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## The Influence of Education Health on Increased Knowledge Students, about Waste Management in SDN 017 Samarinda

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### Abstract

Education and health is a form of intervention or efforts aimed at behavior, so that these behaviors are conducive to health. Health education given to school student will give deep implications if the process of education optimally. Efforts to education through extension activities is done to increase the knowledge in the community of thing in information. Counseling education in the field of waste management based on the large number of the scum produced in the community but are yet to be dealt in full. The extension that done is the method lectures or question and answer. A design used in this research is non equivalent control group design by choosing a student III and divide 2 where the group 1 counseling without a video and group 2 counseling by a video. Any impact usage method of talks with a video than counseling in a speech without video increase knowledge student with the average - the knowledge that 89,72 students and uses the talks without a video point in - average only 71,50.

*Keywords* : Health Education, Knowledge, Waste Management

### 1. INTRODUCTION

Health is the right of basic human and is one very determined factor the quality of human resources. Hence, health need to kept and be increased its quality and protected from the threat who have lost. According to degrees HL Blum health influenced by 4 namely environmental factors, behavior, health services, and the generation. Environmental factor and behavior affected of health care. Including environmental factor is a state of settlement, work, school and places common while including factors behavior is described in surviving customs daily as food consumption pattern, cleanliness individuals, lifestyle and behavior towards health effort.

A community empowerment activity basically has been adopted in different areas and gives benefits that can be perceived directly by community. An effort to empower that operates is extension activities. These extension efforts done to increase the knowledge in the community of the in information. Counseling activity in the field of waste management where it is based on the number of garbage in society but are yet to be dealt in full.

Rubble produced one of them is derived from school. Waste management school would be one of businesses to taken to be healthy school more clean and comfortable. Efforts are in the garbage sorting organic matter and inorganic to be applied in school with a view is easy to use a kind of litter can still for recycling.

The school clean and well-ordered is the harmony of. Program cleanliness the vicinity of the school should be made needs service the students. Service system is the involvement of school students because systems are go well if the students have participated. The involvement of the students put them in the position of not only as an object but also as a subject in health care service system especially the field of waste management in the school. So that level knowledge and the behavior of students in the field of garbage especially sorting organic garbage and inorganic needs to be improved in order to keep the schools that clean and comfortable. Knowledge will contribute to the establishment of the perception, attitude, and conduct of students. A person can determine his behavior to an idea based on knowledge available.

Health education going to work if the process of education furnished with the tools sufficient. The extension that done is the method lectures or integration and equipped with the tools additional other media that the talks hosted easy to understand by audience. One of the media or the tools in counseling health is video compact disk. ( vcds ). Video as electronic media is media communication have an element audio and visual ( narrative, music, dialogue, a picture, animation, a chart ) as excellence compared to other media mass communications. Video mostly used as props to of a group meeting especially with the purpose to influence the attitudes and knowledge target.

Counseling activity health in primary school done so that understanding health, especially waste management it is understandable as early as possible. Counseling health with the methods talk accompanied a video compared with lectures without a video to increase knowledge of primary school students class III about

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dump management. Schools that be a place of research is SDN 017 on aw.syahrani kecamatan samarinda ulu kelurahan air hitam . The researchers took third graders because at age group has been receptive new innovation and a strong desire to convey knowledge and information they received from others. While the selection of schools is based because SDN 017 is schools that vision environmentally sound this it is certainly in line with research i made because it could help realize vision out of school are can increase of knowledge the students class iii in the field of management garbage of course .

## 2. RESEARCH METHOD

Health counseling done with a method of lectures accompanied screening video compared with lectures without screening video to increase knowledge of primary school students' class iii on the management of waste. School is the research is SDN 017 on the streets of aw.syahrani kecamatan samarinda ulu. Reason researchers take a student of class iii because on for age group has been receptive new innovations and have a strong desire for conveying knowledge and of the information they received from others. Another reason for matter of environmental health has been sent to third graders depicted in the curriculum against some subjects. While the selection of schools is based because SDN 017 is schools that vision environmentally sound this it is certainly in line with research i made because it could help realize vision out of school are can increase of knowledge the students class III in the field of management garbage of course .The respondents involved in this research 61 students.

## 3. RESULT AND DISCUSSION

Knowledge of students before counseling to know knowledge early students about waste management researchers conducted test early ( pretest ). This test done to all students class III together but have be separated for the students who received counseling by using the method talk by a video and without a video. The average value of the knowledge early in the third grade students on the management of waste can be said to be equivalent or equal between students group I ( talk without video ) and of group II ( lectures with video ) namely the average value of as much as 49,82 and 50,90.

