



Process Engineering  
and Energy Days  
2020

# Petroleum Integrated Smart Competition

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March 5th - 7th 2020  
University Indonesia



# about

## PETRONATION

The Petroleum Integrated Smart Competition or known as Petronation is one of predominantly branch of competition that matches university best delegation teams each comprises of 3 students against other teams in a fast-paced quiz covering technical and nontechnical aspect of oil and gas industry. The main goal is evolving ones' potential and interest as well as unleashing their quick, agile performance towards energy and industry sustainability, also gain experience and exposure to the utmost impact, regardless of the level they accomplished on the competition ground.

# Benefits

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- Win a total prize of IDR 10.500.000 + Benefit from our partners
- As a participant of Petronation, you will get the opportunity to:
  - Excel your full understanding and knowledge in every aspect of oil and gas industry.
  - Challenge your agile performance and become a quick thinker.
  - Compete with other world's young energy enthusiasts.
  - Broaden your international network and connect with students, professionals, and prestigious global companies.

# Terms and Condition

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- The registration system is 'First Register First Serve', the first 18 teams who have registered and pay the registration fee will automatically be accepted as our participants. There other registrants will be listed on the waiting list.
- The registration fee for
  - Early bird : Rp.100.000,-
  - Normal registration : Rp. 150.000,-
  - Accommodation, Consumption, and Transportation : Rp. 575.000,-
- The competition is open to all undergraduate students who are pursuing bachelor's or diploma degree in any engineering or natural science discipline.
- The participants of PGD Petronation must be actively enrolled as university students and haven't graduated by the time of PGD UI's Petronation registration period.
- Each team must consists of 3 members. The members could come from different majors, but must be from the same university.
- Each university can only send maximum 2 teams  
One participant can only participate in one team.

