

GUIDE BOOK DERRICK 2025

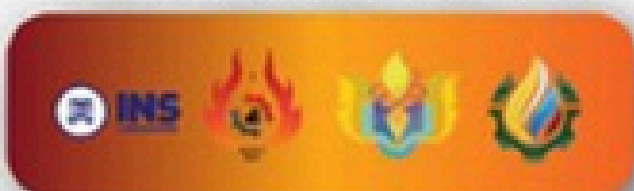


DERRICK
2025 Energy
Innovation
Action

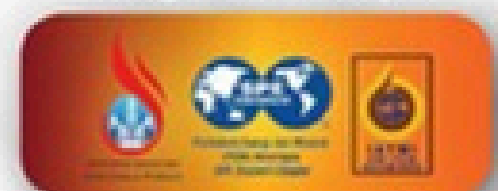


GEOHERMAL CASE STUDY COMPETITION

In Collaboration With:



Organized By:





BACKGROUND

Geothermal Competition is part of the Derrick 2025 event series, themed "Bridging Conventional and Renewable Energy: Petroleum Engineering's Role."

This competition encourages participants to explore how petroleum engineers contribute to the clean energy transition through geothermal innovation. It aims to build awareness, creativity, and analytical skills in developing sustainable energy solutions that support Indonesia's renewable energy future.

THEME

**Bridging Conventional and Renewable Energy:
Petroleum Engineering's Role**

VENUE, DATE AND STATUS

Final Round Presentation

- Venue : Online via Zoom Cloud Meeting
- Date : 6th December 2025
- Status : Online



GENERAL RULES

- DERRICK 2025 Geothermal Case Study Competition will be held virtually through ZOOM application (final round).
- DERRICK 2025 Geothermal Case Study Competition participants must be an active undergraduate students from any universities.
- Each university is allowed to send any number of teams for participating in preliminary round, but there are only 2 (two) teams from same universities that advanced to the final round.
- Each team consist of an ideal **4 (four)** and **5 (five)** maximum members.
- Each team is allowed to have members from **different majors**, but should only be **from the same university**
- Each member of the team is only allowed to join one team. Changes in the member of the team after being registered is not allowed for any reasons
- DERRICK 2025 Geothermal Case Study Competition consist of the preliminary round and final round. The preliminary round is essay selection, and the final round is the final report and presentation
- The case will be issued on the October 27th 2025 and will be sent to each team's leader email
- All reports and presentations should be written and delivered in English.
- Presentation session for the final round will be closed presentation system using ZOOM platform.
- The top 8 Selected Team will be informed by the committee via email to the team leader and DERRICK 2025 instagram account
- Tardiness in submitting the final project report or presentation will impact 10% deduction of the total point.
- All rules and regulations for DERRICK 2025 are subject to change. Any changes will be announced at the technical meeting or informed by email in advance to the team leaders.



PRELIMINARY ESSAY FORMAT

ESSAY

1. team will be required to write an essay based on the theme given and the deadline specified. The top 8 teams with the highest score will advance to the final round.
2. Essay is written in Formal English with format
 - Font Type : Times New Roman
 - Font Size : 12
 - Heading Font Size : 14
 - Line Spacing : 1.5
 - Alignment : Justified
 - Left and Top Margin : 4 Cm
 - Right and Bottom Margin: 3 Cm
 - Total Words : 400 - 600 Words
 - Size of Page : A4 Format
3. The essay must be following the format above, otherwise, a score reduction of 5% points of the total score will be applied
4. The essay must be submitted in PDF format maximum on November 9th, 2025 at 23:59 WIB (GMT +7) to gcsc.derrick2k25@gmail.com with the file name and email subject "GCSC_DERRICK2025_TEAM NAME_ESSAY SUBMISSION"
5. The essay must be sent only by the team leader.
6. An essay submitted exceeding the given deadline will be deducted 10% points of the total score. A very minor delay of submission by each team will be considered.



