

GUIDE BOOK DERRICK 2025



DERRICK
2025 Energy
Innovation
Action



SMART COMPETITION

In Collaboration With:



Organized By:





BACKGROUND

Smart Competition is one of the competition branches in the **Derrick 2K25** event series, presented in the form of a Quiz Competition with the theme Energy, Technology, and Innovation. This competition is designed to sharpen participants' knowledge, **quick thinking**, and analytical accuracy in understanding various issues and developments in the energy world, particularly in the fields of oil and gas, renewable energy, and industrial technology.

The competition aims to foster a **spirit of competitiveness** and **enhance the knowledge** of the younger generation regarding energy transition, technological efficiency, and innovation development in Indonesia's energy sector.

THEME

BUILDING THE ENERGY FUTURE: CONTRIBUTIONS OF PETROLEUM ENGINEERING TO SUSTAINABILITY

VENUE, DATE AND STATUS

Preliminary Round

- Venue : Online via Zoom Cloud Meeting
- Date : 9th November 2025
- Status : Online

Elimination, Quarter Final, Grand Final Round

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



GENERAL RULES

- The DERRICK 2025 Smart Competition welcomes undergraduate students from all universities.
- Each team consists of 3 people and must come from the same university.
- There is no restriction on the number of teams participating in the smart competition from a particular university. But only two teams with the highest points from same university will proceed to the main event.
- All round on this event will be held online
- If the registration of participants exceeds 12 teams, there will be a preliminary.
- Correct answer are determined from the answer key and if the participants answer are different from the answer key, then the correction are determined by the judges.
- All decisions from judges are final and disputable.
- All participants must obey the existing rules, there will be penalty of either deduction point or even disqualifivation.
- All information related to competition activities will be informed by the LO of each team.
- All participants are expected to be able to fill the registration form according to the existing deadline.
- Participants who have made payments cannot withdraw payments for any reason.
- All rules and regulations for DERRICK 2025 can change at any time, if there is a change, it will be immediately informed.



COMPETITION FORMAT

a. Preliminary

1. Preliminary will be held online using the Zoom platform where 1 team will be asked question directly by the question reader. During the competition, all participants are required to switch on the microphone and switch off the background
2. Each team must finish 15 short answer question which consists topics from Drilling, Production, Geology and Geophysics and Trivia.
3. Each correct answer give plus 10, incorrect answer -5, and blank answer none.
4. The top 12 teams with the highest score will be proceed to Elimination.
5. If there are more than two teams from the same university reaching the top 12, only the two (2) teams from the same university with the highest scores will be selected for the Elimination.
6. The top 12 announcements will be informed via Whatsapp.

b. Elimination

1. Elimination will be held online using the Zoom platform.
2. There will be 12 teams competing in Elimination.
3. The 12 teams will be drawn to compete 1 vs 1 using 15 Toss Up Question and Bonus Question for team which can answered 3 Toss Up Question in a row.
4. Each correct Toss Up question plus 10, incorrect answer -5, and blank answer none.
5. Each correct Bonus question plus 10 and incorrect or blank answer none.
6. The competition follows a Modified Swiss Bracket System, consisting on 3 stages:
 - Upper Bracket: Each teams will compete in 6 matches. The winners of each match will proceed to next match and the losers match down to lower bracket. The winners team will compete in 3 matches. The winners will be finalists and the losers match down to lower bracket.
 - Lower Bracket: Six teams who lost in their first match will compete in 3 matches. The winners of each match will face three teams who lost in their second match and the losers will be eliminated. Six teams will compete in 3 matches. The winners will be finalists and the losers down to deathmatch.
 - Deathmatch: The last 3 Teams will compete in 1 initial matches. Two teams with highest score will proceed to Quarter final.

c. Quarter Final

1. Quarter Final will be held online using the Zoom platform.
2. There will be 8 teams competing in Quarter Final.
3. The 8 teams will compete 1 vs 1 using 25 Toss Up Question and Bonus Question for team which can answered 3 Toss Up Question in a row.
4. There will be 4 matches with 4 winners will proceed to Grand Final.
5. Each correct Toss Up question plus 10, incorrect answer -5, and blank answer none.
6. Each correct Bonus question plus 10 and incorrect or blank answer none.