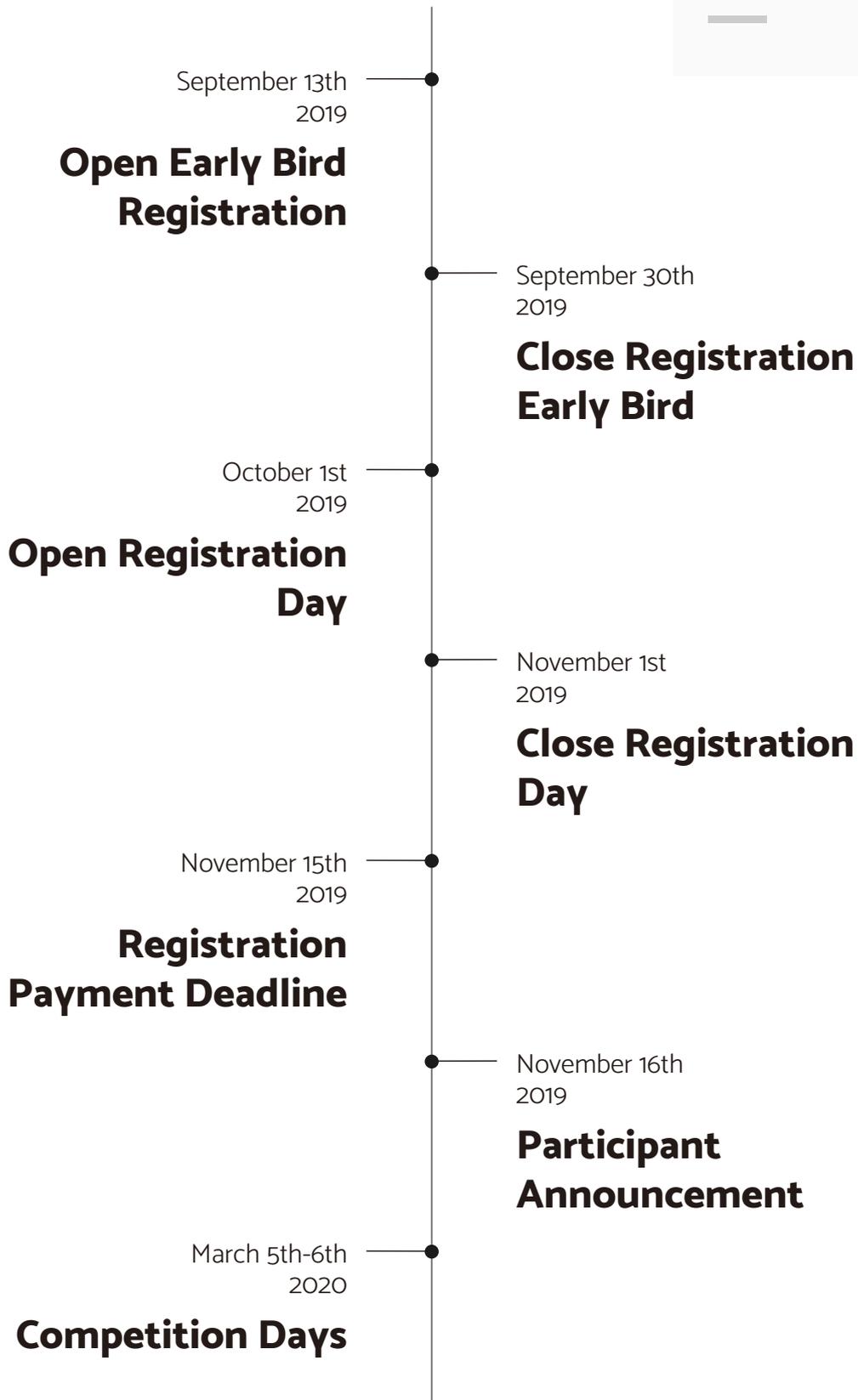
# Rules and Regulation

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- Every communication in the competition either in verbal or written will be done in English.
- Participants may not use reference materials during the competition.
- All teams will be allowed two (2) appeals during the competition. Appeals must be expressed immediately to the Moderator after a decision and before the next question is read.
- Paper, pens, pencils, and calculators will be provided by the official.
- Judges decisions are final and inviolable Any purposeful act of dishonesty observed by any Petronation official, will be considered as a cause of disqualification.
- Any changes of rules and regulations will be notified to all participants prior to the competition.
- In all rounds, the clock starts when the moderator begins reading the first toss-up question.

The clock shall not stop, except: When an appeal has been expressed by the captain of a competing team. When stopped by a tournament official to resolve a problem or to replace a question.

# Timeline



# Registration Process

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## Register

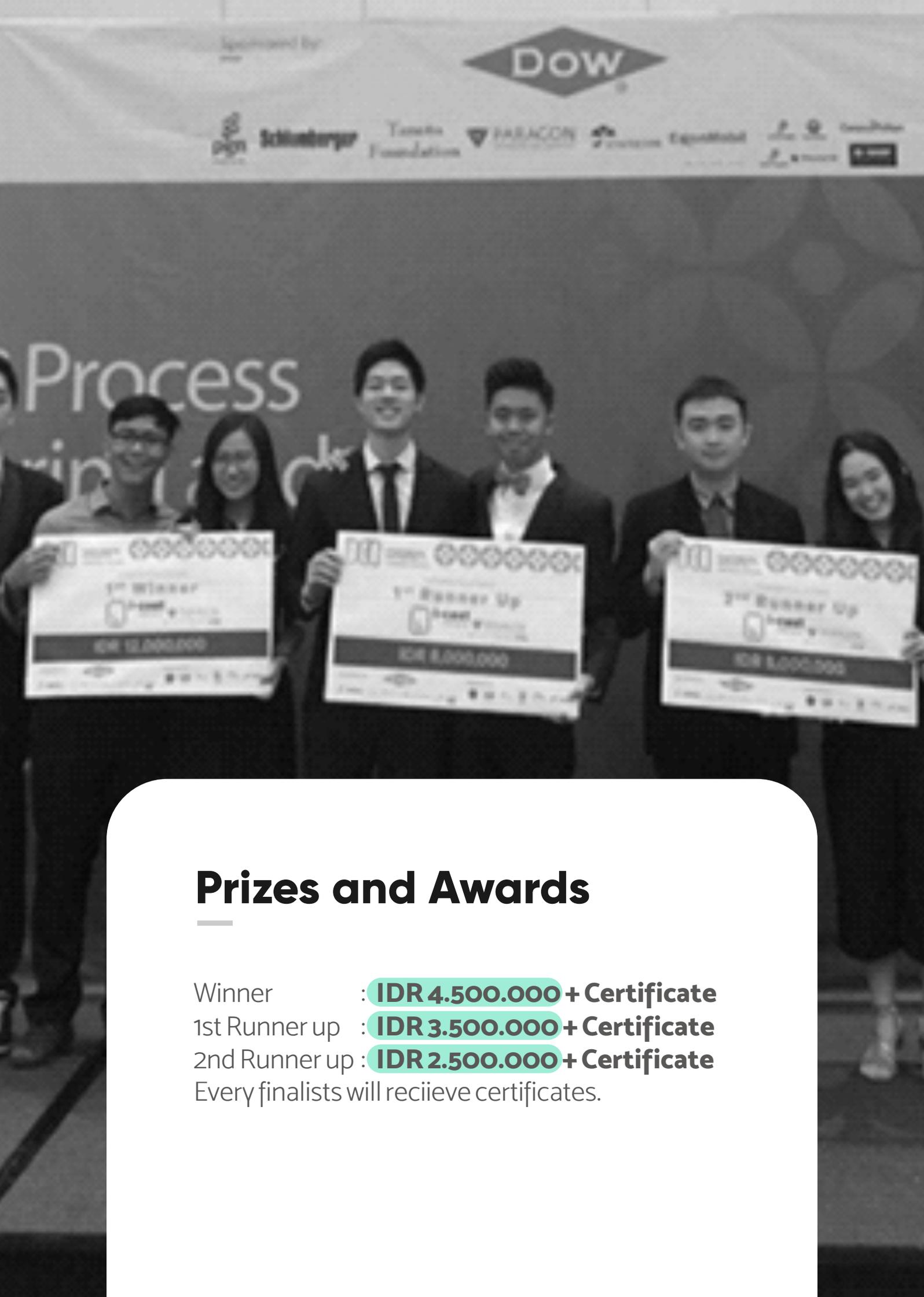
Register via [pgdui.com/petronation](http://pgdui.com/petronation) and provide valid data (a. general information: team name, university; b. personal information: full name, email, phone number, major, year in major, student card)