PROJECT REPORT FORMAT

1. The Project Report is written in English with format :

- Font style : Times New Roman
- Font Size : 12
- Heading Font Size : 14
- Line Spacing : 15
- Alignment : Justified
- Left & Top Margin : 4 cm
- Right & Bottom Margin : 3 cm
- Alignment : Justified
- Total Page : 50 pages max (not including attachments)
- Size of Page : A4 Format

2. The Project Report must be following the format above, otherwise, a score deduction of 10% points of the total score will be applied

3. Following is the suggested guideline for preparing Project Report

- Cover
- Executive Summary (max 1 page)
- Introduction (max 3 pages)
- Geoscience Review
- Resource Assessment (max 6 pages)
- Drilling Strategy for Exploration and Delineation (max 6 pages).

4. The Project Report must be submitted in PDF format maximum on November 9th, 2025 at 23:59 WIB (GMT +7) via gcsc.derrick2k25@gmail.com with the file name and email subject: **"leaderGCSC_DERRICK2025_TEAM NAME_PROJECT REPORT"**

5. The Project Report must be sent only by the team

6. Project Report that has been submitted exceeding given deadline will be deducted 10% points of the total score. A very Minor delay of submission by each team will be considered.



PRESENTATION SLIDE FORMAT

- The presentation slide is written and delivered in English
- Each team is given a maximum of 5 minutes to prepare, 15 minutes to do a presentation, and 25 minutes for Q&A Session by the judges.
- Every participants must attend the competition day and cannot be replaced by other participants that aren't registered.
- The Presentation Slide must be submitted in PDF format on November 14th, 2025 at 23:59 WIB (GMT +7) to gcsc.derrick2k25@gmail.com with the file name and email subject as belows:

GCSC_DERRICK2025_TEAM NAME_PRESENTATION FILE

- The Presentation Slide must be sent only by the team leader
- A Presentation Slide that has been submitted exceeding given deadline will be deducted 10% points of the total score. A very Minor delay of submission by each team will be considered.

JUDGING CRITERIA

1. Case Report Quality (20 Points)

- Substantiations
- Logical and Systematic

2. Understanding of Concept (50 Points)

- Understanding the conceptual model and resource assessment method (integrating geoscientific study)
- Well targeting and exploration drilling strategies
- Supporting aspects of the geothermal exploration and field development project

3. Oral Presentation Quality (30 Points)

- Confidence, Clarity, Time, Engaging Audience
- Structure of Presentation



TIME

1. Tardiness of more than 5 minutes from scheduled time may result in a penalty unless the lateness is the fault of the competition committees.
2. The clock by the competition committee is the official time and it is absolute.
3. Each participant should be in the ZOOM main room at least 15 minutes before the presentation start, any reason of tardiness when being assigned to the presentation room will not be accepted.
4. The presentation time will start when the participants begin their presentation.
5. Teams that exceed the presentation time will immediately being stopped by moderator/timekeeper.



TOURNAMENT OFFICIALS

- Judges

There will be three judges. All of the judges decision concerning compliance to the rules and awarding of points will be absolute.

- Moderator

Moderator will guide the competition, enforce the rules and regulations, and also has the right to stop, pause, and continue the presentation.

- Operator

Operator will help the participants operating the presentation file and open any files related to the content of the presentation and also displaying the time.

- Timekeeper

Timekeeper will remind and enforce the time limit.

- Co-host

The co-host is the host of the meeting room and will be in charge of inviting participants to the meeting room.

EQUIPMENT REQUIREMENTS

- All participants must have electronic device (PC or Laptop is preferable) that have installed ZOOM application.
- All participants must prepare a good and sufficient internet connection.
- The committee will operate the presentation file that can be used by the participants.
- Any request for external assistance during the presentation will not be allowed.



KEY DATES

- Early Bird Registration : October 9th– October 12th, 2025
- Normal Registration : October 13th– October 19th, 2025
- Extend Registration : October 20th– October 26th, 2025
- Preliminary Distribution : October 27th, 2025
- Preliminary Submission : November 9th, 2025
- Annoucement Finalist : November 16th, 2025
- Technical Meeting : December 5th, 2025
- Competition Day : December 6th, 2025
- Awarding Night : December 7th, 2025

PRIZES AND AWARDS

The winners of DERRICK 2025 Smart Competition will be awarded money and certificates

Champion

Rp 2.500.000

1st Runner Up

Rp 1.500.000

2nd Runner Up

Rp 1.000.000

CONTACT PERSON

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Competition**

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