

GUIDEBOOK

7th ISISF 2025

INTERNATIONAL SCIENCE AND INVENTION FAIR



NOVEMBER 2025

 **BALI, INDONESIA**

IYSA AFFILIATION

INTERNATIONAL



NATIONAL





Important Things After Registration

1

After receiving your registration, the committee will send the confirmation letter by email within 1 x 24 hours and LOA will be sent to the team leader's email no later than 3 x 24 hours

2

Make sure the leader team join the whatsapp group link that already attached on the LoA.

3

Make sure your leader team got the invoice in the email that including the link drive to upload extended abstract and proof of payment.

4

Make sure your team collect the extended abstract and the proof of payment before deadline

5

Collect all required documents and make payment before the deadline.

TERM AND CONDITION

PESERTA *ONLINE*

1. Peserta yang tidak mengumpulkan dokumen persyaratan (extended abstract, Power point) setelah dua kali pengingat akan dianggap mengundurkan diri secara otomatis.
2. Peserta wajib menggunakan judul dan extended abstract yang sesuai dengan kategori yang diikuti. (Peserta internasional, wajib menggunakan bahasa Inggris untuk seluruh persyaratan dokumen yang dibutuhkan)
3. Keputusan panitia terkait hal ini bersifat final dan tidak dapat diganggu gugat.

ONLINE PARTICIPANTS

1. Participants who do not submit the required documents (extended abstract, Power point) after two reminders will be considered automatically to have dropped out.
2. Participants must use the title and extended abstract in accordance with the category they are participating in. (International participants, must use English for all required documents)
3. The committee's decision regarding this matter is final and cannot be contested.

TERM AND CONDITION

PESERTA OFFLINE

1. Peserta yang tidak mengumpulkan berkas persyaratan (extended abstract, poster) setelah dua kali pengingat akan dianggap mengundurkan diri secara otomatis.
2. Peserta wajib menggunakan judul dan extended abstract yang sesuai dengan kategori yang diikuti. (Peserta internasional, wajib menggunakan bahasa Inggris untuk seluruh requirement)
3. Peserta diwajibkan untuk membuat poster berukuran A0, membawa produk dan juga paper/extended abstract (dalam bentuk hard copy) pada saat sesi penjurian.
4. Pemberian penghargaan kepada peserta akan dilakukan sesuai dengan urutan yang telah ditetapkan dalam susunan acara (peserta tidak diperkenankan untuk meminta award sebelum gilirannya).
5. Peserta diwajibkan untuk mengikuti seluruh rangkaian kegiatan sesuai dengan jadwal yang telah disusun oleh panitia penyelenggara.
6. Bagi peserta offline yang berhak atas hadiah Best booth, Best Poster, Best Presentation, Best Project, uang tunai, semi grand award, dan grand award namun tidak dapat hadir pada acara penyerahan hadiah, maka hadiah yang bersangkutan dinyatakan hangus.
7. Keputusan panitia terkait hal ini bersifat final dan tidak dapat diganggu gugat.

OFFLINE PARTICIPANTS

1. Participants who do not submit the required files (extended abstract, poster) after two reminders will be considered automatically to have dropped out.
2. Participants must use the title and extended abstract in accordance with the category they are participating in. (International participants, must use English for all requirements)
3. Participants are required to make an A0-sized poster, bring the product and also the paper/extended abstract (in hard copy) during the judging session.
4. The awarding of awards to participants will be carried out in accordance with the order set out in the schedule of events (participants are not allowed to request awards before their turn).
5. Participants are required to follow the entire series of activities in accordance with the schedule prepared by the organising committee.
6. For offline participants who are entitled to the Best booth, Best Poster, Best Presentation, Best Project, cash, semi grand award, and grand award prizes but cannot attend the prize distribution ceremony, the prizes concerned will be declared forfeited.
7. The committee's decision regarding this matter is final and cannot be contested.



NOVEMBER

2025

BACKGROUND

Creating innovative works is a must in today's modern era. These demands can be pursued by students and students as a milestone for the future of a nation. With this in mind, the Indonesian Young Scientist Association (IYSA) organized a competition on science, education, environment, and social science called the International Science And Invention Fair (ISIF). ISIF is a competition for creativity in the field of scientific innovation and invention among students (SD/SMP/SMA/University) and students at the International level. This activity is expected to foster creativity and innovation in the fields of science, education, environment, and social science.