## Pay

The first 18 registrants will receive an email for the payment guidelines (max. 3x24 hrs). Participants have to send the receipt as an attachment in pdf by email. The not-18-first-registrants will be on the waiting list and will be notified if they get the chance to participate.

## Ready to Compete

The finalists will be notified and should be ready to compete. Any special requirement prior to the main event day from the participants must be requested to PGD UI team.



## Prizes and Awards

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Winner : **IDR 4.500.000 + Certificate**

1st Runner up : **IDR 3.500.000 + Certificate**

2nd Runner up : **IDR 2.500.000 + Certificate**

Every finalists will receive certificates.

# Game Format

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## Competition Stage

### Elimination Round

- Preliminary round will be conducted in double elimination bracket-style process in which each three teams compete and the winning team (the team with the highest score) advances to the next round (upper bracket semifinal round), while the losing teams will advance to the lower bracket elimination round.
- The game will be a time-based for 8 minutes and consists of Toss Up and Bonus Questions

### Semi Final Round

- Semi-final round will consist of three teams in each game. The team with highest score will go straight to the final, while the losing team will compete in lower bracket semi final round.
- The questions will consist of Toss Up and Bonus Questions. Each game will be conducted for 10 minutes.

### Final Round

- Final round will consist of three teams, two teams from upper bracket and one team from the winner of lower bracket.
- The questions in Final Round will consist of Puzzle Questions for 15 minutes, Toss Up and Bonus Questions for 10 minutes, and Grading Points Questions until 100 points with 10 points interval.
- The team with the highest point will be the 1st Winner, the team with the second highest will be the 1st Runner-Up, and the other one will be the 2nd Runner-Up.

# Game Format

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## Question

### Toss up Questions

- For this type of questions, the moderator will toss up a question and the player may buzz in (by pressing buzzer) to answer the question as soon as the moderator begin reading. Once a player has buzzed in, the moderator first will recognize the player who buzzed in and declared verbally the team's name
- After the moderator mention the team's name, the player is given 5 seconds to answer. Answering after that 5 seconds or no answer will be considered wrong.
- If one buzz in before the moderator has finished reading the question, the moderator will stop reading and the player should answer. If the player get it wrong, the moderator will repeat the question for the other team
- Players have 5 seconds to buzz in after the moderator has finished reading the question. If no team buzz in, the question will be considered burnt, right after the timekeeper said 'up'.
- First answer is the only answer that will be accepted by the committee and judges
- The correct answers will be rewarded 10 points each while 5 points will be taken from your score for wrong answers. It is considered 0 points if no one answered.

