THE ROLE OF REAL WORK COLLEGE (KKN) STUDENTS IN MANAGING USED PLASTIC BOTTLES IN SENDAGARAN GRESIK VILLAGE

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ABSTRAK

Lingkungan hidup memegang peranan penting bagi kelangsungan hidup umat manusia dan seluruh makhluk hidup yang ada di muka bumi serta lingkungan hidup harus dijaga kelestariannya. Manusia yang hidup di muka bumi tidak sendirian melainkan bersama-sama dengan makhluk lain, mempunyai kebutuhan dan ketergantungan satu sama lain. Kegiatan pengabdian kepada masyarakat pada Kuliah Kerja Nayata Universitas Muhammadiyah Surabaya dilaksanakan sesuai dengan tema yang ada, mulai dari tahap identifikasi permasalahan terkait sampah hingga pelaksanaan kegiatan. Pelaksanaan kegiatan sosialisasi dan pelatihan pengolahan sampah organik rumah tangga di Desa Sedagaran sebagai upaya meminimalisir sampah yang dibuang ke luar rumah, apalagi jika dibuang sembarangan dapat menimbulkan permasalahan bagi lingkungan dan masyarakat. Antusiasme juga terlihat dari para peserta yang mengikuti kegiatan tersebut, yaitu dari keterlibatannya dalam mengikuti kegiatan tersebut. Secara keseluruhan, peserta aktif bertanya mengenai bahan pengolahan dan pembuatan kompos dari sampah organik rumah tangga dan sumber sampah organik lainnya.

Kata Kunci: Environment, Waste, Management

ABSTRACT

The environment plays an important role for the survival of mankind and all living things on earth and the environment must be preserved. Humans who live on earth are not alone but together with other creatures, who have needs and depend on each other. Community service activities in the Nayata Work Lecture at Muhammadiyah University of Surabaya are carried out in accordance with existing themes, starting from the stage of identifying waste-related problems to implementing activities. Implementation of socialization and training activities for household organic waste processing in Sedagaran Village as an effort to minimize waste being thrown out of the house, especially if it is thrown carelessly, which can cause problems for the environment and society. Enthusiasm was also seen from the participants who attended the activity, namely from their involvement in taking part in the activity. Overall, participants actively asked questions regarding materials for processing and making compost from household organic waste and other sources of organic waste.

Keywords: Environment, Waste, Management

INTRODUCTION

Sedagaran is one of the villages in Sidayu subdistrict, Gresik Regency, East Java province, Indonesia. Sedagaran Village is just south of Srowo Village, located in Sidayu District to the north. Not all people in Sedagaran village are aware of how waste is managed. Especially plastic waste.

Waste disposal or management in the villages of Sedagaran, Sedayu, Gresik that is not managed properly will result problems. because accumulation of waste or throwing it carelessly into open areas will result in soil pollution which will also have an impact on groundwater channels. Likewise, burning rubbish will cause air pollution, throwing rubbish into rivers will result in water pollution, blocked waterways and flooding. (Hasibuan, 2016). This problem also occurs in Batu Jangkih Village because there is no land that can be used as a temporary disposal site in the village and the community's lack of knowledge regarding proper and correct waste processing procedures.

The environment plays an important role for the survival of mankind and all living things on earth and the environment must be preserved. Humans who live on earth are not alone but together with other creatures, who have needs and depend on each other. Humans and other creatures need a beautiful environment to continue life. environmentally

friendly or by reusing used goods so as not to waste natural resources. Humans who are aware of the environment can be seen from their attitudes and actions to maintain and preserve the environment with full responsibility.

The increase in waste is in line with increasing infrastructure development and increasing human growth without being balanced by waste handling and management patterns with

adequate facilities and infrastructure (Dwi & Al Bagi, 2021).