d. Grand Final

1. Grand Final will be held online using the Zoom platform.
2. There will be 4 teams competing in Grand Final.
3. The 4 teams will compete each other using Toss Up Question, Bonus Question and Betting Question.
4. There will be 2 stage in Grand Final:
 - First Stage: This stage will last for 30 minutes. The 4 teams will compete each other using Toss Up Question and Bonus Question for team which can answered 3 Toss Up Question in a row. Every team need to gain score for modal at second stage.
 - Second Stage: This stage will be using Betting Question. Every team got plus 50 score for modal. Every team will bet their score to gain more score if they can answer Betting Question and lose score if didn't answer.
5. The teams with the highest score will declared as the champion

QUESTION FORMAT

1. Toss Up Question

- Each team may buzz in to answer a Toss Up question at any time after the moderator has begun reading the question. If the participants buzz in before the moderator has finished reading, the moderator will stop reading the question and call out the team's name who has buzzed in. Participants have to answer in 5 seconds.
- If the moderator has finished reading the question, participant will have 5 seconds to buzz in.
- An answer to toss-up question must be given within 5 seconds after the moderator called out a team's name. No answer within 5 seconds is considered as wrong answer.
- If there's no team buzz in after the question, there will be no score for participants and move to next question.

2. Bonus Question

- This type of question can only be given by the team who had the right to answered 3 Toss Up Question in a row.
- To answer this question, participants do not have to buzz in.
- Participants will have 5 seconds to answer after the moderator has finished reading the question.
- The team will be awarded 10 points if the answer is correct and there will be no deduction point if the answer is wrong or the team do not answer the question.



3. Betting Question

- This question only given by the team who make it to the second stage grand final.
- Each team must bet their score for each question. Minimum 5 score.
- For team who buzz in and can answer correct will got score as many as the score they bet on. The other team will got deduction score as many they bet to.
- For team who wrong answer the question will got deduction score and the other have chance to answer.

STUDY RESOURCES

Academic: Technical and Fundamental of Petroleum Engineers

- Schlumberger Oilfield Glossary
- OnePetro/PetroWiki
- Petroleum Engineering Handbook
- Energy Information Administration Glossary

Non-academic/Non-technical study

The Prize: The Epic Quest for Oil, Money, & Power, a book by Daniel Yergin

TOURNAMENT OFFICIALS

- **Judges:** Each round will have 3 judges, each judges will have the privilege to determine whether the team's answer is correct or false. The judge's decision is final and cannot be sued after the moderator read the next question
- **Moderator:** There will be two moderators in the preliminary, semifinal, and final rounds. Moderators will read the questions, state the rules of the competition explicitly, and ask the judges to determine the correctness of the team's answer, declare score reward and deduction, and call out the team name who has the right to answer
- **Scorekeeper:** There will be at least one scorekeeper for each round. The scorekeeper will keep and record the official score for each team
- **Timekeeper:** A timekeeper is responsible for standby and notifying the time limits of each stage



ETHICS AND CONDUCT

1. Please be punctual
2. Participants are allowed to use their uniforms
3. Signal between team members and spectators are prohibited. Restricted signal including verbal signal, written signals, body movements, eye contact, and anything else are interpreted as signals by tournament officials
4. Violation of the signal rules will result in forfeiture of the opportunity to answer question. Repeat violations may result in disqualification
5. Any intimidation and physical contact from participant to another and tournaments official will result in disqualification
6. Any cheat action will also result in disqualification
7. Participants are prohibited from bringing cheat or cellphones

REGISTRATION

1. Registration fee for DERRICK 2025 for Smart Competition are :
 - **Early Bird :**
 - i. 100.000 IDR per Team for Domestic Students
 - ii. USD 7 per Team for International Students
 - **Normal :**
 - i. 125.000 IDR per Team for Domestic Students
 - ii. USD 8 per Team for International Students
 - **Extend (if possible) :**
 - i. 150.000 IDR per Team for Domestic Students
 - ii. USD 10 per Team for International Students
2. The teams that are selected for the final round have to pay the remaining fees :
 - **300.000 IDR per Team for Domestic Students**
 - **USD 19 per Team for International Student**
3. Submit the payment receipt to the link that will be given via email after the announcement of preliminary round result and sent your payment through :
 - **BNI 1408613699 (Muhammad Rehan)**
 - **BRI 010701135855500 (Naila Adinda)**



KEY DATES

- Early Bird Registration : October 9th– October 12th, 2025
- Normal Registration : October 13th– October 19th, 2025
- Extend Registration : October 20th– October 26th, 2025
- Technical Meeting Preliminary : November 8th, 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

Naya Vira Salsabila Hasiru

Head of Derrick 2025 International Smart Competition

WhatsApp Number : (+62) 819-1765-1708