

PROFICIENT Community Service

Family Food Security Model Based On Yard Productive In Situsari Village, Cileungsi, Bogor Regency

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ABSTRACT

Keyword:

Integrated Backyard Farming, Integrated Farming, Community Services

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This community service project, implemented by a team of lecturers and students from Perbanas Institute, was held on June 20, 2025, at the Situsari Village Office in Cileungsi, Bogor. The program, titled "Empowering Family Food Security Through Productive Yard Use," aimed to empower homemakers by training them to manage their yards as a source of independent food.

The training covered several topics, including identifying yard potential, selecting nutritious plants, utilizing household waste as organic fertilizer, and using recycled materials as planting media. Through a participatory education method, this activity successfully increased participants' awareness and skills in building family food resilience. The results showed a positive change in their mindset regarding land use, which made a real contribution to the family economy. It is hoped that this program can serve as a model for a self-sufficient food movement at the village level.

I. INTRODUCTION

Food resilience is a strategic issue in sustainable development that includes availability, accessibility, stability, and sustainable utilization of food by the community. In Indonesia, this issue is particularly relevant amid the challenges of urbanization, climate change, and public dependence on market food supplies. One approach to strengthening food resilience is to maximize the potential of household yards, especially in semi-urban areas.

Situsari Village, located in Cileungsi, Bogor Regency, is a semi-urban area with a high population density. Despite this, many residents still have yard space that is not being used to its full potential. More than 58% of homes in rural areas have yards, but a large portion of them is not utilized productively [1]. This is ironic because this potential could be a solution to increase local food availability, improve family nutrition, and reduce household expenses.

Household agriculture can enhance food resilience, improve community nutrition, and create family economic stability through harvests that can be consumed or sold [2]. This approach also aligns with the principles of a circular economy, where household waste can be made into compost fertilizer and used items can be repurposed as planting pots, thereby creating a sustainable and environmentally friendly food system. Beyond the physical aspects, yard management activities also offer social and psychological benefits. Family gardening not only strengthens connections between family members but also improves emotional well-being and environmental awareness [3]. At the same time, the yard can serve as an educational tool for children to learn about nutrition, plants, and sustainability from an early age.

However, various challenges still prevent the public from utilizing their yards, such as low food literacy, limited technical knowledge, and a lack of support from relevant parties. Practical, community-based education is needed to increase public awareness and skills in managing local resources [4].

This community service project, carried out by lecturers and students of Perbanas Institute at the Situsari Village Office, recognizes the importance of contextual education that connects with local culture and resources. Therefore, the "Family Food Security Model Training Based on Productive Yard" implemented by the Perbanas Institute team is a concrete contribution aimed at equipping the community, especially homemakers, teenagers, and the elderly—to manage their yards in a productive, sustainable, and economically valuable way.

II. METHODS

Activity held on June 20, 2025, at the Situsari Village Office, with participation inhabitant local and device village. Training done through a few Stages: *pre-test* for measure knowledge beginning participants and delivery material about “Family Food Security Model” Based on Yard Productive”. Activities this also involves session ask answer for deepen understanding and answering obstacles faced inhabitant.

Place and Program Implementation

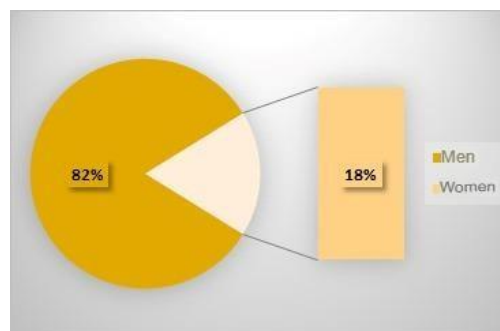
1. Place of implementation of the training program
The place for implementing this community service is in Desa Situsari, Jl. Swadarma Kp. Karet RT 004/001, Cileungsi, Bogor Regency, West Java
2. Time of Program Implementation
The activities held on Friday, June 20th 2025 at 02.30 – 04.30 PM

Table 1. Schedule of Activities

Time	Activities
10.00 – 11.00	Preparation for Departure from Perbanas Jakarta
11.01 - 12.00	Arriving at the Situsari Village Hall Office and Friendly Meetings with the Village Team
12.01 - 13.00	Ishoma
13.01 - 13.30	Event Preparation at Village Hall Office
13.31 - 14.00	Participants attend and fill in the attendance list Welcoming Participants & conducting Pre-test
14.01 - 14.10	Opening of the event by MC
14.11 - 14.25	Greetings from DP2M Perbanas Greetings from the Head of Situsari Village Ice Breaking
14.26 - 15.00	Productive Yard-Based Family Food Security Model
15.01 - 15.45	Organic Waste Processing Practices with Maggot Media
15.46 - 15.55	Question and answer session
15.56 - 16.00	Prize giving to participants who ask questions
16.01 – 16.15	Closing and group photo
16.16 – 16.30	Giving Souvenirs to All Participants

III. RESULTS AND DISCUSSION

The Training with themed as "Family Food Security Model" Based on Yard Productive" in Situsari Village become means effective learning in build awareness and skills public about importance independence food. The participants activities originating from from background behind diverse totalling 34 people and dominated by men as much as 82% and the rest as many as 18% were followed by women (Figure 1). They show interest big to the material presented. Although part Already own awareness to importance sorting waste and utilization waste House stairs, part other Still limited in practice real. Approach educative direct in public Far more effective in increase care and behaviour management rubbish House ladder in a way sustainable [5].



