

Efforts to Increase and Utilize the Creativity of Students of Batu Dua State Elementary School, Bogor Regency through Plastic Waste Management

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ABSTRACT

Creating creative students can be done by doing some activities that can provoke their desire to try new things. The success of a student is determined by the cooperation between the school and the teacher who can create competent students. As happened at SDN Batu Dua school, why did the researcher choose this school because according to the results of observations that the researcher had made previously at the school, there was still a lack of interest in children in the surrounding things that could be utilized. Due to the rapid development of technology, children tend to prefer things that are easy for them to find. For example, due to technological developments, children can easily get toys or items they like through their cellphones. This can affect children's interest in developing their potential. Real work study (KKN) by Ibn Khaldun University of Bogor students at Batu Dua State Elementary School. The kukerta team and teachers worked together to gather students in the classroom. By collecting plastic waste around the house and school. Then, children learn about how to utilize waste and recycle processing. In this activity, the main object of activity is students in grades 1 to 6. They practice waste recycling processing by utilizing inorganic waste to make useful items and improve their creativity skills.

Keywords: Creativity Enhancement; Waste Management; SDN Batu Dua.

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Introduction

Every individual must have experienced a difficulty in their life, which must be accompanied by survival. Not infrequently through frequent difficulties, a person is actually encouraged to think creatively. The urge to survive even better has honed one's creative abilities. However, this does not mean that every individual must be given difficulties first in order to develop their creativity.

Burton in Siregar (2010: 4) states that learning is a process of behavioral change in individuals due to interactions between individuals and individuals, and individuals and their environment so that they are better able to interact with their environment. Learning or teaching is an important part of the educational process.

The importance of learning in education is reflected in the definition of education in accordance with Indonesian Law Number 20 of 2003, Chapter 1, Article 1 as follows: Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have religious spiritual strength, self-control, personality, intelligence, noble character, and skills needed by themselves, society, nation and state (Law of the Republic of Indonesia Number 20 of 2003, Chapter 1, Article 1).

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The success of a student is very much determined by the cooperation between the school and the teacher who can create competent students. As happened at SDN Batu Dua school, why did the researcher choose the school because according to the results of observations that have been made by previous researchers at the school, there is still a lack of interest in children in the surrounding things that can be utilized. Due to the rapid development of technology, children tend to prefer things that are easy for them to find. For example, due to technological developments, children can easily get toys or items they like through their cellphones. This can affect children's interest in developing their potential.

Providing interesting learning can be done not only in the classroom but also outside the classroom in nature, or by utilizing goods and objects in the surrounding environment as a learning tool. With learning held outside the classroom and using a variety of objects that can be utilized in the surrounding environment, it allows students to think much more creatively where they can think freely and can imagine about whatever they feel and what they will create.

From the explanation contained above, the researcher intends to conduct research at SDN Batu Dua, Wangunjaya kec. Leuwisadeng, Bogor Regency, West Java using a sample of grades 1-6 at SDN Batu Dua. By taking the title "Efforts to Increase and Utilize the Creativity of Batu Dua State Elementary School Students through Plastic Waste Management".

Research Method

Real work study (KKN) by Ibn Khaldun University of Bogor students at Batu Dua State Elementary School. The KKN team and teachers worked together to collect students in the classroom. Initially, collecting plastic waste around the house and school. Then, telling the children about waste and how to recycle waste.

This activity provides material on the delivery of inorganic waste recycling management and the importance of sorting inorganic waste so that it can be reused, recycled and has economic value. The learning material is in the form of a PowerPoint presentation with examples of organic and inorganic waste explained by the KKN team. This helped students understand the meaning of waste, the impact of types of waste and how to sort them. Community service activities related to the socialization of waste recycling at SDN Batu Dua, Leuwisadeng District, carried out various activities as follows:

1. Field survey
The environmental field survey of SDN Batu Dua aims to see the condition of the school environment which is planned as the target object
2. Coordination with interested parties.
Coordinate with the principal, teachers and staff of SDN Batu Dua to determine the time and class to agree on the application of waste recycling guidelines.
3. Program management.
Program management is intended to provide information regarding various implementation programs that will be offered to students of SDN Batu Dua.
4. Activity implementation
 - a) Lectures, used to explain research materials about waste management.
 - b) Management practices, types of inorganic waste aimed at making handicrafts in the form of toge pots, flower-shaped window decorations, and decorating trash bins.