Environmental sustainability is an effort to protect and maintain the environment so that the environment continues to function to maintain the continuity of life of living creatures, including humans. on earth. Environmental changes can various aspects of life, changes that occur in the human living environment can cause environmental disruption, so that the environment's function is reduced. Environmental changes can occur due to natural factors such as earthquakes, volcanic eruptions, forest fires and so on, but can also occur due to human intervention such as floods, landslides, frequent droughts and so on. Therefore, people are required to protect and maintain the environment so that its sustainability is maintained. Public awareness is needed to continue to preserve nature for the sake of harmonious life of living creatures on this earth. To build public awareness, environmental outreach and education is needed in order to equip the community with knowledge. understanding and responsible attitudes as well as adaptive behavior by utilizing unused items.

Real Work Lectures (KKN) is a form of intracurricular which is an implementation of the Tridharma of Higher Education, providing students with work and learning experiences in community empowerment (Syardiansah, 2017).

Building Family Awareness to Preserve the Environment. Environmental Conservation Conservation can generally be defined as an effort or activity to care for, protect and develop conservation objects that have value to be preserved. Meanwhile, according to Otto Soemarwoto, the environment is everything around living things or organisms that has a big

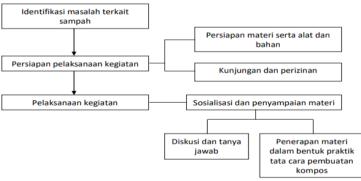
influence on the lives of these living things.

Based on Law no. 23 of 1997, the living environment is an inseparable unit in a space with objects, conditions, forces and living creatures. This also includes humans and their behavior which influences the life and welfare of humans themselves and other living creatures. The environment plays an important role for the survival of humanity and all components of living creatures on earth. Environmental Conservation is the protection, management and restoration of the natural environment and the ecological communities that inhabit it from destruction and damage. Environmental preservation according to Article 1 Paragraph 6 of Law Number 32 of 2009 concerning Environmental Protection and Management, is a series of efforts to maintain the continuity of the carrying capacity and capacity of environment. The importance of the environment for life, the environment as a place to live (habitat) for humans, animals and plants, the environment as a place to find food, the environment as place for life, activities, socioeconomic, political and cultural. A very important factor in environmental problems includes the size of the population. humans, with the rapid growth of the human population, the need for food, fuel, housing and other needs as well as domestic waste will also increase rapidly.

METHOD

The location for the training activities was carried out in Sedagaran Village, Sedayu District, Gresik on 10, 13 and 15 August 2024. The targets of this training on managing organic waste into compost were residents of Sedagaran village in general, women PKK cadres and youth of Sedagaran Village. The companion in the training was Chintya

Rosalina Allodya Rianto, assisted by a group of 20 regular KKN students from Muhammadiyah University, Surabaya. The method for implementing community service Sedagaran includes 3 (three) stages, namely: (1) identification of waste-related problems; (2) preparation for carrying out activities including materials, tools and materials; and (3) implementation of activities including socialization, discussions and questions and answers as well as application of material in the form of compost making training. So, with this activity, it is hoped that it can increase the knowledge of the people of Sedagaran Village regarding the management procedures and utilizing household organic waste so that they can minimize waste that is thrown anywhere.



Gambar 1. Alur kegiatan pengabdian

RESULTS AND DISCUSSIONS

Community service activities in the Nayata Work Lecture at Muhammadiyah University of Surabaya are carried out in accordance with existing themes, starting from the stage of identifying waste-related problems to implementing activities. Implementation of socialization and training activities for household organic waste processing in Sedagaran Village as an effort to minimize waste being

thrown out of the house, especially if it is thrown carelessly, which can cause problems for the environment and society. This activity was carried out in three stages which will be described in the following explanation. direct inspection of places where rubbish is piled up and where illegal rubbish is dumped.

1. Identify Waste-Related Problems

This stage is carried out before the preparation and implementation stages are carried out. This activity was carried out to obtain information regarding the waste problem in Sedagaran Village. The form of activities carried out at this stage is by conducting visits, discussions and interviews with village officials and youth of Sedagaran Village regarding waste problems and places that are used as locations for illegal waste dumping in the village. After receiving the information, the KKN group together with the youth of Sedagaran Village then carried out a direct inspection of the places where the rubbish was piled up and where the illegal rubbish was dumped.

