

# UPR thematic community service activities 2021 in Mawar Mekar village, Pulau Petak district, Kapuas Regency in annulling the potential spread of Covid 19 at the village level

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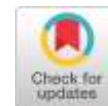
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## ABSTRACT

The implementation of KKN is one of the obligations of students to fulfill the tridharma of higher education in the community, but the condition of Level 4 regional restrictions and internet conditions that have not been established in the service area forced us to carry out Hybrid KKN with the main assumption of stopping the spread of covid in the Central Kalimantan region, building cooperation between government, between universities and at the same time make KKN produce measurable outputs and have an impact on society. Various policies that emerged during the covid pandemic forced students to be creative and innovative in community service in Mawar Mekar village. This article attempts to prove that a hybrid community service process by minimizing risk is possible in rural areas with a minimum internet signal.



## KEYWORDS

Field Study Services;  
Community Service;  
Covid 19 Pandemic;  
Politics of Education



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## 1. Introduction

The changes in the education system due to the COVID-19 pandemic [1], [2] have had a positive impact and a struggle for implementing the Palangka Raya University Thematic Real Work Lecture (KKNT UPR) 2021. Until August 30, 2021, quite a number of policies have been implemented by the Central Kalimantan Provincial Government, Regency Governments, and the UPR Research and Community Service Institute (LPPM). All policies are generally aimed at fulfilling the implementation of the tridharma of education in dealing with and fulfilling their responsibilities as part of the education ecosystem [3]–[5]. The University of Palangka Raya KKNT was implemented by 2,491 student participants who were divided into 165 groups serving in 4 districts in Central Kalimantan, namely Gunung Mas Regency, Katingan Regency, Kapuas Regency, and Pulang Pisau Regency. Initially, the KKNT will be carried out offline, but the situation and the increase of Covid cases condition in Central Kalimantan have forced policies to continue to be adjusted for the implementation of the UPR KKNT 2021 based on the government regulations. The KKNT UPR 2021 officially opened on August 5, 2021, and was planned to end on September 5, 2021. The implementation of the KKNT UPR will be carried out for 31 working days with the Hybrid KKN mechanism [6]. The KKNT UPR 2021 Committee carried out this mechanism after considering the conditions of the spread of COVID-19 in Central Kalimantan. Then on August 4, 2021, there was an Instruction from the Governor of Central Kalimantan regarding

PPKM Level 4 until August 23, 2021. This policy then forces the participants and supervisors of the KKN UPR 2021 to be proactive in complying with government regulations and also support policies to annul the spread of Covid 19 in the community [7]–[10].

UPR, as an educational institution, a gateway for knowledge and role models for the community, carries out Online KKN until an undetermined time. Until August 19, 2021, only two districts allow students to carry out offline KKN with a stunting alleviation work program in the district. The districts of Gunung Mas and Katingan are considering the condition of the COVID-19 status in the two districts. The KKN implementation process is carried out with strict Health Protocols. What about the implementation of the UPR KKNT in Kapuas Regency and Pulang Pisau Regency in 2021? On August 16, 2021, through the instructions of the Regent of Kapuas Number 360/350/SATGAS-COVID/KPS.2021, it was stated that PPKM Level 4 was extended until August 31, 2021. This policy then triggered students, Field Supervisors, and UPR. The 2021 KKNT Committee set a policy that all products produced through online KKN will be sent after the PPKM ends to the villages where KKN is located in the two districts. This policy also affects students participating in the Period II KKNT 2021 who carry out KKNT activities in Mawar Mekar Village, District. Petak Island, Kapuas Regency, one of which carries out the work program for the Prevention of the Spread of Covid-19. Therefore, this article is one of the outcomes of the 2021 KKNT UPR implementation from the Mawar Mekar Village Group as a form of service to the country in preventing the potential spread of Covid 19 in Central Kalimantan. This article tries to review the activities carried out at the Base in Palangka Raya City program and reviews the results for the people of Mawar Mekar village.

