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SERVICE TO THE COMMUNITY OF THE COVID 19 DISASTER (PKM-BC19) IN LIMBUKAN KELURAHAN, SELATAN PAYAKUMBUH DISTRICT, PAYAKUMBUH CITY

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ABSTRACT

Community Service for the Covid-19 Disaster (PKM-BC19) is the theme Community Service Program (KKN) thematic Faculty of Agricultural Technology, Andalas University.Service activities are more focused on Covid-19 volunteers who are tasked with educating the public. Students accompanied by lecturers carry out activities individually at their respective residences and occasionally come downdirectly to residents while still adhering to health protocols.The location for the implementation of student KKN is in Limbukan Village, South Payakumbuh District, Payakumbuh City. The work program carried out during KKN includes main activities, supporting activities and multimedia activities. The main activities are activities related to Covid-19. Supporting activities are activities related to economic, environmental, social improvement and public education.Additional activities or multimedia activities that students do are making educational videos which are then uploaded to social media such as Instagram, WhatsApp and Youtube.

Keywords: Covid-19, PKM-BC, Work Program, Limbukan Village

INTRODUCTION

1. Area General Condition

Limbukan Village is one of the six villages in South Payakumbuh District, Payakumbuh City. Geographically, Limbukan Village is located at an altitude of 514 meters from sea level with an air temperature of 27-39 degrees Celsius in the Payakumbuh District areaSouth, Payakumbuh City. The administrative area of Limbukan Village is approximately 437 hectares with an area dominated by agricultural land, so most of the residents of Limbukan Village work as farmers. The number of residents

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living in the Limbukan sub-district until 2019 based on the population mutation data in the Limbukan sub-district was recorded as 2,942 people.



Fig. 1 Map of the Limbukan Village area.
Source: google maps place Limbukan

2. Regional Potential Condition

Perumnas Kubang Gajah is one of the areas in Limbukan Village where the community is very aware of the importance of the meaning of health so that the community always strives to improve, maintain and maintain health both personal, family and environmental health for the realization of healthy and intelligent human resources.For example, the Kubang Gajah Perumnas Covid-19 Command Post in Limbukan Village, which was established at the end of March, to be exact, on March 29, 2020 or the Covid-19 emergency response period was implemented in Payakumbuh City. This post is the first post that was established in Payakumbuh City and was established independently with the residents on the basis of needs, awareness and mutual agreement with the residents. The post's facilities and infrastructure come from donations from residents and community leaders. This post becomes a role model for adaptation to the new normal order in West Sumatra.

3. The problem of Covid-19 and Impact on Nagari/Territory

The impact of the Covid-19 outbreak is not only detrimental to the health side but also affects the economy of the community such as the business world. PLarge-Scale Social Restrictions (PSBB) have a huge impact on society, especially in the economic sector. Many people have lost their income, such as employees who have been laid off, motorcycle taxi drivers who cannot operate, traders who have no buyers and others. Indirectly this causes an increase in the unemployment rate. Therefore, a productive activity that can be carried out by the community during this pandemic is needed.

4. Work program

The corona virus pandemic does not prevent Andalas University students from doing community service. If so far the Real Work Lecture (KKN) has required students to mingle with the residents, but during the Covid-19 pandemic, the implementation of KKN was more focused on being deployed as Covid-19 volunteers who were tasked with educating the student community. and occasionally down directly to residents while still adhering to health protocols.

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https://aijsed.lppm.unand.ac.id/

Based on the problems that occurred in the community due to the Covid-19 pandemic, several work programs were carried out in the context of Community Service - Covid-19 Disaster (PKM-BC19) by the Faculty of Agricultural Technology. The work program carried out includes main activities, supporting activities and multimedia activities. The main activities are activities related to Covid-19. These activities include the distribution of masks, distribution of hand sanitizers, distribution of fice shields, spraying of disinfectants, posting of posters, affixing of temperature measurement cards, socialization about Covid-19 and volunteering at the Covid-19 post.

Supporting activities are activities related to economic, environmental, social improvement and public education. Supporting activities that will be carried out are in the form of processing organic waste into compost and making briquettes from corncob waste and sawdust, then socializing it to the community. Meanwhile, multimedia activities are additional activities in the form of making training videos or tutorials that are useful for the community. The training video that will be made is a video of the process of making candied papaya for a household scale business and a video of the process of making handicrafts from corn husks. These videos will later be uploaded to social media.