2. Preparation for Implementation of Activities

This stage was carried out to prepare socialization and training activities for household organic waste processing in Sedagaran Village. The activities carried out include preparing materials, tools and materials that will be used during the activity as well as visiting village officials, hamlet heads and PKK cadre leaders in Sedagaran Village to convey information about activities as well as requesting permission and support for the socialization and training activities.



Gambar 2.

a. Implementation of Activities

Socialization and training activities for household organic waste processing in Sedagaran Village by the KKN student group at Muhammadiyah University of Surabaya were carried out 3 (three) times.



Gambar 3. (a), (b)

The first implementation will be held on August 10 2024 in the Sedagaran Village Office Hall. The second implementation was held on August 13 2024 at the KKN Post with the youth of Sedagaran Village. And the third implementation was carried out again in the Sedagaran Village Office Hall on August 15 2024 after receiving direction and input from Sedagaran village officials so that the target was more comprehensive, it was

recommended that the invited participants be PKK cadres.



Gambar 4.

b. Socialization and Delivery of Material The socialization and delivery of material about processing household organic waste into compost was explained directly by Cintya, a student at the Faculty of Medicine, Muhammadiyah University, Surabaya. The presentation material during the implementation in the Sedagaran Village Office Hall was displayed via an LCD projector as well as relevant images to facilitate participants' understanding (Anwar et al., 2019). In this socialization, a general overview of waste sorting was explained, including the types of waste that fall into the organic waste category, the definition and sources of compost. procedures for waste processing organic into compost, as well as tools and materials that will be used in making compost later (Mahanani et al. al., 2020).

c. Discussion and Q&A

After delivering all the material, a question and answer session was opened. Participants are given the opportunity to ask questions related to the material that has been presented. Participants who attended each activity seemed to actively ask questions and were enthusiastic about this activity of making compost from household

organic waste. The participants increasingly understand that waste in the kitchen and other organic waste can actually be used as compost using simple tools that are easy to obtain. The reason is that kitchen waste, which previously was just wasted, has now been given additional insight so that it can be used as compost material which can be useful for fertilizing plants. And if focused, the processed compost product has the opportunity to have economic value so that it can be used as additional income for the community (Astuti & Hariyono, 2018).



Gambar 5. (a), (b)

The result of this activity was that all participants were interested and enthusiastic about participating in plastic waste processing training activities. The enthusiasm of the participants was seen in the number participants who attended. of especially in the third implementation, 30 namely participants who came from PKK cadres in Batu Sedagaran Village. This exceeded the estimates of the activity organizing committee, which estimated that there would be less than that number of participants. Enthusiasm was also seen from the participants who attended the activity, namely from their involvement in taking part in the activity. Overall, participants actively asked questions regarding materials for processing and making compost from household organic waste and other sources of organic waste. This compost processing training program has succeeded in increasing the insight and skills of the people of Batu Sedagaran Village to process organic waste into useful new products. This was conveyed directly by the head of the Sedagaran Village PKK cadre who was grateful for the training activities carried out because he was able to gain additional insight regarding the use and management of plastic waste.

CONCLUSION

Community service activities are mandatory activities that must be carried out by lecturers in carrying out the Tridharma of Higher Education. The community service activity of Insani Wahyu Mubarok, M. Pd from the Faculty of Teacher Training and Education, Muhammadiyah University of Surabaya was carried out on August 2024. Participants in community service activity were the wagra of Sedagaran village, Sedayu District, Gresik Regency - East Java, totaling 30 people. This event was quite successful as seen from the enthusiasm of the residents in participating in this activity, the many questions and suggestions as well as the growing awareness of the participants protecting in environment as seen from the collection of rubbish that was scattered after the event. The residents were enthusiastic about managing plastic waste.

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