Analysis of Student Knowledge About The Hazards of Waste To Health in Students Living in The ADB Complex 1 Meureubo District

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Abstract: The piles of garbage that are thrown away by the community will increase every day and coupled with the low waste management by the community which results in the waste produced by the community every day experiencing accumulation. This problem arises due to the lack of public knowledge about the dangers of waste to the environment and humans. The purpose of this study was to analyze student knowledge about the dangers of waste to health in students living in adb 1 complex, meureubo district. The results of this study indicate that students' knowledge about the dangers of waste is good and the attitude of students in disposing of waste is not good because many students living in ADB 1 are littering beside the entrance to the ADB 1 complex.

Keywords: Attitude, Environment, Knowledge, Pollution, Trash

Introduction

In this era of development the level of Population growth is getting higher, the high population causes several problems, one of which is the amount of waste generated from the activities of the world's population, be it waste from industry, agriculture, and households. Indonesia is ranked third in producing the most waste in the world with a total of 185,753 tons per day or 67.8 with a population of 270 million people (Tempo.com). In the province of Aceh in 2019, the amount of waste generated per day was 7,094.82 m3$^{/}$ day or 2,505.5 tons/day with a population of 5,372 million. West Aceh Regency contributes 112.6 tons of waste/day with a population of 198, 736 residents (BPS for the environment and forestry).

One of the most common types of waste found in waste domestic generated from waste households, both organic and non-organic. Along with the progress of physical development and increasing infrastructure that supports the production of waste which will result in environmental pollution and cause new problems, namely the emergence of infectious diseases.

The piles of garbage thrown away by the community will increase every day and coupled with the low waste management by the community which results in the waste produced by the community every day experiencing accumulation. This problem arises due to the lack of public knowledge about the dangers of waste to the environment and humans (Fauzi M. 2019). ADB complex 1 is one of the housing complexes in Meureubo, West Aceh Regency, which is located in Panyang Timur Village, Meureubo District, Agam Regency. Most of those living in the ADB 1 complex are students, fewer ADB 1 natives still survive there.

In March 2020 the people of the ADB 1 complex disposed of their garbage in one of the lands at the entrance to the ADB 1 complex and there has been no regular waste management by the

community or village officials. This habit causes environmental pollution.

Based on the description above, the purpose of this study is to analyze student knowledge about the dangers of waste to health in students living in adb 1 complex, meureubo district.

Method

This research

Used a qualitative method with aapproach descriptive and observational approach, with the aim of analyzing students' knowledge about the health hazards of waste living in ADB complex 1, Meureubo sub-district.

Research informants Research

Informants are sources of information that are used as research targets in obtaining information, where the informants in this study are several residents of Ujung Tanjung, Meureubo District, West Aceh Regency.

Materials and research The

Materials used in this study were interview guides and the tool used in this study was audio recode.

Research variable

Knowledge, namely student knowledge about the dangers of waste to waste

Data collection techniques

1. Primary data: data obtained directly by conducting in-depth interviews with informants.
2. Secondary data: data obtained indirectly such as data from journals, books, BPS, etc.

Data analysis techniques

a. Data Reduction,
   Data Reduction, means summarizing, choosing the main things, focusing on important events or events. The method used by researchers in reducing data is that researchers describe, combine and analyze the data obtained.
b. Presentation of Data (Data Display)
   After the data is reduced, the next step is to present the data. Presentation of data can be done in the form of a brief description.
c. Data Verification (Conclusion Drawing)
   Provide conclusions about the research results and suggestions for the parties concerned.

Results

In december 2020 the main informant explained that the accumulation of garbage in the ADB 1 complex was due to the absence of facilities, namely the trash bin which did not yet exist, so that people still disposed of their garbage in open land on the road to ADB 1, the garbage

piled up burned on the land . And there are still many things that happen outside the control of the informants, many residents throw garbage carelessly so that there is a buildup of garbage which results in a lot of flies and smells bad. The main informants have been active and good in dealing with the buildup, but the residents of ADB 1 have not played a role or do not care about the situation. There was once a trash can but there was no transportation garbage so that garbage accumulation occurred.

The results of research on student knowledge about the dangers of waste to health are good, because most of the informants in this study knew what the impact of waste was on health and for the environment surrounding. But the lack of awareness of students living in the ADB 1. The informant also explains explain that they are not the original inhabitants of ADB 1 and they do not know what to throw garbage anywhere because of which there is no place for sewage treatment, such as land to burn garbage sopath the alternative theirDispose of garbage on the land empty on the road to the ADB complex 1.

Discussion

Knowledge

According to Soekidjo Notoatmodjo (2014), knowledge is the result of knowing and occurs after someone senses a certain object. So knowledge is the result after using sensing such as seeing, feeling and others in making observations or observations of an object. The results of this study on knowledge students about the dangers of waste to health are good. Students living at ADB 1 know in general what the impact of waste on health is. ADB 1 students know that piles of garbage will have an impact on themselves, for example the impact on students walking, the emergence of unpleasant odors that make pedestrians feel disturbed. Knowing the impact of waste is very important because it does not only have an impact on humans but also has an impact on the environment and the ecosystem surrounding it. As explained by Rahmah S, 2021, which states that an understanding of the impact of waste on the environment is needed because waste can become an environmental pollutant. The impact of waste on environmental cleanliness, among others, seepage liquid waste that enters the drainage or river will pollute the water (Rahmah S, 2021).

Good knowledge does not necessarily make a contribution positive to a person's behavior, it means that not everyone who has knowledge goodcan change his behavior (Setyowati R. 2013)

Attitude

In the results of research students throw garbage on vacant land that is in the driveway ADB complex 1. After the local government provided garbage bins on the vacant land, many of them threw their garbage outside the trash can so that a lot of garbage was scattered around the trash bin. The impact of this behavior is that the waste will pollute the ecosystem or the land around it and be exacerbated by wild animals which add to the garbage being scattered in several places around the vacant land.

Students living at ADB 1 are tenants or newcomers to the complex, so they don't know what to do with garbage and plus many of them don't have land to manage waste.

Conclusion

Students' knowledge about the impact of waste on health is categorized as good and the attitude of students in disposing of garbage is not good, because many students litter and even though they have been prepared. The local government trash can, there still are many students who throw garbage outside the trash can that has been provided.

Acknowledgments

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