



KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
UNIVERSITAS DIPONEGORO

FAKULTAS TEKNIK

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Site: <http://www.ft.undip.ac.id> – Email : teknik@undip.ac.id

Dear, King Mongkut's University of Technology North Bangkok

INDISCO committee at the Diponegoro University, Indonesia, would like to invite the undergraduate student of King Mongkut's University of Technology North Bangkok to participate in the event: The 11th Industrial Design Seminar & Competition (**INDISCO 11**).

INDISCO which the first has been held in 2009 is an industrial product design competition combined with national seminar. It is held by *Industrial Engineering Student Association* of Diponegoro University.

INDISCO committee invites participants from several universities in Indonesia and overseas as well, especially in South East Asia. This year, INDISCO 11 takes themes of "**Space-saving and Eco-friendly Design for Standardized Products' Improvement**". INDISCO 11 will be followed by a range of fun activities to develop students' creativities and innovations in designing mainstream products and services that are accessible to and usable by as many people as possible without need for special adaptation or specialized design.

Registration is **NOW OPEN**. Make sure that you have registered your team and submitted your proposal before **AUGUST 10, 2019**. For further information, please feel free to visit the website on www.indiscoundip.com. We also attach the guidelines and poster's event.

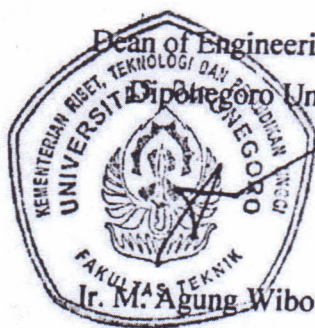
If you have any question, please contact us on:

E-mail : indisco.ie.undip@gmail.com

Line : @qgf0947x

Phone : +6285263580483 (Rama) / +6282329479350 (Arul) / +6289665266865 (Della)

We are looking forward for your participation. Hope to see you in Indonesia.



Dean of Engineering Faculty,
Diponegoro University

Ir. M. Agung Wibowo, MM, M.Sc, Ph.D.

NIP. 196702081994031005

Head of Department
of Industrial Engineering

Dr. Ratna Purwaningsih, S.T., M.T.

NIP. 197212311998022001

ศูนย์ความร่วมมือนานาชาติ
เรียน คณบดี/ผู้อำนวยการ
เพื่อโปรดทราบ และเผยแพร่
ประชาสัมพันธ์ต่อไป
30 มิ.ย. 62 5821/ว



ICC KMUTNB <icc@op.kmutnb.ac.th>

INDISCO 11, DIPONEGORO UNIVERSITY, INDONESIA

1 message

INDISCO UNDIP <indisco.ie.undip@gmail.com>

Mon, May 20, 2019 at 9:55 PM

To: icc@op.kmutnb.ac.th

Dear King Mongkut's University of Technology North Bangkok

The Dean of Engineering Faculty at the Diponegoro University would like to invite the undergraduate student of King Mongkut's University of Technology North Bangkok to participate in the event: **The 11th Industrial Design Seminar & Competition (INDISCO 11)**.

INDISCO 11 which the first has been held in 2009 is an industrial product design competition combined with a national seminar. It is held by Industrial Engineering Student Association of Diponegoro University.

We invite participants from several universities in Indonesia and overseas as well, especially in the Region of South East Asia.

For this year, we conducted INDISCO 11 by raising the theme **Space-saving and Eco-friendly design for Standardized Products' Improvement**"

Early Bird is NOW OPEN. Make sure that you have registered your team!

For further information, please feel free to visit the website on www.indiscoundip.com. We also attach the guidelines and poster's event.

If you have any question, please contact us on:
E-mail : indiscoundip.ie.undip@gmail.com

We are looking forward for your participation. Hope to see you in Semarang.