Result

In the background document of the 2013 curriculum, it is stated that in order for students to become educated human beings who are faithful and devoted to God Almighty, noble, healthy, knowledgeable, capable, creative, independent, it is necessary to develop creativity that refers to the 2013 curriculum.

The ability to be creative is needed by every individual in dealing with their various needs. This condition needs to be considered by parents and educators. Do not let the nation's creative ability be stopped because this nation (the younger generation) is already accustomed to enjoying something that is already available.

Therefore, this activity to increase the creativity of waste management at SDN Batu Dua took place on Thursday, August 24, 2023. This activity is expected to help students come up with creative ideas in plastic waste management and reduce waste that enters the environment so that it causes environmental pollution. The first activity carried out was the preparation of plastic cup waste collection by students in grades 1 to 6.

In this activity, the main audience is students in grades 1 to 6. They practice recycling waste by utilizing inorganic waste to make useful items and improve their creativity skills. The results of the activity include: conducting a behavioral and environmental survey of SDN Batu Dua students, discussing with the principal, teachers and staff of SDN Batu Dua to obtain information on activities to increase waste management creativity and obstacles in waste management at SDN Batu Dua, and agreeing to carry out the activity.

Thanks to the waste management efforts that have been made, SDN Batu Dua has the potential to manage waste well. In general, the teachers know about waste management, but according to information there are some obstacles in waste management, namely: Waste management becomes more difficult because there are no sorting bins, there are no janitors at school and sometimes many students throw their waste under the table, in the corners of the classroom and do not have sufficient funds to manage it. Activities to increase the creativity of waste management were carried out through demonstrations and exercises in class and in the school yard. The socialization of organic and inorganic waste classification took place in the following stages:

1. Provide students with organic and inorganic waste sorting equipment.
2. Teaching students to separate the two types of waste.
3. Organized an interactive information and question and answer session for the socialization participants.

After separating organic and inorganic waste, bins were purchased to see the results of the socialization. In addition, students were introduced to how to recycle inorganic waste.



Figure 1. Painting the trash can



Figure 2. Making Toge Pots



Figure 3. Making Window Decorations



Figure 5. Toge Pots



Figure 6. Group Photo

Thanks to the activeness of the KKN team, the awareness of SDN Batu Dua students about waste sorting has increased. Students enthusiastically listen to social materials about waste management in the classroom and on the field of SDN Batu Dua. In the symbolic handover, students' enthusiasm, the principal's open attitude, and the teachers' meeting with the KKN team regarding waste sorting materials to be distributed to students were seen. The sorting of organic and inorganic waste shows students' interest in sorting waste. In the digital era, the importance of information technology continues to increase. It not only facilitates communication and access to information, but also plays a role in business development and training. This technology allows us to do many things with just a few clicks.

Table 1. Manufacturing Cost

NO	DESCRIPTION	VOL	PRICE
1	Paint	6 kg	15.000
2	Brush	6 pcs	10.000
3	Bucket	6	-
4	Aqua Glass	-	-
5	Streples	5	15.000
6	Water	-	-
7	Green beans	¼	8.000
8	Wipes	1 pack	10.000

Conclusion

The importance of learning in education is reflected in the definition of education in accordance with Indonesian Law Number 20 of 2003, Chapter 1, Article 1 as follows: Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have religious spiritual strength, self-control, personality, intelligence, noble character, and skills needed by themselves, society, nation and state (Law of the Republic of Indonesia Number 20 of 2003, Chapter 1, Article 1).

With learning held outside the classroom and using a variety of objects that can be utilized in the surrounding environment, it allows students to think much more creatively where they can think freely and can imagine about whatever they feel and what they will create.

The results of these activities include: conducting a behavioral and environmental survey of students at SDN Batu Dua, discussing with the principal, teachers and staff of SDN Batu Dua to obtain information on activities to increase waste management creativity and obstacles in waste management at SDN Batu Dua, and agreeing to carry out these activities, Students are very enthusiastic about listening to social materials about waste management in the classroom and in the field at SDN Batu Dua.

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