

SOCIALIZATION OF WASTE SORTING “CLEAN IS COOL” IN JEGU 2 ELEMENTARY SCHOOL, TABANAN, BALI

Fira Nur Aprilya ¹, Ni Kadek Dwi Sanjani Mertaningsih ², Fanny Lin ³,
I Nyoman Gde Artadana Mahaputra W ⁴, Adie Wahyudi Oktavia Gama ⁵,
Gusi Putu Lestara Permana ⁶

Universitas Pendidikan Nasional

¹ firanuraprilya@gmail.com, ² dwisanjani0805@gmail.com, ³ flin144@gmail.com,
⁴ artaputra95@gmail.com, ⁵ adiewahyudi@undiknas.ac.id, ⁶ lestarapermana@undiknas.ac.id

Abstract

Garbage has become a problem that is often found in today's environment. Especially in Jegu Village, Penebel District, Tabanan Regency, Bali Province, there is a waste problem that is quite worrying if it is not immediately handled with the right solution. In addition to having a negative impact on the environment and health, waste will also have a negative impact on the economy in Jegu Village. Starting from small things, namely providing an understanding to elementary school children about the importance of the role of children in maintaining cleanliness. The author approaches and educates by conducting socialization at Jegu 2 Elementary School with the theme "Clean is Cool" which will provide learning about how easy it is to sort waste and keep the surrounding environment clean. Conducting counseling in 3 classes at Elementary School 2 Jegu and there are 40 elementary students who are correspondents in this report. before the socialization was held, there were 35 students who knew the correct waste sorting concept and there were 5 students who did not understand the concept. With this socialization, it is hoped that in the future the children will bring positive changes to cleanliness in Jegu Village.

Keywords: Waste Segregation, Organic & Inorganic Waste, Elementary School, Socialization.

INTRODUCTION

Garbage is a waste material that is no longer used by humans because it is not feasible. The more waste that exists in the community will cause bad impacts if it is not managed properly. The waste problem will have no end if there is a lack of awareness among many people about it (Susanti & et al, 2021). In general, waste is divided into two types, namely organic and inorganic waste. Organic waste can be referred to as wet waste (Andina, 2019). Meanwhile, inorganic waste can be referred to as dry waste that can be processed into a product (Andina, 2019). The habit of throwing garbage in the river is still ingrained in the village community in dealing with waste problems. The Head of Jegu Village has been looking for waste management in Jegu Village such as implementing the concept of a Waste Bank, but it did not last long because the community was not interested in saving waste. In addition, the conditions in Jegu Village do not have vacant land to manage the waste. Another complaint from the village community about garbage is that the location and condition of the housing in Jegu Village do not allow it to have a trash can because of the narrow area of the house. The

smell of garbage causes people to be forced to choose to dispose of inappropriate places such as rivers. It is feared that village children will imitate this as the successor of the village. Currently, Jegu Village has chosen the best solution for the village, namely hiring the services of a Final Disposal Site (TPA) where the waste will be taken to the waste disposal center in the Penebel sub-district. However, this solution has a side effect, namely the allocation of funds that are not small.

These concerns can be reduced by raising public awareness of the importance of sorting organic and inorganic waste and how to manage it. Starting by changing the mindset of children about the importance of waste management, in the future, these children will bring positive changes to Jegu Village. Elementary school children (SD) have different characteristics from other age children, where elementary school children are easy to imitate something they see in their environment (Lestari et al., 2020). Therefore, the target of this work program is elementary school children in Jegu Village including grades IV, V, and VI.

IMPLEMENTATION METHOD

The method of activities carried out in this service is adjusted to the problems that exist in Jegu Village. The community service program carried out as a solution to the waste problem in Jegu Village, namely carrying out non-physical activities in the form of education or socialization in elementary schools in Jegu Village about the importance of sorting waste based on its type and category, protecting the surrounding environment, especially in the village. Jegu. By prioritizing participatory communicative methods and by understanding the mindset of elementary school students so that the material presented can be well received by students. The physical activity carried out in this work program is to provide two organic and inorganic waste bins (green and gray) to be used at Jegu 2 Elementary School. The stages carried out in this activity can be described as follows:

1) PLANNING STAGE

Observation and interview

At this stage, the implementing team conducted field observations as well as interviews with village heads and representatives of Jegu 2 Elementary School. Before the release of PKM (Community Service), the author had assessed Jegu Village. By using the method of interview and observation the author can obtain more in-depth and more data.

2) IMPLEMENTATION STAGE

Socialization

At this stage, the implementation team with school representatives carried out socialization to the students of Jegu 2 Elementary School, by explaining the purpose of education regarding the sorting of organic and inorganic waste.

Demonstration

This demonstration was carried out by showing a video about the correct and easy sorting of waste by displaying a moving animation that explained the types of organic and inorganic waste. This method was chosen so that students better understand and explore the material, so students can easily imagine and practice the material provided.

Ice Breaking

Ice breaking is an activity that is carried out to create a rigid atmosphere after the presentation of the material, at the time of ice breaking there will be several fun activities for students and students will be given prizes. This is important to do so that students are more receptive to the material that has been presented and strengthen the relationship between the socialization team and students. Giving gifts will also motivate students to apply the material that has been delivered in the surrounding environment.

Practice

Practice is the actual implementation of what has been mentioned in the given theory. At the time of the activity, there was a direct practice given after the socialization. This practice is carried out as an example of the application of materials related to waste sorting, namely organic and inorganic waste.

