NEXUS KNOWLEDGE

YOUNG SCIENTISTS FESTIVAL

GUIDE BOOK

NEXUS Knowledge 2025

01 INTRODUCTION

NEXUS KNOWLEDGE

YOUNG SCIENTISTS FESTIVAL

In response to today's complex global challenges—such as social inequality, climate change, limited resources, and gaps in education—Nexus Knowledge, founded by scholars from Petra Christian University, Bina Nusantara University, and Yayasan Indonesia Sejahtera Barokah, aims to empower future generations through research and innovation. Its flagship program, the Young Scientist Festival (YSF), offers high school students an international platform to explore real-world issues, engage in interdisciplinary research, and present innovative, research-based solutions through clear scientific communication.

Through this initiative, Nexus Knowledge empowers young minds to become agents of change and contribute meaningfully to both national development and global progress.

02 GOALS

Broaden perspectives and foster local awareness

Encourage high school students to deepen their understanding of local issues that align with the Sustainable Development Goals (SDGs), sparking creativity and problem-solving to develop relevant, impactful solutions that meet real community needs.

Foster global connections and youth collaboration

Provide students and schools with opportunities to engage with international peers, exchange ideas, and gain insights from diverse cultural and scientific perspectives—encouraging long-term collaboration and shared commitment to solving both local and global challenges.

Build essential research and scientific literacy skills

Equip students with critical analysis, synthesis, and scientific writing abilities, empowering them to investigate local challenges through a scientific lens and create solutions with real-world applications—including potential collaborations with industry partners. Selected teams will also have the opportunity to present their findings at an international science conference.

Develop 21st-century science communication skills

Empower participants to convey scientific ideas and locally rooted innovations effectively through storytelling, digital media, and engaging presentations that raise awareness, inspire action, and attract interest from broader communities, including industry stakeholders.

03 TIME SCHEDULES

21 APR	Early Publication of Young Scientists Festival 2025
7 MAY	Technical Guidance & Young Scientists Festival 2025 Launch for students and teachers (ONLINE)
6 OCT	Final date for registration and paper submission

TENTATIVE SCHEDULE
YOUNG SCIENTISTS FESTIVAL 2025

30 OCT	Opening Ceremony Booth set up by the participants 30-Second Booth Impressions Challenge Young Scientist Festival Reel Challenge The announcement
31 OCT	1st Session Assessment by the judges 2nd Session Assessment by the judges
1 NOV	Awarding Ceremony Coaching Clinic for Top 10 by the judges
1 DEC	Grand Prize Winner Announcement on Young Scientists Festival official instagram account

04 COMPETITION MECHANISM

- Participants must be high school students and form teams consisting of a maximum 3 people from the same school.
- Each participant may only register for one team.
- Each team will submit one scientific paper.
- Each team must register at ***nexusknowledge.id*** by completing the required information.
- Teams must submit a research project paper according to the provided structural and formatting guidelines.
- All submissions must be made online through the official website.
- Papers that do not adhere to the formatting or content guidelines will be returned for revision.
- A maximum of two revisions is allowed. Failure to meet the guidelines after the second revision will result in rejection.
- Once accepted, teams must complete the registration payment before October 6, 2025.

05 SUBMISSION GUIDELINES

Research Project Paper

Structure of the Research Project Paper
1. Abstract
A short summary (about 150–250 words) of the entire project, including the problem, method, and expected or actual outcome.

2. Introduction & Background
Explains the context of the problem, why it matters, and what has already been discovered about it. This is where you build interest and show why your research is important.

3. Research Question and Objectives
Clearly state the question your project is trying to answer and list the specific goals you want to achieve.

4. Hypothesis (if applicable)
A predicted answer to your research question based on prior knowledge. This section is optional, especially for design or social science projects.

5. Research Methods or Project Plan
Describe how you plan to answer your research question or solve the problem. Include tools, materials, steps, and procedures. If you did an experiment, explain how you conducted it.

6. Expected or Actual Results and Discussion
If your project is ongoing, explain what you expect to find and why. If it's finished, share the results and what they mean. Discuss any patterns, surprises, or limitations.

7. Conclusion
Summarize what you learned or hope to learn. Reflect on how your findings can be applied or developed further.

8. Acknowledgments
Give credit to people or organizations who supported your work (teachers, mentors, institutions, etc.).

9. References
List the books, articles, websites, or other sources you used to build your background and support your project.

Language: English
Length: maximum 6 pages (including references)
Format:
- Microsoft Word (.docx)
- Font: Arial, size 10
- Line spacing: 1.5
- Margins: 2.54 cm on all sides
- Layout: A4 size, two columns, justified alignment

It is strongly recommended to use the document template available on *nexusknowledge.id* to ensure proper formatting.