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Best regards,

Rama Zafran
INDISCO 11 Chair Person
Universitas Diponegoro, Indonesia

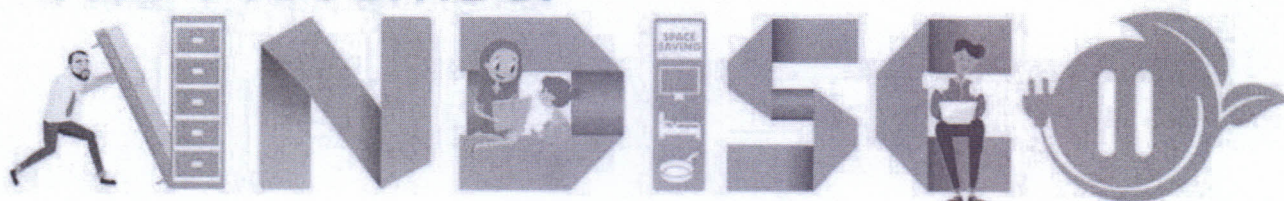
Industrial Design Seminar and Competition (INDISCO) 11
Universitas Diponegoro
Jl. Prof. H. Soedarto, S.H., Tembalang
Semarang - Central Java, Indonesia
Email: indisco.ie.undip@gmail.com
Phone: +62 852 6358 0483
Website: <http://www.indiscoundip.com>
Twitter: <https://twitter.com/IndiscoUndip>
Facebook: <https://www.facebook.com/INDISCO>

3 attachments

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240K



This November



INDUSTRIAL DESIGN SEMINAR AND COMPETITION

Theme: Space-saving and Eco-friendly Design for Standardized Products' Improvement

Bit.ly/
Guidebook
INDISCO11

Contact Person :

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TIMELINE

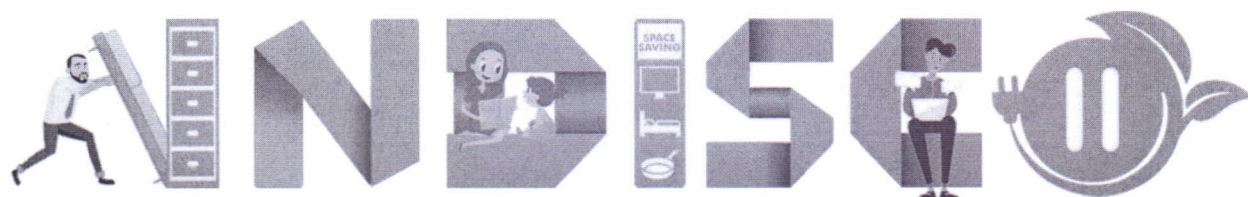
- 1 Early bird**
April 29 - June 9
- 2 Normal Registration**
June 12 - August 10
- 3 Propotional Selection**
August 13 - August 31
- 4 Top 20 Announcement**
September 2
- 5 Re-registration and Video Prototype**
September 2 - September 31
- 6 D-Day Indisco**
November 1-3

Media Partner



@QGF0947X @indisco_11 YouTube INDISCO UNDIP www.indiscoundip.com

@IndiscoUndip Indisco Undip indisco.ie.undip@gmail.com



INDUSTRIAL DESIGN SEMINAR AND COMPETITION

GUIDE

BOOK

Theme

"Space-saving and Eco-friendly Design for Standardized Products' Improvement"

Space saving design is the answer to the limitations of space and the unlimited ideas. The need for a concise but multipurpose product has greatly increased lately. Many places becoming the dream of many urbanites who are blocked by limited space.

The human needs are still the same or maybe even bigger than before. There are a lot of fundamental needs that need to be maintained and fulfilled, Since furniture is a necessity and not a luxury, everybody need it. Furniture is taking almost 50% of a normal floorspace. Therefore, living in a small space requires smart and space saving furniture solutions to maintain the human wellbeing.

But for modern people today, the aspect that also determines when buying a product is not only about how much space that they have in their home, but also the aspect of sustainability. Public awareness to their surrounding ecosystem is increase significantly, and also the needs for ecofriendly products. Environmentally friendly products are products that throughout their life cycle attempt to reduce their negative impacts on the environment. Sustainable product is constantly environmental-friendly during its entire life. That is, from the moment the raw materials are extracted to the moment the final product is disposed of, there must be no permanent damage to the environment.

