

## INTRODUCTION AND EDUCATION OF SORTING ORGANIC AND NON-ORGANIC WASTE IN STUDENTS AT SDN 03 RANTAU SELATAN

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### Abstract

Garbage is part of human life. Garbage is left over objects that are not used. Garbage should receive serious attention and handling. Due to the lack of understanding of the community and the government, as well as the lack of funds and income for the majority of the community, the waste problem is often neglected. Currently, most people are aware of the effects of waste, which include causing adverse flooding, disease and odors that can interfere with life, but this is not balanced by the behavior of the people themselves. Changes in behavior can be done through habits that have been practiced since school age. Learning for school-age children is an important stage for habituation of behavior. This community service activity aims to increase public knowledge about waste starting at school age. This goal is realized by providing information about waste to SD 03 Rantau Selatan students. The methods used in this activity are presentations, demonstrations and practice of sorting waste. It is hoped that through this activity the children of SD 03 Rantau Selatan will be able to recognize, differentiate and practice waste sorting. The results of this activity were able to increase children's knowledge and habits in disposing of garbage in its place.

**Keywords:** Behavior, Garbage, School Age Children

### INTRODUCTION

Garbage is leftover material from human activities that has no use, and therefore must be managed properly. Without good and correct management, waste will cause losses resulting in flooding, an unpleasant environmental odor, disturbing beauty, and a threat to disease for the community.

The lack of public awareness of the importance of caring for the surrounding environment and the ever-increasing amount of waste production is the cause of the waste problem (Fadlilah & Muqowim, 2020). Waste management has many benefits for both adults and even children too, where if a child is brought up in an environment that knows how to reduce and recycle waste, the child will become a responsible and wise person in a community (Hasibuan & Dalimunthe, 2022). Waste management can be classified as follows, namely sorting to categorize waste into organic waste and non-organic waste.

Organic waste (such as food leftovers) can be reprocessed into compost which, if managed properly and correctly, and non-organic waste (such as glass bottles) can be recycled into other items that have a sale value and can be used again (Ariyanto & Sugiri, 2015) .

Labuhan Batu Regency is estimated to produce around 30 tons of organic and non-organic waste per day, said the Head of the Market and Sanitation Service (Kadispenas) of the Labuhan Batu Regency Government, H Kamal Ilham Nasution. Where is that amount of waste obtained from the community's leftover materials which are very excessive, especially from several market locations including the Gelugur Rantauprapat market, Aeknabara, Negeri Lama, Sigambal, Pasar Lama and Ajamu.

Therefore, there is a need for more incentive efforts to increase public awareness and concern regarding how to manage waste properly. So with other factors such as planting education for early childhood, it is also necessary to instill concern for the surrounding environment. At an early age they are a golden age, at which age they easily understand information and begin to instill routine values by imitating what they observe. So it is necessary to manage waste from an early age. Environmental education at the age of 6-12 years can function as one of the main inputs in increasing relevant environmentally friendly activities. Environmental education from an early age is more optimally carried out because of the different development of children and the characteristics of children and adults are also very influential. So referring to the problems of existing partners, during the initial visit to SDN 03 South Rantau there were still many students who did not know the difference between organic and non-organic waste.

With that this community service activity aims to be able to provide awareness and understanding to elementary school children that are more advanced about sorting and segregating waste properly according to its type in order to preserve the environment. It is hoped that the results of this service for elementary school children will be an increased understanding of waste management and its implementation in everyday life in the surrounding environment.

## **IMPLEMENTATION METHOD**

This community service activity was carried out at SDN 03 South Rantau. The audience for this activity were 45 children from SDN 03 Rantau Selatan, namely grades 3 , 4 and 5. The topic of the activity was sorting organic and non-organic waste for the children of SDN 03 Rantau Selatan. The media used to facilitate the implementation of counseling is to use a notebook where the presenter (myself) of the counseling uses powerpoint as well as distribution of door prizes to students who succeed in finding and sorting waste correctly.