5. PKM-BC19 Outcome Forms

Based on the activity plan that has been prepared, there are several forms of output from each PKM-BC19 activity. The main activity has an output target of being a volunteer at the covid-19 post, making hand sanitizer from natural ingredients which will later be distributed to the community. In addition, there were also socialization activities and the creation of educational posters regarding Covid-19, especially in the new normal era and body temperature checking cards that would be posted in people's homes and public places.

Support activities With what is obtained during lectures, it is hoped that it will be useful for the community. Meanwhile, multimedia activities have an output in the form of video tutorials that can be viewed through social media, especially young people so that they can remain productive in their spare time during this pandemic.

PROBLEMS AND ACHIEVEMENT INDICATORS

Based on the analysis of the problems found in the location where the KKN is located, theOne of the main student KKN programs is to become a volunteer at the Covid-19 post by carrying out activities such as distributing masks to the public, making and pasting posters about COVID-19, especially the rules that must be applied in the new normal era, holding socialization about Covid-19 and the importance of maintaining health for children, sticking body temperature measurement cards at the homes of Kubang Gajah Perumnas residents, making hand sanitizers from natural ingredients and distributing them to the community.

The impact of the Covid-19 outbreak is not only detrimental to the health side but also affects the economy of the community such as the business world. Therefore, students provide a solution to make a training program for making candied papaya and making handicrafts from corn waste so that this program

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https://aijsed.lppm.unand.ac.id/

is expected to encourage people to be more productive and can make it a household-scale business opportunity to improve the family economy.

In addition to the Covid-19 problem, another problem that students encountered at the KKN location was that the community's knowledge about the process of making compost at the Kubang Gajah TPST was still minimal, so students provided solutions to make videos of the composting process and then disseminated it to the public andIn order to apply the knowledge that students get during the lecture period, therefore students create a program of supporting activitiesin the form of making alternative energy briquettes from corn cobs and sawdust.

The indicator of achievement of the implementation of this KKN program is that students cancarry out activities in an effort to help the community face the Covid-19 pandemic and be able to share the knowledge that students get while sitting on the lecture bench.

METHODS OF IMPLEMENTATION AND REALIZATION

Main Activities

The main activities are activities that are directly related to Covid-19, including:

1. Volunteer at the Covid-19 Command Post

This volunteer activity was carried out at the Kubang Gajah Perumnas Covid-19 Command Post. The purpose of this activity is to realize community service in an effort to prevent the transmission of Covid-19 while still implementing health protocols. The volunteer activities that students carry out at the Covid-19 Command Post are as follows:

Guarding the post and directing residents who enter housing to wash their hands

Volunteering activities at the Covid-19 Command Post started from 19 May 2020 to 19 June 2020 with a total number of student effective working hours (JKEM) of 127 hours. While guarding the post, students socialized how to wash hands properly and correctly to visitors who entered the Kubang Gajah Perumnas. The purpose of this activity is to make people understand the importance of washing their hands properly and what the impact is if they don't wash their hands properly.





Fig. 2 Keeping the Covid-19 Command Post

Checkpoint

Checkpointis the point to ensure that the Large-Scale Social Restrictions (PSBB) take place in accordance with applicable regulations, including for motorcyclists, cars, and public transportation to

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https://aijsed.lppm.unand.ac.id/

drive according to regulations during the PSBB policy. Every visitor who enters the Kubang Gajah Perumnas complex must wear a mask and have his body temperature checked. The purpose of this check is to prevent the spread of the corona virus.




Fig. 3 Checkpoint

Disinfectant spraying

This disinfectant spraying activity was carried out to anticipate the spread of Covid-19 in the homes of Kubang Gajah Perumnas residents and locations frequently passed by the general public.




Fig. 4 Spraying disinfectant

Covid-19 Post Administration Section

The Kubang Gajah Perumnas Covid-19 post is equipped with a guest book, a handbook for making disinfectants, a Covid-19 response village pocket book, picket schedules and absences, a list of People Under Monitoring (ODP), Patients Under Supervision (PDP) and arrivals, receipt books package of goods from delivery services, a list of donations from residents and other parties, a book of entry and exit for residents, an exit permit form for students and students.




Fig. 5 Covid-19 Command Post Administration Section

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https://aijsed.lppm.unand.ac.id/

Insider Monitoring (ODP)

The term ODP is used to classify individuals based on several things such as symptoms of fever or respiratory problems or based on a history of travel to areas that have been infected with the corona virus or live in these areas. Then, also a history of contact with people who are infected or suspected of being infected with the corona virus.