In the first year (2019) ISIF was held offline and was attended by 160 teams from 5 – 10 countries. Furthermore, for the 2nd year (2020), due to the pandemic, ISIF is being held online. but this did not dampen the enthusiasm of the participants as evidenced by the increasing number of ISIF participants to 400 teams from 30 countries, namely: Indonesia, Malaysia, Filipina, Vietnam, Turkmenistas, Uni Arab Emirat, Meksiko, Thailand, India, Brazil, Singapura, Belarusia, Afrika Selatan, Chile, Makau, Ecuador, Puerto Rico, Amerika Serikat, Hongkong, Bosnia, Kazakhstan, Bangladesh, Iran, Romania, Korea Selatan, Kolombia, United.

And for the 3rd year (2021) of ISIF we still hold online competition. Although it is implemented in a online but this did not dampen the enthusiasm of the participants as evidenced by the increasing number of ISIF participants to 410 teams from 36 countries. In the fourth year (2022), ISIF was conducted in a hybrid competition, combining online and offline, and was held in Bali, Indonesia. This innovative approach did not diminish the interest of participants. Instead, the event attracted 507 teams from 32 countries, reflecting the growing enthusiasm for this international competition. Similarly, in the following years, ISIF continued to grow in both scope and scale. In 2023 and 2024, the number of participating teams reached an impressive 816 from 24 countries, solidifying ISIF's reputation as a premier platform for scientific innovation and invention at the international level.



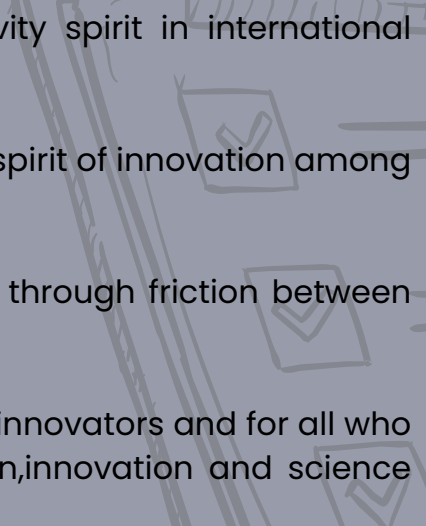
Objective

For this year, ISIF collaboration with Sekolah Vokasi Universitas Diponegoro presents a series of ISIF activities that have different colors with the aim of creating dynamic competition in the scope of scientific innovation, education, social science, and environment.

The consistent growth in participation demonstrates the increasing recognition of ISIF as a global stage for students to showcase their creativity and innovation. Through this competition, young scientists and inventors are not only encouraged to develop groundbreaking ideas but also gain invaluable experience in collaboration and knowledge exchange with peers from around the world.

By fostering a spirit of creativity and innovation, ISIF continues to contribute to the development of future leaders in science, education, environmental , and social sciences. It underscores the importance of nurturing young talent to meet the challenges of the modern era and drive progress for the betterment of society globally.

OBJECTIVES

- Making innovation events to develop the creativity spirit in international students.
 - Developing the skills of scientific research and the spirit of innovation among international students.
 - Exchanging innovation and invention experiences through friction between students around the world.
 - Giving appreciation and awarding to all inventors, innovators and for all who contributed for our better world through invention,innovation and science projects events.
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TIME SCHEDULE

NOVEMBER

2025



03

OCT, 2025

REGISTRATION DEADLINE

10

OCT, 2025

PAYMENT DEADLINE

10

OCT, 2025

SUBMISSION DEADLINE

03

NOV, 2025

OPENING CEREMONY AND ONLINE JUDGING FOR ONLINE PARTICIPANT

04

NOV, 2025

ONLINE JUDGING DAY 2 (TENTATIVE)