Based on this data so calculated statistical tests independent samples test and obtained sign 0,695 because the value of sign  $> \alpha$  (0,695  $>$  0,05) atau  $p > 0,05$  it means there is no difference between the average knowledge students on group talk without video and with video. Knowledge students aftercounseling:

### 3.1 Uses the Talk without aVideo

Counseling with the methods talk without a video is given to 61 respondents by the number of about given as many as 15 grains about pertaining to waste management. Before counseling the students the highest only last but after counseling value carried out increased to 100 .Although in this group there are only 2 people received a value of 100 and the others there are also still get inferior value that is 40 3 students. Based on the calculation on obtained the average score knowledge before information ( pretest the 49,82 but after held counseling the average score knowledge students increased to 71,50 with the highest scores is 100 and prior to counseling students no one received a value of 100.

From the data was made test statistic that is indicative of the the correlation between knowledge before and after talk is as much as 0,423 with the economic situation of significance 0,001 that means that the value  $\alpha = 0,05 \geq \text{sig}$  or  $p > 0,05$  while value t count is -10,253 and t table is 2,000 which means t count & it; t table. Thus  $H_0$  were rejected and  $H_a$  accepted ,it means there is a difference in the average knowledge of students before and after conducted extension that uses the talk without a video.

### 3.2 In a Speech Accompanied theVideo

In the extension the number of respondents is 61 students given special treatment that is talk with video (audio visually). This can be seen from the high number of students capable of they received a score 100, as much as 12 people and the lowest value is 60 so that can be concluded that the average knowledge students on group talk with video increased from student average score 50,90 be 80,72 and had no students who were eligible inferior value as before he did counseling with video .

Results showing that the average score before information ( pretest the only 50,90 but after held counseling the average score knowledge students increased to 89.72 .From the data was made test statistic that is indicative of the the correlation between knowledge before and after talk is as much as 0,324 with the economic situation of significance 0,011 which means the value of ( $p < 0,05$ ) and value t count is -20,646 and t table is 2,003 which means t count  $<$  t table. Thus  $H_0$  were rejected and  $H_a$  accepted , so it can be concluded that there is a difference in the average knowledge of students before and after conducted extension that uses the talk by a video .

**3.3 Influence Counseling to Knowledge Students with the Methods Talk Without a Video and by a Video**

Based on the research done in sdn rw 017 samarinda ulu about the influence of extension that uses the talk without a video and by a video obtained the result as the following. In the talks on video a lot of students who received a value of 100 while in group talk without the use of video only 2 men to get value 100.

**Table 1. Data Comparison the Average Score Knowledge of Students before and after Counseling**

No.	Variabel	Technique without video	Technique talk with video
1.	Average value before counseling	49,82	50,90
2.	Average value after counseling	71,50	89,72

The average score knowledge students given counseling with the methods talk without a video that is 71,50 while student average score given counseling with the methods talk accompanied a video is 89.72. Based on the data on the results of statistical tests independent samples test obtained sign 0,000 because the value of sign  $\text{Sign} < \square (0,000 < 0,05)$  that mean  $H_a$  accepted. Conclusion  $H_a$  received with the result that average extension that uses the talk without a video  $\neq$  extension that uses the talk accompanied a video. With there is, influence method counseling use talk accompanied a video and without a video as by the counseling is already influencing the average score knowledge students.

Counseling with the methods talk is the simplest method and indeed most often ' used to encourage awareness and interest target counseling. In this method counselors more in the role to expound and given the lectures given. In addition one of the factors that need attention is a technique communication given by extension officer. Perceptible to counseling is an activity communication. Process that had happened to them that disuluh since know, understand, meminati, and then moving into real life is a process communication. So for the achievement of the results extension that good, is needed good communication.

The tools worn in health education through extension activities very helpful in meragakan something in the process of education teaching. Whosoever the tools education health is:

- a. Cause interest targeted education
- b. Reach the goal of more
- c. Assist in overcoming obstacles in understanding
- d. Stimulate target education to continue messages health
- e. Ease convey material education or information by educator or to the offender health
- f. Ease the information by targeted educator
- g. Push to the wishes of to know, later was in studying and just give a much more sophisticated understanding
- h. Help enforce sense obtained

**4. CONCLUSION**

Remarks a the average score students class iii knowledge about waste management between the talk without video and with video prior to counseling is 49,82 and 50,90. The average value of the knowledge of students were given counseling after using methods without video lectures is 71,50 while the average value of the knowledge of students having given counseling uses the method is talk with 89.72. Is influence the use of a method of talk accompanied a video dibandingkan counseling uses the talk without video increase of knowledge students the average value of knowledge students namely 89.72 while the uses the talk without a video value usually only 71,50.

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