliminary Registration Fee are divided into:
  - Early Bird Registration : Rp. 125.000/team

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- Normal Registration : Rp. 150.000/team
  - Extended Registration : Rp. 200.000/team
3. Finalists (who qualify for the Final Round) will have to pay an additional fee (final registration fee) which will be informed later.
4. Payment via one of the following accounts:
- Account Number : 0882658102  
Account Name : ABIDAH ARDELIA ARSYA MELANDRI  
Bank Name : BCA
  - Account Number : 709401011881536  
Account Name : DINDA RACHMA PUTRI CAHYANTI  
Bank Name : BRI
- Final payment nominal code: 1  
Example: IDR 200,001
5. Teams that qualify for the Final Round must confirm and carry out Final Registration a maximum of 3 days after the announcement of final qualification. Teams that qualify for the final, but do not make payments according to the specified deadline, will be disqualified and will be replaced by a lower ranked team. The team gets 3 days to complete Final Registration.

### Facilities

Teams that have officially become finalists and have paid accommodation costs are entitled to facilities during the Final Round, in the form of:

1. Hotel
2. Transportation
3. Consumption
4. Gala Dinner

### Awards

Champion : Rp. 3.000.000 + Certificate  
1st Runner Up : Rp. 2.000.000 + Certificate  
2nd Runner Up : Rp. 1.500.000 + Certificate  
) All finalists will receive an E-Certificate.

### Contact Person

If you have any questions, please contact the GEOSPHERE2024 Seismic Interpretation Competition committee.

**Muhammad Naufal Hisyam - Head of SIC**

WA : 08996637304

**M. Ghatfan Aufa - Head of Event**

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WA : 085895892863



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