3) EVALUATION STAGE

This evaluation stage explains the progress of students after and before the socialization of “Clean is Cool” waste sorting at Jegu 2 Elementary School. To measure how well students understand about the material that has been presented, the author uses a questionnaire method. Questionnaires are a way of gathering information by giving students a piece of paper containing questions (about waste) as correspondents.

RESULTS AND DISCUSSION

This Community Service (PKM) activity was carried out at Jegu 2 Elementary School, Penebel District, Tabanan Regency regarding education on sorting organic and inorganic waste. This activity was carried out from January 14, 2022 – January 18, 2022. The author together with the Real Lecture Work team (KKN) coordinated the Community Service (PKM) activities with partners and informed them about the stages/types of activities to be carried out their respective roles parties, and the results to be achieved. It is also intended that partners know the purpose of this PKM activity and also the preparations made by partners and the PKM team to make this PKM activity a success, and ask for good support and cooperation so that the objectives of the PKM implementation can be achieved.

In the planning process, the author prepared waste sorting materials with the theme “Clean is Cool”. The materials prepared have been matched to the needs and personalities of elementary school children. The material is easy and practical for children to learn or absorb. In addition, in this process, the author also prepares a video that will be shown during the socialization and prepares the equipment and supplies that will be needed for the socialization. During the socialization activities, the material was presented on the definition of waste, types of waste, types of trash cans, the impact of littering, the benefits of sorting waste, the role of students in implementing waste sorting, and the importance of 5R (Refuse, Reduce, Reuse, Repurpose, recycle). This activity is carried out in grades IV, V, and VI.



Figure 1. PowerPoint slide material
Source Canva powerpoint



Figure 2. Socialization of Organic and Inorganic Waste Segregation
Source of Socialization Activities

After the presentation of the material was finished, students were invited to watch videos about waste and videos about 5R, then students were given a questionnaire with a total of 40 correspondents, after the questionnaires were filled, the questionnaires were collected for the implementing team. The next activity is a quiz with prizes to find out how far students understand and listen to the material that has been given. After the quiz session with prizes was over, the next activity was ice breaking which was held for 30 minutes and all students were given snacks. The implementation team reminded to dispose of garbage in its proper place as a practice in this socialization. The second event was the handing over of two trash bins (organic and inorganic) represented by the group village coordinator which were then given to school representatives. The activity continued with a group photo with the teachers and PKM participants as the closing event for the socialization of waste sorting at Jegu 2 Elementary School.



Figure 3. Submission of Organic and Inorganic Trash
Source of Socialization Activities

This service activity is intended to instill early on in students the use of waste, sorting waste, and paying more attention to the cleanliness of the surrounding environment. This is important because students are still in the process of developing who will become the nation's next generation, so students must be taught to be heroes of cleanliness from an early age. Students must get used to sorting waste and processing waste both in the school environment, home environment, and other environments so that it will reduce damage to the surrounding environment. Students can be a good example if they apply this to the people around them so that slowly the people around will be embarrassed and realize how important it is to sort and process waste.

From the evaluation results, it can be seen that the socialization activities went well. This can be seen from the enthusiasm of students when listening to the presentation of the material and during quiz activities. In addition, the results of this service are summarized from questionnaires that have been filled out by students into a table for easy understanding.

Table 1. Questionnaire Results

No	Information	TOTAL	
		YES	NO
1	Already understand about waste sorting before the socialization	35	5
2	Already doing waste sorting in daily life	35	5
3	The socialization carried out gave and or raise awareness among participants	40	0
4	After the socialization is complete, students have and or better understand the material presented	40	0
5	Participants are satisfied with the discussion given	40	0

Sources of Questionnaires from 40 students of Jegu 2
Elementary School

Table 2. Before and After Service

No	Before Devotion	After Devotion
1.	Some students do not understand waste sorting	All students have understood waste sorting
2.	There are still some students who don't care about waste sorting	Students care and realize the importance of sorting waste
3.	Some students don't know that waste can be recycled	All students already understand and know that waste can be reprocessed into useful, useful, valuable, and quality goods
4.	Students do not know their role in influencing environmental hygiene	Students have understood their role as "Cleaning Heroes"

Sources Observations at Jegu 2 Elementary School

CONCLUSION

Based on the results of community service activities that have been carried out, it can be concluded that waste sorting is a very important thing to do in the context of waste management. By doing waste sorting, it will avoid the accumulation or hoarding of waste. In addition, the waste that has been sorted will make it easier for the public to know which waste can be recycled and which cannot be recycled. The accumulation of garbage will cause problems in the surrounding environment, such as becoming a nest of bacteria, a nest of germs, which can cause disease, and the environment becomes flooded because of garbage which causes problems to worsen and further damages the environment. Therefore, there is a need for community participation in this waste sorting, especially the participation of elementary school students, who are the nation's next generation.

An understanding of waste sorting needs to be given to elementary school students so that in the future it can be applied in their daily lives. Socialization is one way to increase elementary students' understanding of waste sorting. The socialization of waste sorting at Jegu 2 Elementary School received a good response from the school. The existence of socialization regarding the sorting of organic and inorganic waste can increase students' awareness of the importance of sorting waste. In addition, students who have not done and do not know about waste sorting become more aware and understand better. With this socialization, it is hoped that it can help in overcoming the waste problem in Jegu Village.

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