06

NOV, 2025

AWARDING CEREMONY FOR ONLINE PARTICIPANTS

NOVEMBER

TIME SCHEDULE

2025

11

NOV, 2025

ARRIVAL

12

NOV, 2025

**OPENING CEREMONY FOR
OFFLINE PARTICIPANTS**

13

NOV, 2025

**BOOTH SET UP
JUDGING OFFLINE DAY 1**

14

NOV, 2025

JUDGING OFFLINE DAY 2

15

NOV, 2025

FREE TIME

16

NOV, 2025

**AWARDING CEREMONY FOR
OFFLINE PARTICIPANTS**

17

NOV, 2025

EXCURSION

18

NOV, 2025

DEPARTURE



TENTATIVE ITINERARY

Jakarta Time

DATE	TIME (TENTATIVE)	DESCRIPTION	Location
November 3rd, 2025	08.30-09.30 WIB	Opening Ceremony Online Participant	Zoom
November 4th, 2025	10.00 WIB-Finish	Online Judging	
November 6th, 2025	14.00 WIB - Finish	Awarding Online Participants	



TENTATIVE ITINERARY

Bali Time (GMT+8)

DATE	TIME (TENTATIVE)	DESCRIPTION	
November 12th, 2025	13.00-15.00	Opening Ceremony for Offline Participants	TBA
November 13th, 2025	07.30-10.00 WIB	Booth Set Up for Participant Day 1	TBA
	10.00-12.00	Offline Judging	
	12.00-13.00	Break	
	13.00-16.00	Offline Judging	
November 14th, 2025	07.30-10.00 WIB	Booth Set Up for Participant Day 2	TBA
	10.00-12.00	Offline Judging	
	12.00-13.00	Break	
	13.00-16.00	Offline Judging	
November 15th, 2025	Free Time		TBA
November 16th, 2025	10.00-12.00	Awarding Ceremony Offline Participant	TBA
	12.00-12.45	Break	
	12.45-18.00	Awarding Ceremony Offline Participant	
November 17th, 2025	07.30 -Finish	Excursion	TBA

PARTICIPANTS CRITERIA

- Participants are students from elementary, secondary, and university level in **Around the World**
- Each team consist of maximum 6 students
- Each Team may consist of maximum 1 supervisor
- The title contested is an original work and has never been contested before.

Categories



MATHEMATICS



PHYSICS, ENERGY AND
ENGINEERING



LIFE SCIENCE



SOCIAL SCIENCE



ENVIRONMENT



EDUCATION



TECHNOLOGY

Categories Description

- **Mathematics**

The "Mathematics" category welcomes projects that explore innovative mathematical concepts, theories, and applications. This includes both pure and applied mathematics, such as the development of new models, algorithms, or solutions to real-world problems. Projects may also showcase interdisciplinary research combining mathematics with fields like physics, engineering, or computer science

- **Physics, Energy and Engineering**

Energy plays an important role in everyday life, industry, and environmental sustainability, and can be transformed from one form to another to meet human needs, such as electricity generation, transportation, and heating.

- **Life Science**

Life Science is a fundamental discipline that studies various aspects of life and living organisms, including their structure, function, growth, evolution, and ecology. Its focus lies in understanding biological phenomena without directly aiming for practical applications.

- **Environment**

The interdisciplinary academic field that studies the interactions between physical, chemical, and biological components within the environment, with a particular focus on human impact.

- **Education**

This category focuses on the use of technology to improve the quality of learning. From developing online learning platforms to using games in learning, the goal is to create a more engaging and effective learning experience.

- **Technology**

This category focuses on the use of technology to improve the quality of learning. From developing online learning platforms to using games in learning, the goal is to create a more engaging and effective learning experience.

- **Social Science**

Entities, objects, or non-objects created in an integrated manner through action and thought to achieve a value. In this usage, technology refers to tools and machines that can be used to solve real-world problems.

Mechanism of Competition

1. Online Competition

- The entire participating team will facilitate the judging process through the Zoom platform.
- The presentation must be conducted in English, and the presentation material (PowerPoint) should be created using proficient and accurate English.
- Each team will be allocated 15 minutes, divided into 7 minutes for the presentation and 8 minutes for the Q&A session with the judges.
- During the presentations, participants are required to showcase their products.

2. Offline Competition

- Each team is obligated to bring an A0 size poster and embellish the booth/table provided by the organizing committee. The decoration should be tasteful and in accordance with the project theme, avoiding excessiveness.

