



Terms of Reference

GBC IDEAS 2023

Green Design Idea Competition

Net Zero Mini Residential Cluster



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About Us

Green Building Council Indonesia (GBC Indonesia) is an independent not for profit organization founded in 2009 by leading professionals and companies in the building industry in Indonesia. Our main mission is to transform market and industry players to be more responsible and sustainable. We have four main programs namely Rating Development, Training and Education, Green Building Certification and Stakeholder Engagement. Since 2017, GBC Indonesia is become the established member of the World Green Building Council.

GBC Indonesia is founded by 100 core founders comprises professional from various background related to building industry. GBC Indonesia also founded by 20 corporate founders consists of leading companies from building industry, such as developers, building materials manufacturers, and state owned companies.

About The Event

GBCIdeas is a competition from GBC Indonesia that serves as the forum that aims to accommodate all aspirations for innovation ideas regarding the environmentally friendly building sector from various groups as a form of encouraging increased awareness of climate crisis mitigation. In addition, this idea is expected to be a solution to create a very effective building area so that it can reduce the contribution of carbon emissions to the environment.

As the needs of building industry to go towards net zero state is becoming even urgent each day, all the idea and innovation is needed to make it more implementable in various conditions of building. GBCIdeas serves this needs by providing the innovative solutions accross building sector and also rising up the expert who can implement it. GBCIdeas 2022 is the third series of GBCIdeas after a succesful campaign of GBCIdeas 2019 and GBCIdeas 2021.

Event Objective

Increase awareness of all sector about the importance of overcoming the climate crisis

Encouraging real action in the construction sector, policy makers, and government to overcome the impacts of the climate crisis

Creating innovative ideas that can be used as solutions in facing the climate crisis

Theme

Net Zero Mini Residential Cluster

Competition

Building Design (Professional & Student)

Design Innovation (Student)

Background

As we know, the building and construction industry contributes 39% of carbon emissions to the environment, causing the need for more measures in dealing with this building sector. GBC Indonesia as part of the World Green Building Council also supports this program through GBC Ideas. GBCIdeas is a forum that aims to accommodate all aspirations for innovative ideas regarding the environmentally friendly building sector from various groups as a form of encouraging increased awareness of overcoming the climate crisis. Apart from that, it is hoped that this idea can be a solution to create a very effective building area so that it can reduce the contribution of carbon emissions to the environment.

Nature and Scope of Competition



Nature:

1. This event is national and open to all groups
2. The results of the submission of ideas become the property of the Green Building Council Indonesia and can be used in all GBC Indonesia's efforts to campaign for the green building movement and sustainable development in Indonesia while still mentioning and giving credit to the person concerned.
3. The results of idea screening are absolute and can not be contested.

Scope:

This event was held to gather ideas regarding the themes raised, namely GREENSHIP NetZero and Homes, with the following provisions:

1. Idea Contributors can provide ideas in accordance with the conditions required by GBC Ideas 2023
2. Idea Contributors are students or professionals who have registered and submitted their work on our website
3. The Idea category is divided into 2, namely Building Design and Design Innovation

Category and Assessment Criteria



● Building Design Category

Design Criteria

1. The site is located in the Jakarta area
2. The site functions as a Residential Complex (mini cluster) located on an area of $\pm 4,700 \text{ m}^2$
3. KDB 40% and RTH 60% for the area
4. KDB 40% and RTH 60% for residential
5. There are 2 types of houses with land per unit of 120 m² with a maximum of 4 floors
6. Adequate public/public facilities
7. Parking facilities are only in the form of a parking pool. There is no vehicle parking in the residential area
8. Landscape arrangement
9. Residential areas in the area are included in the Net Zero building criteria

Assessment Criteria

1. Designs will be assessed based on their suitability to the aspects contained in the GREENSHIP Net Zero dan GREENSHIP Homes Summary

● Innovation Category

Design Innovation Category

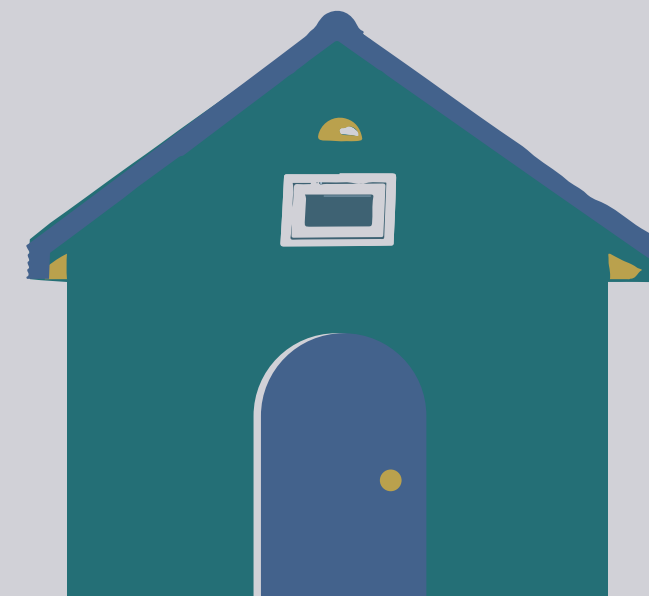
Net Zero Design Innovation is equipment, systems, or other innovations that can be implemented in buildings that can help buildings operate at a net zero and healthy level.