These design ideas developed because of the demand of the public who wanted products that were small but versatile and also did not have a negative impact throughout the product life cycle. Therefore, a standard is needed to be able to encourage the creation of space-saving, versatile, and environmentally-friendly products. With the standards that support the creation of these products, these ideas can become mainstream ideas and would be widely applied.

Standards for products need to be improved to meet public demand. because of that, INDISCO 11 this year will be a place to find the best ideas to improve product standards in order to create products that are space saving and eco-friendly.

In this sense, the product must follow these 4 characteristic :

1. Functional

Providing suitable features to satisfy the needs and desires of the intended users

2. Desirable

Providing a positive impact on quality of life, while being aesthetically striking or pleasant to touch

3. Usable

Providing pleasure and satisfaction in use through easy operation

4. Viable

Assuring business success through delivery to market at the right time and at the right price

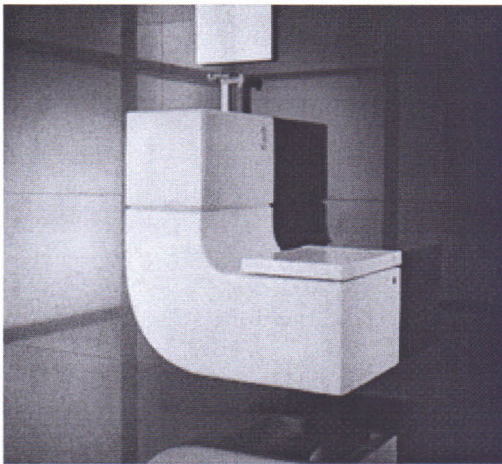
Subtheme

The products that are registered to INDISCO 11 may come from Locarno Classification by World Intellectual Property Organization (2013). Multi-functional products are also applied. The list of classes are as follows (including, but not limited to):

1. Furniture
 - a. Stair that can be used for storage
 - b. Bed that can be fold so it stick with the wall
 - c. Sofa and bed in one places
2. House Goods
 - a. Grill can be saved on the wall
 - b. United chair and table in the kitchen
 - c. Folded Ironingboard
3. Game, Toys, and Sport Goods
 - a. Multitioner (Sit up, Push Up, and Yoga Facilities)
 - b. Multifunction Mini Bells and Kolintang
4. Recreation
 - a. Outdoor RecreationalEquipment
 - b. Playgrounds
 - c. Child CareCenters
5. Food and Beverages (Dining Area)
 - a. Processing and serving equipment (glassware, tableware, crokery)
 - b. Cooking appliances
 - c. Table knives, forks and spoons
6. Transportation Equipment
 - a. Conveyors, Cranes, Industrial Trucks

Product Example

Furniture



Toilet sink combo is a product that combines a toilet seat and sink in one form that is more compact, to overcome the problem of small toilet space size. Another advantage is the environmentally friendly method of operation. However, by combining the sink and your toilet frame not only saves space, also save water.

House Goods



Featuring a square design, these plates can be stacked vertically, so we don't need a cupboard. Using patented settings, the magnet continues to rotate and align with polarity, allowing the plate to stick in all directions without repelling. "Huddle" uses a combination of biodegradable bamboo fiber and corn flour for an environmentally friendly alternative to plastic cutlery

Stage

A. Preliminary Selection

It is a stage where the participants should pass before they can proceed to the next stage. It consists of early bird registration and normal registration. Early bird registration started from April 29, until June 9 2019, while normal registration started from June 12 until August 10, 2018.

Registration can be done through following procedures:

- 1) Online Registration at www.indiscoundip.com.
- 2) Check for email confirmation sent by the committee.
- 3) Payment
 - a. Early Bird Registration : IDR 300,000 for Indonesian Students and USD 30 for International Students
 - b. Normal Registration : IDR 350,000 for Indonesian Students and USD 35 for International Students Payment can be done through, BNI Bank account : (Salsabila Ayu Nurul)
Account number : (805369451)
- 4) Complete the required documents, including:
 - a. Proposal
 - b. Scan of Registration Form
 - c. Scan of Statement of Design Authenticity (stamped)
 - d. Scan of Letter of active student
 - e. Scan of payment
 - f. Scan of ID Card
- 5) Sent the documents via email : indisco.ie.undip@gmail.com with the subject's Format: Team'sname_University_Country.
- 6) Sent the proposal and the statement of the design authenticity (printed) via post to : Gedung Teknik Industri Universitas Diponegoro Jl. Prof. Soedarto, SH Tembalang, Semarang, Indonesia By writing the Team's name_University_Country on the top right corner