06 PARTICIPANT EXPECTATIONS

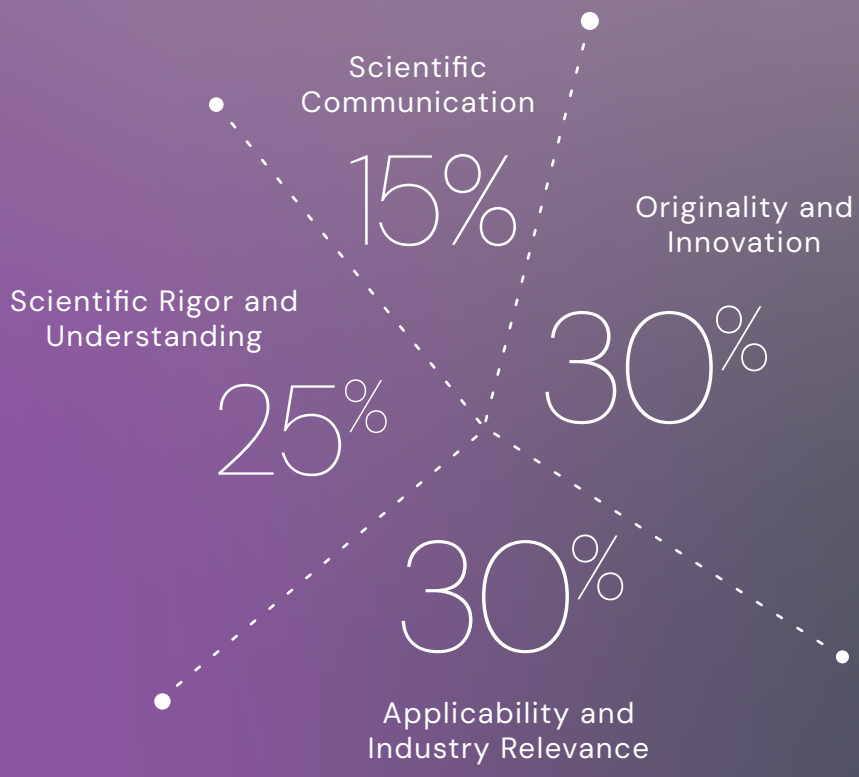
The theme for Young Scientist Festival 2025 is **"Science and Technology",** inviting participants to explore innovative ideas and solutions within these fields.

The Young Scientists Festival 2025 encourages **interdisciplinary exploration, scientific inquiry, and practical experimentation** among high school students. Projects should be rooted in the **scientific method, demonstrate critical thinking, and address real-world challenges aligned with the United Nations Sustainable Development Goals (SDGs)**. Projects that **aim to solve real problems faced by your community or society** are especially encouraged, as they tend to be more relevant, impactful, and applicable in real-life contexts.

Areas of particular focus include:

- SDG 3: Good Health and Well-being – Innovations in health and biomedical sciences
- SDG 7: Affordable and Clean Energy – Research in environmental science and sustainability
- SDG 9: Industry, Innovation, and Infrastructure – Engineering, technology, and entrepreneurial solutions
- SDG 1: No Poverty and SDG 2: Zero Hunger – Scientific advancements in agriculture, food security, and resource equity

07 ASSESSMENT CRITERIA



08 AWARDS & RECOGNITION

Registration Fee

Rp1,500,000 per team (for national participants)
USD 100 per team (for international participants)

Each team will receive:
- Meals
- T-shirts
- An exhibition booth (includes tables and chairs)

*Quantities for meals and t-shirts are based on the number of participants registered and attending in person.

To appreciate the innovative and scientific efforts of all participants, **each team will receive either a gold, silver, or bronze medal**. The type of medal will be determined based on the overall quality of their project and their discussion with the judges during the exhibition.

In addition to these medals, teams and individuals may also receive the following special awards:

1st Winner
Awarded to the team with the highest overall score based on originality, scientific rigor, real-world applicability, and effective communication.

2nd Winner
Given to the team with the second-highest total score, demonstrating strong research quality, problem-solving ability, and innovation.

3rd Winner
Awarded to the team with the third-highest score, recognizing excellence in scientific thinking, creativity, and presentation.

Grand Prize
(The First, Second, and Third Place winners will have the opportunity to compete for Grand Prize)
This prize offers a chance to submit their research project paper to an international, Scopus-indexed conference abroad, following a series of mentoring sessions with our professors.

Most Interactive Booth
Best Presenter
Most Innovative Project
Tech for Good
Most Favourite Reels
Crowd Favourite

09

PARTICIPANT GUIDELINES

1. Every participant must follow the steps in this guide as part of the official registration process for all YSF 2025 competitions.

2. Make sure you follow our official Instagram account : **@youngscientists.festival**

3. Your Instagram post should include two slides:
   Slide 1 : A Twibbon with your personal photo
   Slide 2 : Young Scientist Festival 2025 Poster

4. You can download the Twibbon and Poster on ***https://nexusknowledge.id***

5. Use a clear, half-body photo of yourself wearing neat and polite attire for the Twibbon.

6. Post it on the main feed of your personal (non-private) Instagram account using this caption format :

   Ready to explore, create and inspire at YSF 2025!
   Hi! I'm **(Your Full Name)** from **(Your School Name)**, and I'm super excited to join the Young Scientist Festival 2025!
   (Write your hopes or goals for joining YSF 2025 – for example: "I hope to challenge myself and bring fresh ideas that can make a difference!")
   "Science is not just about answers—it's about asking better questions!"
   @youngcientists.festival **(mention your team members' Intagram accounts)**

   #YSF2025
   #ExploreCreateInspire
   #YoungScientistFestival
   #BePartOfTheSolution

powered by :

more information on :

@youngscientists.festival

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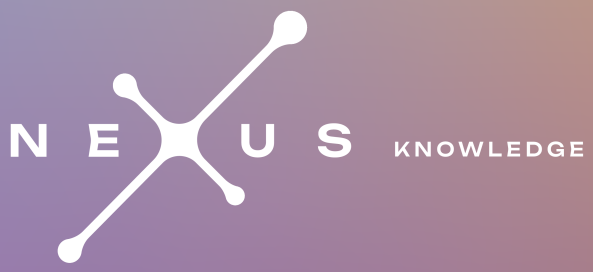
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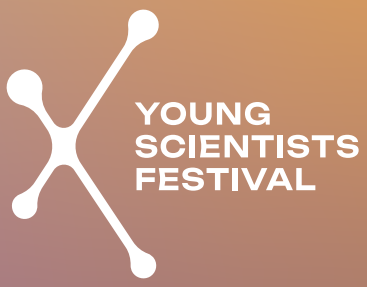
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