JUDGING CRITERIA

Urgency : 30%

Visibility : 20%

Relevance : 30%

Presentation : 20 %

DOCUMENTS REQUIRED

1. Online Competition

1. Extended Abstract (see attachment)

Format of Extended Abstract

- Research background, problem formulation and research objectives
- Materials and methods used
- Discussion
- Conclusions and suggestions

Extended abstract is maximized 10 pages outside of the bibliography/reference used to support the research.

Provisions Extended Abstract

- Abstract made in English
- Font : Arial (12), Line Space : 1, Margin : 4,3,3,3 (left, right, top, bottom), Justify, A4 paper size
- Extended abstract in PDF and Ms.Word

2. Power Point

- Presentation are able to be delivered in English, as well as the presentation material (in powerpoint format).
- Each team has 7 minutes to Present their work and 8 minutes to feedback by the judges. Each team has 15 minutes in front of the jury.
- Each team must bring the product during the presentation.

2. Offline Competition

Extended Abstract

Format Extended Abstract

- Research background, problem formulation and research objectives
- Materials and methods used
- Discussion
- Conclusions and suggestions

Extended abstract is maximized 10 pages outside of the bibliography/reference used to support the research.

Provisions Extended Abstract

- Abstract made in English
- Font : Arial (12), Line Space : 1, Margin : 4,3,3,3 (left, right, top, bottom), Justify, A4 paper size
- Extended abstract in PDF and Ms.Word

2. Poster

- Poster describes the method used.
- Posters are made in A0 size.
- Format and Design can be adapted to the research conducted.

AWARD

For Online Competition

Special Award

Grand Prize

Semi Grand Award

For Offline Competition

Special Award

Grand Prize

Semi Grand Award

Grand Award



POSTER LAYOUT

Event Logo	FLAG	Organizer logo
	COUNTRY OF ORIGIN PROJECT TITLE	
INTRODUCTION		METHODE
DATA AND DISCUSSION		CONCLUSION
RECOMENDATION		
REFERENCES		

1 X 1 M

BOOTH LAYOUT



EXAMPLE OF EXTENDED ABSTRACT

Type your paper title here (Arial, Bold, 14)

1st Author1, 2nd Author2, 3rd Author3 and so on... (Arial, 12)

- 1) 1st Author Affiliation, Faculty, University/Institution, City, Nation (author1 @university.ac.id);
2) 2nd Author Affiliation, Faculty, University/Institution, City, Nation (author2@institution.go.id);
3rd Author Affiliation, Faculty, University/Institution, City, Nation (author3@institution.go.id).

(Times New Roman, 10; the presenter's name should be underlined)

Abstract (Arial, Bold, 12)

Abstract should be written in proper academic English. Write Times New Roman (10). The abstract should be no more than 200-250 words, written systematically in one paragraph from objective, method, result and conclusion. The page setup: paper size A4, all margin 2.5 cm. The maximum allowable pages of full paper are 10. All line spacing is 1.0 and file is saved in doc or rtf format only. If necessary, it can be compressed (.rar / .zip) to reduce the file size.

Keywords: keyword 1, keyword 2, and keyword 3 (Italic, maximum five)

1. Introduction (Times New Roman, 11, Bold)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

(Times New Roman, 10) References are

written

after sentence in ordering number i.e. [1] or

[1-

3] or [1,2,5,7], etc.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

(Times New Roman, 10)

4. Conclusion (Times New Roman, 11, Bold)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

(Times New Roman, 10)

2. Method and Experimental Details (Times New Roman, 11, Bold)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

(Times New Roman, 10)

5. Acknowledgements (Times New Roman, 11, Bold)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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(Times New Roman, 10)

3. Result and Discussion (Times New Roman, 11, Bold)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

6. References (Times New Roman, 11, Bold)

(Times New Roman, 10)

[1] XXXXXXXXXXXXXXXXXXXX

[2] XXXXXXXXXXXXXXXXXXXX

[3] XXXXXXXXXXXXXXXXXXXX

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Other details

It is expected that all papers have the same writing format. Please prepare your paper with the guidelines that we have prepared. The introduction section until references section is written in **two columns**. Leave space between paragraphs.

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Venue



DENPASAR, BALI, INDONESIA

CONTACT PERSON



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