B. Re-Registration

Re-registration is a stage where every team that has passed the preliminary selection is obliged to pay the re-registration fee before proceeding to the final stage, started from September 2 until September 31, 2019 with the following term:

Every team has to pay a re-registration fee IDR 3,000,000 for Indonesian Students or USD 275 for International Students to INDISCO 11's committee. Payment can be done via transfer through, BNI Bank account 805369451 (Salsabila AyuNurul)

C. Top 20

1) Video Uploading

Upload the video of prototype to Youtube with the following title format: ProductName_Team'sName_INDISCO11. Video can be uploaded from September 2 to September 31, 2019 11.59 p.m. GMT+7.

2) Presentation I

Held on 1,2, and 3 November 2019. All participants have to present their products to the judges. The presentation must be delivered in English

3) Presentation II (Grand Final)

Held on November 3, 2018. The team that has been selected as top 5 will present their products in front of judges and audiences on INDISCO 11 National Seminar to determine the winner of INDISCO 11.

Content of Proposal

The proposal should contain the following requirements:

- 1) Team introduction (separated file)
- 2) Background
- 3) Explanation:
 - a. Product Description
 - b. Basic of Product Selection
 - c. Product Specification and Concept Generation
 - d. Product Planning and Identifying Customer Needs
 - e. Product Architecture
 - f. Industrial Design
 - g. Design for Manufacturing
 - h. Creativity and Innovation Aspect
 - i. Product Design Pictures

4) Attachment

Written with the following format :

- a. A4 sized paper, margin 4-4-3-2 cm (top-left-bot tom-right). Times New Roman (font size 12) in .pdf format.
- b. Maximum 25 pages including cover (attachment not included).
- c. Logo of university is not allowed in the cover.
- d. Written in English with Standard Written English

Scoring Criteria

The scoring criteria of proposal is based on :

- 1) The design relevance to the competition theme
- 2) Product design originality
- 3) Product planning and identifying customer needs
- 4) Product specification and concept generation
- 5) Industrial design
- 6) Design for manufacturing