ODP monitoring is carried out offline and online. Offline method by visiting the house of the person under surveillance (ODP) directly, online by monitoring using the life 360 application.




Fig. 6 Monitoring People Under Supervision (ODP)

Checking the package of goods from the delivery service

In an effort to prevent the transmission of the covid-19 virus, all packages that come or enter the Kubang Gajah Perumnas must be checked and sprayed with disinfectant before they reach the hands of the recipient of the package.




Fig. 7 Checking the package of goods from the delivery service

Hydroponic plant care, Budik Damber aquaponics (Fish Cultivation in Buckets), food security gardens and fish ponds

The Kubang Gajah Perumnas Covid-19 post is equipped with hydroponic plants, Budik Damber aquaponics (Fish Cultivation in Buckets), a food security garden and a fish pond made by volunteers from the Covid-19 command post and some residents of the Kubang Gajah Perumnas.

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https://aijsed.lppm.unand.ac.id/



Fig. 8 Hydroponic plant care, Budik Damber aquaponics (Fish Cultivation in Buckets), food security gardens and fish ponds

Survey of Covid-19 posts in Payakumbuh City

This activity was carried out in order to complete the task of the Payakumbuh Police Chief to see or conduct a survey to Covid-19 posts in Payakumbuh City to be used as a comparison with the Covid-19 Command Post at Kubang Gajah Perumnas for the sake of improving the post to become a strong village for the archipelago. The results of this survey were made in the form of a report intended for the Payakumbuh Police Chief and documents at the Kubang Gajah Perumnas Covid-19 post.



Fig. 9 Survey of Covid-19 posts in Payakumbuh City

Making a physical shield

Face shieldbecome an important equipment in the transition period to the new normal order or the new normal. The use of a face shield is important to minimize the risk of transmission of the corona virus or Covid-19 when doing activities outside the home. The number of Fice Shields made is 6 pieces and is specifically intended for volunteers who guard the Covid-19 post of Perumnas Kubang Gajah.

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https://aijsed.lppm.unand.ac.id/



Fig. 10 Making a physical shield

2. Distributing free masks to society

In accordance with the recommendations of the World Health Organization (WHO) and the Government, everyone is required to wear a mask when doing activities outside the home to reduce the spread of the corona virus. This mask distribution activity was carried out at the Kubang Gajah Perumnas according to the direction of the RW head. The implementation target is for motorbike or car drivers who do not wear masks who pass through the Kubang Gajah Covid-19 Command Post. The number of masks distributed is 100 masks.



Fig. 11 Distribution of free masks to the public

3. Making and pasting posters regarding the rules that must be applied in the new normal era

The creation and posting of posters regarding Covid-19, especially regarding the rules for the new order or new normal in people's homes and public places, aims to inform residents about how to prevent Covid-19 and what rules must be applied in the new normal era to residents through picture messages and to Remind people to stay healthy. In addition, education is also carried out online by uploading posters to social media.

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Fig. 12 Making and pasting posters regarding the rules that must be applied in the new normal era

4. Socialization about Covid-19 and education on the importance of maintaining health to children

The COVID-19 pandemic has caused fear for everyone, including children. Even though the group that is vulnerable to Covid-19 is the Elderly, it is more difficult for children to apply health protocols to protect themselves from Covid-19 and remain at risk of being affected by Covid-19.

This activity aims to provide information about Covid-19 and how to stay healthy during a pandemic to children. This socialization method is carried out by gathering children around the house and then socializing them about Covid-19 and teaching them how to wash their hands properly and the importance of maintaining health. In addition, socialization was also carried out at the Bustanul Ulum Orphanage in Si Tujuh, Banda Dalam, District of Si Tujuh Limo Nagari, Regency of Lima Puluh Kota. The arrival of students to the orphanage was warmly welcomed by the caretaker of the orphanage and the children in the orphanage.



Fig. 13 Socialization about Covid-19 and education on the importance of maintaining health to children

5. Attaching the body temperature measurement card at the Kubang Gajah resident's house

This activity is an activity to help puskesmas officers in the context of preventing Covid-19 by attaching a body temperature measurement card at the house of a resident of Perumnas Kubang Gajah. Before being pasted on residents' homes, students recorded the names of the Family Cards (KK) found at the Kubang Gajah Perumnas. The number of KK in Perumnas Kubang Gajah is 404 KK (Data from Limbukan village).