Assessment Criteria

1. Innovation can be a prototype or concept
2. Innovation can target one of the net zero building criteria, including energy efficiency, renewable energy, or health and comfort
3. The ideas provided must be relevant to the current situation in Indonesia.
4. The aim of developing ideas from this theme is to help implement net zero building in accordance with current conditions in Indonesia.

Important Note:

Ideas in these two categories must be the result of original thinking from the Idea Contributor and have never been presented in any publication media.



Competition Flow



1. Register your team on ideas.gbcindonesia.org website, but make sure you already have an account on gbcindonesia.org
2. Submit your idea to ideas.gbcindonesia.org
3. Selection stage 1: Selection to find 3 (three) best ideas for each category to proceed to the next stage
4. Selected Idea Contributors will be joining the Boot Camp for Idea Development
5. After having the comments and suggestions from mentors at the Boot Camp on your notes, you will have the chance to refine your idea until the final Presentation
6. Final presentation is the last stage, not just to the juries, you will have to present in front a crowd at Main Show! It's your time to ✨shine✨

Timeline



Idea Submission

Registration Procedure:

1. Participants download the GBCIdeas 2023 Guide on the GBC Indonesia website and must fulfil the requirements in the GBCIdeas 2023 Guide.
2. Participants register online via the GBC Ideas 2023 website at ideas.gbcindonesia.org
3. Participants create a Google Drive folder containing works whose links will be uploaded on the Registration Form, folder access is open.
4. Participants make a donation of:
 - Rp. 50,010,- for the Design Innovation and Category
 - Rp. 100,010,- for the Building Design Category
 - (additional number 10 as donation code GBCIdeas 2023)
 - to Bank Mandiri Cab. Puncak Mas
 - A/N Green Building Council Indonesia
 - 102.000.5231615

Submission Requirements

Submission requirements for the Building Design Category:

1. Panels

Delivered in A1, portrait size, min. 300 dpi, and contains:

- Project abstraction
- Building design & facility design (plan, view, section, perspective) to an appropriate and informative scale
- Net Zero performance (energy efficiency, renewable energy, including the placement of renewable energy)
- Healthy and adaptive thermal comfort performance (thermal comfort, visual comfort, air change)
- Embodied carbon performance (use of low carbon materials)

2. Presentation

The presentation is delivered in .ppt/pptx format and contains:

- Design explanation
- Net zero energy calculations (calculation of energy needed and produced)
- Calculation of embodied carbon
- Other matters that require a more detailed explanation that cannot be discussed yet or fitted into the panel
- The presentation is accompanied by transcript notes on each slide, maximum 20 slides.

Submission requirements for the Student Net Zero Design Innovation Category:

1. Panels

Delivered in A1, portrait size, min. 300 dpi, and contains:

- Project abstraction
- Innovation design (detailed design, working method, size)
- Net Zero performance (how innovation can improve Net Zero performance in buildings and areas)

2. Presentation

The presentation is delivered in .ppt/pptx format and contains:

- Design explanation
- Net zero energy calculations
- Other matters that require more detailed explanation that cannot yet be included in the panel
- The presentation is accompanied by transcript notes on each slide with of maximum 15 slides.

Terms and Conditions Idea Contributor

By registering for GBC Ideas 2023, Idea Contributor agrees and fulfils the terms and conditions below:

1. Idea Contributor is an Indonesian citizen with a KTP or Student Card attached
2. Idea Contributors can come from undergraduate/postgraduate students, fresh graduates, or professionals.
3. Idea Contributors can be individuals or groups with a maximum number of 3 people for the building design category and 3 people for the design innovation category.
4. Idea Contributor fills out the online registration form.
5. Idea Contributors must follow all GBC Indonesia social media accounts (website, Instagram, Twitter, Facebook)
6. Idea Contributors must follow the GBC Indonesia YouTube channel
7. Idea Contributors are required to upload posters provided by the committee regarding the GBCIdeas 2023 event on their respective Instagram feeds and stories.
8. All submitted ideas can be used by GBCI for publications and so on.