Terms and Condition

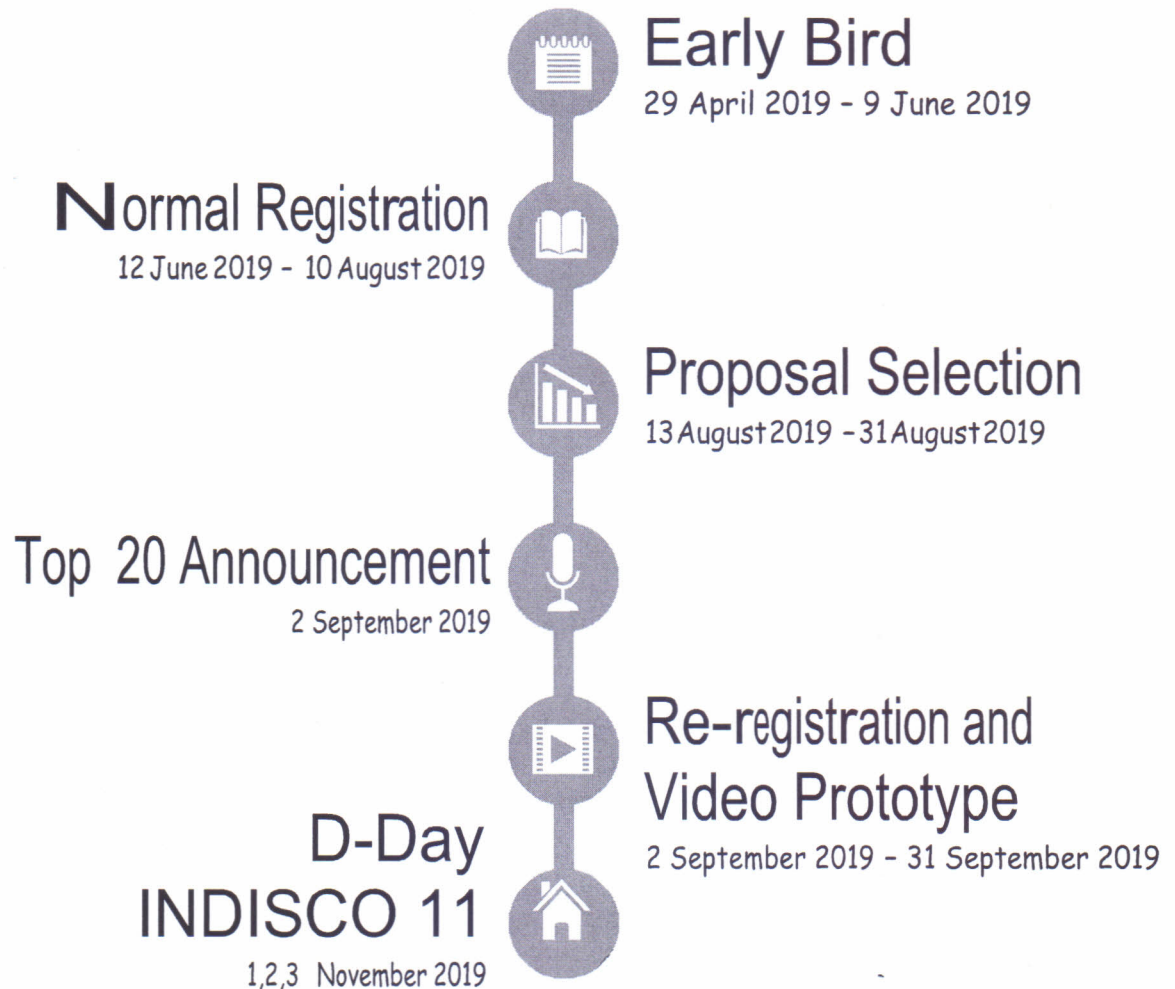
- 1) The participants of INDISCO 11 are teams which consist of 2-3 students from the same university and still active until November 2019. Change in team composition after online registration is prohibited.
- 2) One team may consist of students who take different disciplines/majors.
- 3) The prototype/product design is a product that has all of these aspect :
 - Creative
 - Original
 - Functional
 - Usable
 - Innovative
 - Aesthetic
 - Desirable
 - Viable
- 4) The registered teams are obliged to send product ownership and authentication letter that has been enclosed by stamp.
- 5) Every team can register by the official site of INDISCO 11 :
www.indiscoundip.com

Facilities

During events, participants of INDISCO 11 will be provided with the following facilities:

- 1) The committee is responsible for the INDISCO 11 participants during the event from November 1 at 02.00 P.m. to November 3 at 04.00 p.m.
- 2) Accommodation for 3 days and 2 nights from November 1 to November 3, 2019. INDISCO 11 Committee provides transportation for participants (drop/pick participants from/to airports/railway station/terminal) at 10.00 a.m. until 13.00 p.m. on November 1, 2019. For participants who want to use cars facility from airports/railway station/terminal are obliged to confirm to the committee via telephone to the contact person written in this short guidelines at least 2 days before the arrival in Semarang. Participants will be picked up in several meeting points upon arrival. Any arrival which is not listed in meeting points below will be charged:
 - Ahmad Yani Airport
 - Tawang Train Station
 - Poncol Train Station
 - Banyumanik Bus Station
 - Terboyo Bus Station
- 3) Food service during the event.
- 4) First aid for the participants who are sick or get injured during the event.
- 5) Certificate as seminar and competition participant of the event.
- 6) For participants who have arrived in Semarang before November 1, 2018 and will leave after November 3, 2019 the committee can help for the accommodation with the cost paid by participants.

Timeline



Contact Us

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Stay Update, Pals!



www.indiscoundip.com



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@indisco_11



@QGF0947X



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