

EMPOWERING NATURAL RESOURCES AND HUMAN RESOURCES IN THE SEBUMI PROJECT TO PREVENT COVID-19

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Abstract

Although Covid-19 has been reported as zero, however, people are always vigilant in dealing with Covid-19. Empower of community is needed to prevent and adapt to Covid-19. These natural and community service activities aim to increase prevention efforts of COVID-19 with clean water source projects. The methods used are socialization, or refreshing content related to COVID-19 to cadres and as well as the residents, then advocacy is carried out on RT, RW, and village heads regarding the COVID-19 prevention program, The output of this program is the availability of clean water source In Baduy as a facility for hand washing, cooking, etc., The results of the study reported that there was an increase in enthusiasm for carrying out a clean healthy lifestyle after socialization to prevent covid-19 as much as 81.8% (good) and the rest were very good, as well as the establishment of drilled wells as a source of clean water. Qualitatively, the results of this humanitarian project created an atmosphere of sharing among residents with clean water distributed to residents. This is very helpful for residents as an effort to prevent the spread of Covid-19 as a whole. In addition, involving people who influence the community such as religious leaders and influential citizens is also very helpful in supporting each other and reminding each other to always implement health prevention of COVID-19

Keywords: Natural Resources & Community Empowerment, Prevent Covid-19, Clean Water Source Project

INTRODUCTION

Based on the recommendation of previous findings, it is necessary to involve community leaders and community activists starting from the RT level in maximizing natural resources to prevent COVID-19 (Desmawati and Bachtiar 2021). The procurement of clean water sources is an important thing that must be done at this time because there is no borehole which is one of the sources of clean water that can facilitate the community to live healthy and clean lives such as washing hands in preventing COVID-19. This is a process towards empowerment and efforts to improve capabilities attitudes and independence for all elements on earth in preventing Covid-19. Utilization of natural resources to the needs of residents, according to their role models and culture (local wisdom) (Desmawati et al. 2021).

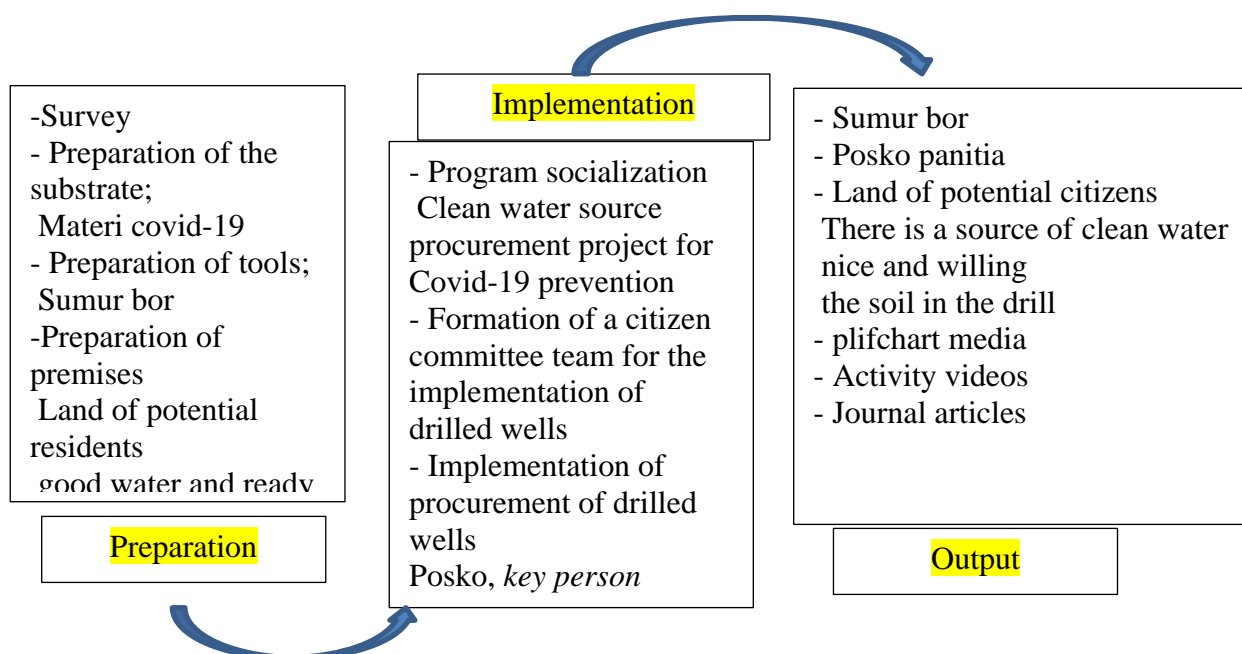
Refer to the theory for prevention through; 1) health promotion, 2) health protection targeting vulnerable populations with, provision of clean healthy living facilities, special education, extra vitamins, etc., 3) *early diagnosis & prompt treatment*, determination of early diagnosis and quick action taken such as tracing cases so as not to spread to other residents (Friedman 2010).