## **RESULTS AND DISCUSSION**

Community service activities carried out at SD 03 South Rantau began at 08.30 in the morning. As many as 50 children from SD 03 Rantau Selatan from grades 3, 4 and 5 have been gathered in class to find out the material that the author has made.

Before continuing the material to be delivered, it turns out that there are still many students who do not know or do not know what organic and non-organic waste is. So it is

hoped that the presenter must be able to provide good and clear material so that students are able to understand and apply it in everyday life.

It turned out that after the presenters had finished delivering the material, the students of SDN 03 South Rantau immediately practiced the school's spaciousness so that the students knew which examples of organic and non-organic waste were. Of the 50 students, it turns out that there are still those who don't understand, there are as many as 5 children who have not been able to sort organic and non-organic waste. Meanwhile, there were 45 children who already understood. The output that is produced from this service is that of the total number of children as many as 50 students it turns out that 90% of the total number of students almost all understand how to sort organic and non-organic waste.



**Figure 1**

Presentation of extension materials about organic and non-organic waste by the author. The first session is where the author explains the classification of waste according to its nature, namely organic and non-organic waste. Where students are very enthusiastic about listening to the material presented by the author.



**Figure 2**

The sorting of organic and non-organic waste samples went smoothly and the children at SD 03 Rantau Selatan enthusiastically chose and put organic and non-organic waste samples into the bins provided. With direct practice, it is hoped that the children of SD 03 Rantau Selatan can implement it in the long term and in line with educational activities for children from an early age it is very important to carry out related to environmental awareness.



**Figure 3**

After the students carried out activities in the school field and succeeded in sorting and finding organic and non-organic waste, it was time to distribute prizes to students 03 South Rantau because the results of the activities carried out by the author in the framework of the final assignment had been successful and went well.



**Figures 4 and 5**

Session of handing over trash bins to the school principal of SD 03 South Rantau and taking a group photo with students of 03 South Rantau. The counseling activity was then closed by holding a group photo and giving trash bins as a thank you from Labuhanbatu University students to SD 03 Rantau Selatan who had become community service partners.

## **CONCLUSION**

The low awareness of elementary school students in carrying out a clean and healthy life, especially knowledge and attitudes in disposing of garbage and sorting waste, so that waste processing can be carried out for the next activity. So that students can effectively change someone's behavior to make changes, and provide health education as early as possible so that what is conveyed will be embedded at any time.

By carrying out this community service socialization activity, it is hoped that the knowledge of children at SD 03 Rantau Selatan will increase regarding the importance of sorting and disposing of waste properly. In addition, this activity also encourages children's awareness as a part of society to reduce waste accumulation. This is done to preserve the environment in the long term and prevent natural disasters. Community service activities can then be directed to the practice of how to process and recycle organic and non-organic waste in the future .

Labuhanbatu Regency is also still experiencing many problems regarding waste, where more and more waste can pollute the surrounding environment. Therefore, the Kadispaskeb

Pemkab Labuhan Batu suggested opening a new land for final waste disposal. To prevent the accumulation of waste that is increasingly rising.

As for my suggestion, to increase the knowledge of school community partners about waste, namely:

1. SDN 03 Rantau Selatan must cooperate with the Environmental Service to pay more attention to the waste in the school, so that waste does not accumulate too much. So the Environment Agency gave a schedule for cleaning workers to pick up trash every day from school, even every school there is.
2. The school should make more trash bins, if possible, each class should have at least 2 (two) trash bins so they can sort organic and non-organic waste properly.
3. Socialization and guidance related to the management of organic and non-organic waste should be held regularly so that students' perceptions and knowledge are even better so that it is not just knowledge but actually carried out in everyday life
4. For other researchers, it is hoped that they can continue this research even better and have a good impact on children at an early age.
5. On the part of parents, students must also provide education about waste so that not only at school but in the home environment they also receive proper guidance regarding waste.

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