Source: Result of Figure 1. Training Participants Questionnaire (2025)

Introduction draft agriculture integrated or *integrated farming* become part important in activity this. Before training, terms This Still foreign for part big participants. However, after explained in a way contextual, participants capable understand that system This blend various element like cultivation plants, processing waste organic, and livestock small in a way integrated farming is very effective applied in the yard House Because increase efficiency source Power at a time strengthen resilience food

at the level family [6]. This is reinforced through results the questionnaire in Figure 2 shows that 50% of participants training Already do implementation system agriculture integrated. The rest as many as 15% participants occasionally do agriculture integrated and 35% participants who don't know yet that yard house can optimized become source food independent. This shows existence gap sufficient knowledge significant that needs to be bridged through training and direct mentoring.

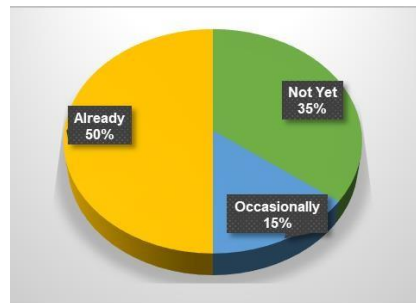


Figure 2. Implementation system agriculture integrated at home by Participants Training
Source: Result of Questionnaire (2025)

The training model used nature participatory and applicable. Participants involved in a way active in every session, ok discussion groups and introduction of maggots media. This method proven capable strengthen understanding and skills in a way real. Training based on experience direct tend more accepted and remembered by the community village, because in accordance with context life they everyday [7]. This is proven in activity this, where participants show enthusiasm high and convey intention for start to practice what has been studied at home. However, there are a few obstacles faced by participants training as shown in Figure 3. Level of constraints most that is 44 % no own adequate knowledge and 24 % do not have tool or appropriate container. So that team recommend for use receptacle used use or plastic that is once use. With the existence of training This expected participant become more know related to resilience model food family.

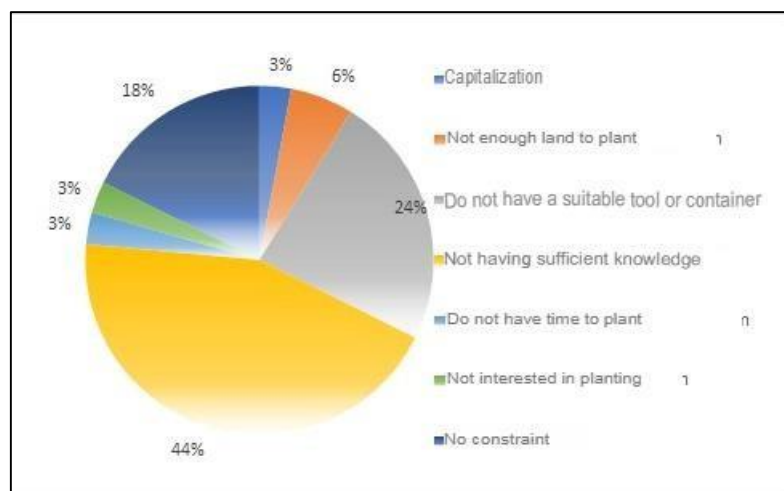


Figure 3. The Constraints in Agriculture Integrated
Source: Result of Questionnaire (2025)

Activity this also has impact strong social atmosphere. Study together push the occurrence positive interaction between residents and foster a sense of togetherness in create changes. Participants Not only Study from facilitator, but also from experience One each other. The success of the empowerment program based on community is largely determined by strength relation social and collaboration between individual in Society [8].