Based on the results of the situation analysis and discussions with target partners, several problems in Baduy Banten were formulated, including:

1. Start ignoring with information, knowledge, attitudes, and understanding of the general public related to COVID-19 prevention
2. Low life skills (*life skills*) such as clean healthy living in the context of preventing Covid-19
3. Not optimal infrastructure, awareness, and motivation of the community in behaving, and behaving in prevent COVID-19
4. Unavailability of clean water sources in the context of preventing Covid-19

Various prevention programs range from complying with health protocols, especially hand washing, and clean healthy living behavior (Sholihatunnisa and Desmawati 2022; Dewi and Desmawati 2022). These programs are useful or aim to prepare the community by cultivating hand washing, cooking from clean water sources, and clean healthy living behaviors to prevent COVID-19. Methods in community service include social activities for each other and mutual assistance and support by procuring clean water sources carried out in detail as in the following steps;

- a. The service team surveyed the target community directly to find out community demographic data, RT devices, RWs, and participation in COVID-19 prevention project program activities with clean water provision starting in March 2023
- b. Explain the content of the program to procure clean water sources in the context of preventing COVID-19. This will be done in May 2022
- c. After that, the *participatory learning and action (PAL)* method was used as an effort to empower the community starting with a joint discussion, health cadres, and the community as part of a COVID-19 care community group who were ready to help with energy, morale and even material in the procurement of drilled wells
- d. Fundraising was led by health cadres and residents who were interested in assisting in the implementation of the procurement of borewells
- e. Socialization of the procurement of drilled wells directly to the community; Invite all residents to participate in helping through energy donations or moral assistance, support each other, and share clean water



Scheme 1. The flow of methods for implementing community service activities for the procurement of clean water sources in the context of preventing COVID-19

The characteristics of the community who participated in this implementation were 5 health cadres, 5 RT-RW administrators, and 12 people.

RESULTS AND DISCUSSION

The results of this community service are explained in the following tables;

Starting with surveying the target community directly to find out data on health cadres, RT devices, RWs, villages, and participation in humanitarian project program activities starting in March 2023, the characteristics of residents who are willing to participate in the project are obtained as shown in the following table;

Table 1. Frequency distribution of participants in the implementation of COVID-19 prevention facilitation projects by procuring clean water sources; drilled wells

Characteristics	Total (n)	Percentage (%)
RT-RW-Lurah Device	5	22.73
Health cadres Health	5	22.73
General public	12	54.54
Sum	22	100

The next method is to coordinate with Jaro (lurah), then RW and RT and health cadres, together with the community are willing to make the land around their homes with good groundwater potential to be drilled as a facility for COVID-19 prevention. The borehole is used for residents to take water to always familiarize health protocols of washing hands, washing and cooking from clean water sources, not river water, and so on.



Figure 1. Making clean water source drill water, Baduy-Banten

This coordination results in a place with good groundwater potential and residents whose land will be made a borewell are willing to become a borewell area.

Table 2. The frequency distribution is seen from the enthusiasm of residents for the prevention of COVID-19 by providing clean water sources after participating in the enlightenment (refreshing) of materials related to COVID-19 prevention

Characteristics	Before		After	
	Sum	Percent age (%)	Sum	Percentage (%)
Excellent	0	0	4	18.2
Good	17	85	18	81.8
Enough	5	15	0	0
Less	0	0	0	0
Very Lacking	0	0	0	0
Sum	22	100	22	100

Indonesian people's knowledge about COVID-19 is good (Desmawati and Bachtiar 2021). Prevention efforts need to be facilitated for the real behavior of residents in preventing COVID-19 by procuring the necessary facilities (Supendi and Desmawati 2022), for Baduy residents because most of their source of life comes from rivers, it is necessary to make borewells.

This is done by encouraging hand washing using clean water and soap as one of the health protocols. In addition, non-technical programs that have extraordinary power to make citizens remain committed to preventing COVID-19 involve religious leaders, community leaders, respected people in the community, and policymakers. As a result, people obey and comply with health protocols when reviewing how to wash hands properly, they can still do it correctly because they are always reminded by influential people such as cadres and Jaro devices.

Table 3. The frequency distribution of the COVID-19 prevention readiness program is seen from the main needs of Baduy residents

Program	Answer					
	The Sum	%	No Sum	%	Total Sum	%
COVID-19 prevention facilities						
Need a source of hand-washing water	22	100	0	0	22	100
Involves toga, toma; influential org						
Reminder residents are always aware of COVID-19	20	90.90	0	0	02	9.10
Willing soil to drill						
Willing land to be a source of clean water if selected	22	100	0	0	20	100

From Table 3, what the community needs is the fulfillment of the main needs, namely hand washing facilities, and washing cooking as a means of clean healthy living in preventing COVID-19. In addition, mutual support among residents is important (Sholihatunnisa and Desmawati 2022).

Next In agreement with Mr. Jaro and the residents, a search for predictions of clean water sources was carried out in the lands around residents' homes. After finding good soil, residents were asked to be allowed to be used as a source center for boreholes to help residents wash their hands, and drinking sources so that the nutritional needs of water minerals needed by the body were met (Sulistyawati and Desmawati 2022).



Figure 2. Re-enlightenment related to nutrients that are important for the body in increasing immunity for the prevention of Covid-19

Furthermore, residents' confidence in COVID-19 will affect the acceptance of residents to obey and comply with health protocols such as washing hands, and always using clean water when cooking, washing, and others (Dewi and Desmawati 2022).

Likewise, there are facilities for hand washing with the procurement of this borewell, it will be more helpful if a respected person also announces to always use this borewell, no longer to the river. So the culture of preventing COVID-19 by always washing hands does not feel heavy anymore carried out by residents (Az-Zahra and Desmawati 2022).



Figure 3. Discussions with health cadres in efforts to prevent Covid-19

CONCLUSION

All resources on this earth, whether they are old or human resources, must be empowered to help the community in preventing COVID-19, because it does not indicate the possibility that the disease will come again. This is because COVID-19 is a disease related to clean and healthy living habits such as always washing hands with clean water, cooking nutritious and clean food, and so on. Procurement of health protocol facilities by providing hand washing and procurement of boreholes to comply with the health protocol needs to be made. Involving community leaders and officials in the community is necessary so that people obey and change *their lifestyle* into a healthy lifestyle. Suggestion; programs for procurement of vital sources of life and also health protocols are important in preventing COVID-19.

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