## **Bonus Questions**

- This type of questions will be given if one just answered a toss up question correctly. The only team who can answer this question is the team who just answered the toss up question.
- 15 seconds will be given after the moderator has finished the reading. Within that time, players may ask the moderator to repeat the question (using the time they're given). When the time is up, the team captain or the members should answer.
- Players can also answer bonus questions during the reading of the questions or within the 15 seconds they're given
- Discussion is allowed between team members during bonus questions as time is still going
- There's no need to press the buzzer or waiting until the moderator says your team's name to answer
- For correct answers, 10 points will be added to the team's score and no points will be given for unanswered questions or wrong answers.

## Grading Point Questions

- Grading points questions can only be found in the final game
- Players may buzz in to answer.
- The moderator will recognize your team and declare your team name verbally, only after that players can answer the question After the moderator mentions the team's name, the player is given 5 seconds to answer. Answering after that 5 seconds or no answer will be considered wrong.
- Player may buzz in during the reading of questions or will be given 5 seconds to buzz in after the moderator has finished reading the questions.
- There will only be 10 questions, with 10-100 points for each question, based on order of the reading.
- However, if players answer the questions wrong, there will be deduction of half amount of the current question's score. E.g: for 40 points question, team A answers correctly. 40 points will be added to their scoreboard. Meanwhile, if team A answers wrongly, 20 points will be taken from their current score.

## Puzzle Questions

- This fun game will be the first part of the final round. The puzzle type is jigsaw puzzle that consist of 3x3 tiles with each tile containing a question
- For this game, players will take turn to answer the question tile they have chosen, starting from the team with the highest score from the previous round
- Once a team choose a tile, the tile will be opened. The question will be shown on the projector. That team will be given 30 seconds to think and discuss.
- Within the 30 seconds, the team may answer. However, after the 30 seconds, the team captain or the member who is designated to answer should answer right away.
- If the time is up and no answer from the team or the team answers it incorrectly, the tile is then closed again, means the other team can choose and answer that tile at their turn.
- Tiles which have been answered by a team correctly will be flipped and shown as a piece of a puzzle which cannot be answered afterwards by other teams
- When complete, the puzzle will show a full picture. The clue/question related to the picture will be given at the beginning of the puzzle game by the moderator.
- If one team answers correctly, they have a chance to guess or answer the question for the complete puzzle's picture.
- Points for this game are 10 points for each tile answered correctly, but no points for those answered wrongly or unanswered. If a team succeed in guessing/answering the puzzle's picture, they will be awarded 30 points for each puzzle.
- Players will have 15 minutes to have fun collecting points from this game

# Game Format

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## Rules

### Correct Answer

- The moderator will accept only the first answer given by a player, except for multiple answer questions. Only the first portion of a multi-part answer to a singular question will be considered, even if the rest of the answer contains the correct response. For example, if a player says “Methanol, MEG” the judge will consider only “Methanol”. The moderator/judge(s) reserves the right to request participants to repeat and/or elaborate their answer. Modifying words before the first noun of a response are considered as one answer with the noun.

## Time

- Tardiness of more than 5 minutes from the scheduled match time may result in a forfeit, unless the lateness is the fault of the tournament, or the tournament officials are satisfied with other good cause.
- In all rounds, the clock starts when the moderator begins reading the first toss-up question.
- The time structure of each round is as follows:
  - Elimination Round : 8 minutes of Toss Up and Bonus Questions
  - Semifinal Round : 10 minutes of Toss Up and Bonus Question
  - Final Round : 15 minutes of Puzzle Questions, 10 minutes of Toss Up and Bonus Questions, and Grading Points Questions until 100 points with 10 points interval.
- When the clock sounds the end of time, the game shall end, except in the following scenario:
  - A team who has buzzed in on a toss-up question is allowed to answer that toss-up and, if correct, earns a bonus question. If incorrect, the other team will have a chance to answer the toss-up question and earn a bonus question.
  - A team will be read its entire bonus question, even if time expires during the bonus or before the bonus is read. Teams will be advised of their timing limitations by the timekeeper.
- The team with more points at the end of the game wins. In the event of a tie: There will be an overtime period, the moderator will continue to read toss-up questions until the score changes. Bonuses are not used in overtime. A score change can happen if:
  - A team answers correctly and receives points to win the game or;
  - A team answers incorrectly and is given negative points, in which case the other team wins by default.
- The clock shall not stop, except:
  - When an appeal has been expressed by the captain of a competing team.
  - When stopped by a tournament official to resolve a problem or to replace a question.
- The clock used by the time keeper is the official time and is not contestable.

# Contact Person

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Pramudita Sotama (081281834547)  
aditpram12@yahoo.com

Yovita Wilona (085691337393)  
y.wilona@gmail.com