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https://aijsed.lppm.unand.ac.id/



Fig. 14 Attaching a body temperature measurement card at the house of a resident of Kubang Gajah Perumnas

6. Making hand sanitizer from natural ingredients

During this pandemic, the need to use hand sanitizer is increasing. However, the presence of hand sanitizers on the market is increasingly scarce, so students provide solutions by making videos of the process of making hand sanitizers from easy-to-find natural ingredients such as betel leaf and lime to social media and then distributing the hand sanitizer to the public. The number of hand sanitizers made is 30 bottles.



Fig. 15 Making hand sanitizer from natural ingredients

7. Distributing hand sanitizer to the community

The method of distributing hand sanitizer is by visiting people's homes and public places. During the distribution of hand sanitizers, students explained how to make the hand sanitizers to the community.



Fig. 16 Hand sanitizer distribution to the community

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https://aijsed.lppm.unand.ac.id/

Support Activities:

Supporting Activities are activities related to improving the economy, environment, social, culture, and public education in accordance with the knowledge gained during the lectures, including the following:

1. Making and socializing about processing organic waste into compost

Perumnas Kubang Gajah has been equipped with an Integrated Waste Processing Site (TPST) but public knowledge about the process of making compost at the Kubang Gajah TPST is still minimal, so students provide solutions to make videos of the composting process and then socialize it to the public. The purpose of implementing this activity is to assist Kubang Gajah TPST officers in introducing the potential contained in the Kubang Gajah Perumnas to the wider community.




Fig. 17 Processing organic waste into compost

2. Making alternative energy briquettes from corncobs and sawdust

In order to apply the knowledge that students get during the lecture period, therefore students create a program of supporting activitiesin the form of making alternative energy briquettes from corn cobs and sawdust. Briquette is one way to process biomass into fuel. The biomass that can be used for making briquettes is sawdust and corn waste. These briquettes can be used as an alternative energy source.




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Fig. 18 Making alternative energy briquettes from corncobs and sawdust

Additional Activities (Multimedia Activities)

Multimedia activities is an activity of making short videos (3-10 minutes) with material in the form of training or guides to make something that can become an economic business for the community. The video is uploaded to social media, the activities include:

1. Making a video on how to make candied papaya

The impact of the Corona virus outbreak (Covid-19) is not only detrimental to the health side. The virus that started in the city of Wuhan, China, has even affected the economies of countries around the world, including Indonesia. The global economy is certain to slow down, following a decision from the WHO which declared the Corona outbreak a pandemic that affected the business world. The program for making video tutorials for making candied papaya is expected to encourage the community to be more productive and can become a household-scale business opportunity to improve the family economy.



Fig. 19 Making candied papaya

2. Making a video on how to make handicrafts, namely flowers from corn husks

Economic empowerment of communities affected by COVID-19 can be done by making handicrafts. For example, the KKN program for manufacturing studentsThis handicraft from corn husk waste aims to take advantage of time at home with useful activities and produce a work from agricultural waste and can also be used as a business opportunity. The tutorial method is uploaded on social media such as WhatsApp, Instagram and YouTube.

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https://aijsed.lppm.unand.ac.id/



Fig. 20 Making handicrafts from corn husk waste

CLOSING

Conclusion

Student Real Work Lecture (KKN) activities during the Covid-19 pandemic were more focused on being deployed as Covid-19 volunteers who were tasked with educating the public. The method of implementing KKN is that students are required to carry out activities individually in their respective residences and occasionally come downdirectly to residents while still adhering to health protocols.

Community Service for the Covid-19 Disaster (PKM-BC19) is the thematic KKN theme of the Faculty of Agricultural Technology, Andalas University.This thematic KKN activity received positive enthusiasm from the community because it was carried out in the student's own village or residence because the community was happy with students who devoted themselves to advancing their own nagari. Various activities were also carried out as an effort to prevent the spread of Covid-19 which was expected to be a solution in the midst of a pandemic. In addition, this activity also aims to share the knowledge gained in lectures with the community.

Suggestion

Suggestions for the implementation of the Thematic KKN program in the future if in the future there is still Covid-19, it is hoped that KKN students will run the KKN program in accordance with the health protocol from the Ministry of Health and the same is true for the community considering the dangers of transmitting this virus. In addition, in carrying out activities, students are expected to be able to communicate well so that what is conveyed to the community can be conveyed clearly and there are also more creative programs.

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