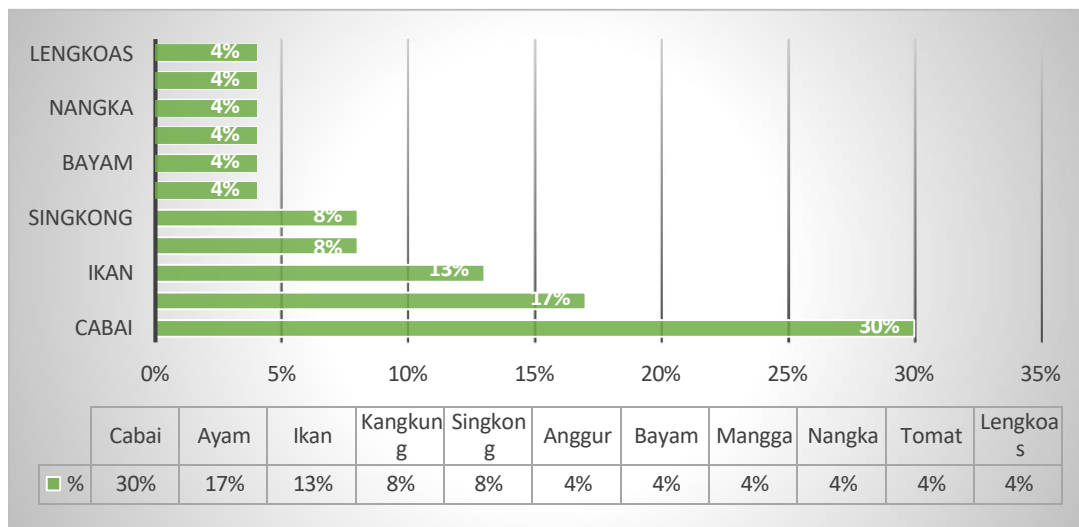


Figure 4. Types of Farming or Livestock at Home

Source: Result of Questionnaire (2025)

Figure 4 shows that the most common type of farming carried out by training participants is Chili Plants at 30% and Chicken Farming at 17%, while the rest are other types of vegetables and fruits. This figure is still relatively small so it still needs to be improved, especially in livestock. Therefore, an interactive training atmosphere is an important key to the success of this activity. The training modules used are also designed to be simple, practical, and easy to understand. The content encourages participants to start from small things, such as utilizing pots from used goods, making fertilizer from kitchen scraps, and planting plants according to family needs.

This approach makes the material feel relevant and easy to implement. In the context of village empowerment, local potential-based education is an important foundation for building sustainable and character-based household food security [9]. Overall, this training creates a meaningful, enjoyable, and applicable learning space for the residents of Situsari Village. Through a participatory approach and contextual materials, participants not only gain technical knowledge, but also motivation and enthusiasm to build food independence from their yards. In the future, this training model has the potential to be replicated in other areas, as part of a collective effort to build strong and independent local food security.



Figure 5. Training Materials



Figure 6. The Participants at the Situsari Village Office



Figure 7. Welcoming Speech by Mr. M. Dahlan the Head of Situsari Village



Figure 8. Training Material Presentation by Lecturer Turah Slamet



Figure 9. The Photo session of All Participants



Figure 10. The Reward to Active Participants who Ask questions

IV. CONCLUSION

The Community Service was implemented in Situsari Village has shown that education about resilience food family through utilization yard House is capable give impact positive for society. Through approach interactive and practical direct, participants training Not only to obtain new knowledge, but also driven for start applying ways simple and sustainable in fulfil need food family. Training This becomes proof that potential yard can optimized become solution real in support independence food House ladder.

Impact positive from activity This covers improvement awareness inhabitant to importance utilization land yard, growth initiative for manage waste organic become fertilizer, and emergence Spirit collaborative in to form group Mother farmer yard. In addition, activities strengthen connection between college height and society local in create solution based on potential village. It is hoped that the activities similar can implemented in a way sustainable with more coverage breadth and support from various parties, so that it becomes more Lots the driven family for independent in a way food and friendly to environment.

THANK-YOU NOTE

We would like to express our sincere gratitude to all parties who have contributed to the successful implementation of this community service program. Your support, participation, and collaboration were essential in making this initiative meaningful and impactful for the residents of Situsari Village.

LIST OF PARTICIPANTS

**DAFTAR ABSENSI KEGIATAN PKM
 PERBANAS INSTITUTE DAN DESA SITUSARI
 JUMAT, 20 JUNI 2025**

KELOMPOK : 4

JUDUL : Model Ketahanan Pangan keluarga Berbasis Pekarangan Produktif & Sharing Kamb

NO	NAMA LENGKAP	DOSEN / MAHASISWA	NIDN / NIM	PRODI	PARAF
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4	Sekar Ayu. N	Mahasiswa	2312000095	S1 Management	[Signature]
5	M. Raoushan Akmal	Mahasiswa	2312000025	S1 Management	[Signature]
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Pengabdian kepada Masyarakat
 Pengembangan Inovasi UMKM di Purwokerto
 Kolaborasi FEB Universitas Jenderal Soedirman bersama FEB dan SPS IKPIA Perbanas"

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19	Retnowati (085785662585)	19
20	Ani Setyan 081210172844	20
21	Masyriah 0856 411 3777	21

Figure 11. Participants List

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