

KNOWLEDGE ABOUT WORMS IN PRIMARY 1 SCHOOL

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ABSTRACT

Student's knowledge of worms is the result of student's perceptions about worm infections and the process of how these worms can cause disease. Primary school student can be the main target for worm parasites because they often play in the dirt. The aim of this research was to determine the knowledge of Primary 1 school student about worms. This research method is called descriptive research, with a sample size of 40 participants and using total sampling. The results of the study found that the participants' knowledge about worms was 62,5% in the good category, 25% in the sufficient category and 12,5% in the poor category. Participant's knowledge was generally categorized as good due to the influence of teacher education at school and assistance from the community health centers in administering worm medicine once every 6 months. Participants' knowledge about worms in general is good.

Keywords: knowledge about worms; primary school student's knowledge; worms

INTRODUCTION

One of the health problems in Indonesia is worms. WHO in 2019 stated that more than 1.5 million people experienced helminthiasis. In 2015, the total number of worm infections occurred was 711,000,000 (150 million pre-school children, 561 million school-age children). In 2016, the total number of worm cases was 75% (WHO, 2019). Worms are an infectious disease caused by parasites in the form of worms. These worm parasites generally come from intestinal nematode groups, which are transmitted through soil, such as *Ascaris lumbricoides*, *Trihuristrichiura*, *Necator americanus* and *Strongyloides stercoralis* (Suriani, E., Irawati, N., & Lestari, Y. (2020). Worm infections are the entry of disease germs or parasites into the human body until they reproduce, causing disease. A worm infection is said to be positive if STH (Soil Transmitted Helminthes) worm eggs are found in the child's feces.

The number of STH worm infections in Indonesia is generally very high or increasing rapidly, especially in communities whose environments are less clean. According to the data obtained, there are around 2.5% - 62% found in preschool and elementary school children with very high numbers (Dewi N, 2017). Knowledge is the result of the human sensory system, namely receiving objects through the sensory system they have. By using the sensory system you have, new knowledge will be obtained. The sensory systems that are widely used in obtaining knowledge are the eyes and ears (Kristianto W, 2021). Primary school students are very susceptible to worms because they like to play in the dirt. Usually during the recess bell, elementary school students really like to play with their friends on the ground. They do many game activities, such as playing marbles, jumping, drawing on the ground and other games. The exciting games they play can improve their motor and sensory abilities (Sigalingging, et al. 2019). SD Negeri 101822 Pancur Batu is a state elementary school which has 184 students for grades 1 to 6. For grades 1, 2 and 3 the elementary school has 95 students. Researchers have conducted a survey of the school environment. The results of the researcher's survey found that the school field was quite large, with the school field being

cement and some also being dirt. When studying in class, children take off their shoes and arrange their shoes on the shoe rack, only wearing socks when studying in class.

METHOD

The research method is descriptive with a cross sectional approach to see a picture of student's knowledge about worms. Participants' knowledge can be determined through a questionnaire with the results of participants' answers regarding worms.

RESULTS AND DISCUSSION

The following are the results of the participants' knowledge that we found :

Table 1.
Participant's knowledge about worms (n=40)

Knowledge Level	f	%
Good	25 person	62.5
Sufficient	10 person	25
Poor	5 person	12,5

Tabel 1, it can be seen that there are 3 categories of participants' knowledge levels. Of the 40 participants studied, 25 people had a good level of knowledge, 10 people had a sufficient level of knowledge and 5 people had a poor level of knowledge. The level of knowledge of students in the good category dominates, namely 62.5%. Researchers have conducted interviews with school principals and class teachers, that every Saturday they always check the cleanliness of their hands (including nails), feet before entering school and after returning from school. Apart from carrying out personal hygiene checks, the class teacher also provides health education on why participants must maintain personal hygiene, including their hands and feet. The class teacher explained that one of the goals of carrying out personal hygiene was also to prevent the occurrence of worms in the participants' bodies and the participants would know and be willing to maintain their personal hygiene

Hand hygiene education was also carried out at SDN 071 Pekanbaru classes 1 and 2. This education was carried out on 30 students and the results of this education showed that participants were able to prevent worms by implementing personal hygiene every day (Juariah, S. 2017). Another factor that can influence the increase in primary school student's knowledge about worm is assistance through assistance provided by the Community Health Center team. The community health center came to the SDN 102288 Pancurbatu school to provide health education about the dangers of worms in children and provide worm medicine to participants because they are required to take worm medicine once every 6 months. Education on giving worm medicine is also carried out at Nurul Iman Kindergarten. A total of 30 kindergarten students were given health education and giving worm medicine and the children learned to understand this education and some already understood the benefits of the worm medicine given (Pratama, I. S., Aini, S. R., & Maharani, B. F. (2019).

CONCLUSION

The primary school students' knowledge about worms is good. Further research needs to provide knowledge about worms to all students at the school SD Negeri 101822 Pancur Batu in order to obtain maximum results.

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