

**REPORT**  
**WORKSHOP GREEN BUILDING**  
**CENTER FOR SCIENCE AND TECHNOLOGY DEVELOPMENT**  
**2024**



**UNIVERSITAS PGRI SEMARANG INSTITUTE FOR RESEARCH AND  
COMMUNITY SERVICE UNIVERSITAS PERSATUAN GURU REPUBLIK  
INDONESIA SEMARANG**  
**2024**

## APPROVAL SHEET

**Activity Name** : Workshop on Green Building, Center for Science and Technology  
Development, Year 2024

**Number of Participants** : 18 Participants

**Date and Time** : 08.00 WIB until completion

**Venue** : 2nd Floor, Main Building, Universitas PGRI Semarang

Semarang, September 5, 2024

Chairman of the Committee,



Dr. Sigit Ristanto, S.T., M.Sc  
NIDN. 0603098102

Acknowledged by,  
Head of LPPM  
Universitas PGRI Semarang



Prof. Dr. Wiyaka, M.Pd.  
NIP. 196412261990031002

## **A. Background**

Global climate change and environmental issues are becoming increasingly urgent to be addressed with concrete, sustainable steps. In this context, the concept of green building has become one of the most relevant solutions to reduce negative impacts on the environment. Green building encompasses design, construction, and building management practices that minimize resource use, reduce environmental impact, and create a healthier and more comfortable space for occupants.

The Center for Science and Technology Development under the Institute for Research and Community Service (LPPM) of Universitas PGRI Semarang (UPGRIS) has a strategic role in supporting the development of science and technology relevant to community needs. One of the important efforts undertaken is organizing the green building workshop, which aims to increase the understanding and application of green building principles among professionals, academics, and stakeholders in the construction sector. With this background, the green building workshop activity can make a significant contribution to capacity building in the field of green building, as well as promote more sustainable and innovative construction practices.

## **B. Objectives**

The objectives of this Green Building Workshop Activity Report are:

1. To provide in-depth knowledge regarding the basic principles of green building, including sustainable design, energy efficiency, and the use of eco-friendly materials.
2. To explain the benefits of implementing green buildings for the environment, occupant health, and building operational efficiency.
3. To introduce the latest technology and innovation in the field of green building, including renewable energy systems, water management, and eco-friendly materials.
4. To provide practical training and skills to professionals in the fields of architecture, engineering, and construction regarding the application of green building principles in design and development.
5. To increase awareness of applicable green building regulations and standards, as well as how to meet the requirements to obtain green building certification.

### **C. Implementation Schedule**

The implementation of the Green Building Workshop by the Center for Science and Technology Development was carried out on:

**Day/Date** : Thursday, September 5, 2024

**Time** : 08.00 WIB until completion

**Venue** : 2nd Floor, Main Building, Universitas PGRI Semarang

### **D. Participants**

Lecturers within Universitas PGRI Semarang.

## CHAPTER II

### IMPLEMENTATION OF ACTIVITIES

#### A. FORM OF ACTIVITY

The activity is in the form of a workshop with the following topic:

Topic : Green Building Technology, Center for Science and Technology Development

#### B. IMPLEMENTATION SCHEDULE

**Day/Date** : Thursday, September 5, 2024

**Time** : 08.00 WIB until completion

**Venue** : 2nd Floor, Main Building, Universitas PGRI Semarang

##### Schedule of Events

NO.	TIME	EVENT	INFORMATION
1.	08.00 – 08.30	Preparation	Sekretariat
		Participant arrival	Sekretariat
2.	08.30 – 10.30	Opening	MC
		Listening to the song "Indonesia Raya"	IT
		Listening to the UPGRIS Mars	IT
		Joint Prayer	MC
		Opening remarks / Activity report	Dr. Sigit Ristanto, S.T., M.Sc
		Welcome and opening remarks	Prof. Dr. Wiyaka., M.Pd
3.	10.30 – 11.30	Main Session with Resource Person	Speaker: Ir. Jatmika Adi Suryabrata, M.Sc., Ph.D
4.	11.30 – 11.40	closing	MC

### **C. PARTICIPANTS**

The activity was attended by lecturers who are professionals in the field of architecture and construction in the vicinity of Universitas PGRI Semarang.

### **D. EVALUATION OF ACTIVITY RESULTS**

The green building workshop organized by LPPM UPGRIS successfully achieved its main objectives in increasing participants' understanding of green buildings, and the workshop ran smoothly. Scheduling, location selection, and logistical arrangements were carried out according to plan, and no significant obstacles affecting the event's execution were found.

The results of the evaluation are as follows :

1. Most participants stated that the material delivered was very relevant to their needs. Topics discussed, such as green building certification, energy efficiency, and the use of eco-friendly materials, were considered very beneficial.
2. Group discussions and Q&A sessions received positive responses; participants felt actively involved and able to contribute.
3. Participants reported a significant increase in knowledge regarding green building principles. They felt better prepared to apply these concepts in their work.

## **CHAPTER III**

### **CONCLUSION**

The Green Building Workshop organized by the Institute for Research and Community Service (LPPM) of Universitas PGRI Semarang (UPGRIS) successfully achieved its main objectives, which were to increase participants' understanding of green building principles and their application in sustainable development. Active participation from the participants, high-quality presentation from the resource person, and good logistical support contributed significantly to the success of this event.

During the activity, we obtained various valuable feedback. Participants showed high enthusiasm and a desire to apply the acquired knowledge in their future projects. This is a positive indication that the workshop not only provided knowledge but also encouraged real action toward more environmentally friendly development practices.

Finally, we express our gratitude to all parties who contributed to this activity, including the resource person, participants, and the organizing team. We hope that the results of this workshop can bring a positive impact on sustainable development practices at the local and broader levels. This activity report is prepared to receive attention, constructive criticism, and suggestions from various parties. We thank you for the attention and support provided.

Appendix 1

ACTIVITY PHOTOS