## 2. Method

The method of this empowerment implementation was initially a hybrid but the situation and conditions were not adequate in the village where the KKNT 2021 was located, so the process of making the outputs of the KKN was carried out entirely at the Command Post in Palangka Raya City with the coordination of the Mawar Mekar Village Apparatus via online and the LPPM of the University of Palangka Raya. . The stages of this Community Service Activity are as follows: (1) On August 5, 2021, the Field Advisory Lecturer with representatives participants of the UPR KKNT 2021 held a meeting and licensing with the Village Head and the Mawar Mekar Village Apparatus, and explained the format of the UPR KKNT 2021, and will be present in the village after PPKM Level 4 is over. And the first two weeks of the KKNT implementation was carried out online, but the condition of the internet infrastructure in Mawar Mekar Village was still not well established, so the basic data collection process was carried out offline by using strict health protocols and was represented by 4 students together with the Field Supervisor (DPL), (2) On August 6, 2021 to August 30, 2021, the KKNT Students of UPR 2021 in Mawar Mekar Village, set a joint command post whose activities are carried out alternately per day with a total of 4-7 students. The activities that have been successfully followed and implemented are: a) Making a Profile of Mawar Mekar Village, b) Completion of the Draft Devotion Journal which was sent to the Field Supervisor (DPL) to be repaired and published immediately, c) Online Video Making of the 2021 UPR KKNT Implementation, d) Healthy Gymnastics Video Making, e) Disinfectant Manufacturing, f) Handsanitizer Manufacturing, g) Planting Chili Seeds for the use of the yard, h) Making the Jingle of Mawar Mekar Village KKNT UPR 2021, i) Participated in the Palangka Raya Solidarity Command Post Webinar for Covid 19 (SOLID) with the main speaker Drh. Moh. Indro Cahyono On August 12, 2021 at 19.00-23.00, j) Participate in the UPR KKNT Group Webinar in Basarang Village on August 25, 2021. Participated in the 2021 Regular Public Lecture for KKNT Participants with the theme "The Threat of Increasing Covid 19 Cases and the Danger of Forest and Land Fires in the Midst of a Pandemic" With the main resource persons from the Deputy Chief of the Central Kalimantan Provincial Police, the Head of the Central Kalimantan Provincial Forestry Service, the Head of the Central Kalimantan Health Service and the Central Kalimantan Province BPBPK Head on August 30, 2021; (3) Submission of Work Program Results in the form of printed and digital village profiles, exercise videos, hand sanitizers, disinfectants, installation of COVID-19 alert banners, forest fires and distribution of masks will be carried

out after an official letter from the Kapuas Regency is issued for the acceptance of the 2021 UPR KKNT Participants, (4) Evaluation of the 2021 UPR KKNT implementation activities will be carried out after all programs have been implemented.

The number of students involved in the Mawar Mekar Village KKNT group is 15 people with the division of tasks that have been determined at the beginning of the implementation, and the partners involved in the 2021 UPR Online KKNT process include the Mawar Mekar Village Apparatus, Village Health Services and the mothers of PKK Mawar Mekar Village.

### 3. Results and Discussion

The theme of the 2021 KKNT UPR is "Enhancing the Role of Local Governments and Universities in Rural Community Development and Empowerment." The work programs carried out by the Mawar Mekar Village Group based on the sub-themes are as [Table 1](#).

**Table 1.** The Implementation of Mawar Mekar Group Work Program

Sub Theme	Work Program	Output
Development of Household Food Security through the Yard	Chilli seedling in polybag	Instant plant chilli seeds to be distributed to villages, along with a video of the seeding process
Prevention of Forest and Land Fires (Karhutla)	Making a Map of Forest Fire Hotspots Around Mawar Mekar Village	Print Out Map that will be submitted to the Mawar Mekar Village Apparatus and Banner of Appeal to Protect Land and Forests from Fire will be carried out after PPKM Level 4 ends.
Prevention of the Spread of Covid 19	Training and assistance in the manufacture of disinfectants, hand sanitizers which made from local materials	Videos for making hand sanitizers, disinfectants and healthy exercise videos for the Mawar Mekar village community Installation of Prokes Banners and the Appeal for Prevention of the Spread of Covid 19 will be carried out after PPKM Level 4 Kapuas Regency is over
Village Database Creation based on Electronic	Making village profiles and village potential	Printed and digital village profiles that will be submitted to the Mawar Mekar Village Apparatus
Additional Output		Making the KKNT Jingle of Mawar Mekar Village 2021

#### 3.1. Fulfillment of Activity 1; Development of Household Food Security Through Yard Land: Planting Cayenne Pepper (*Capsicum frutescens*)

Implementation of the UPR Period II KKN-T activities in 2021 in the KKN-T group in Mawar Mekar Village, Pulau Petak District, Kapuas Regency. One of the food security activities carried out is the planting of cayenne pepper. The planting of cayenne pepper was carried out to fulfill the food security work program activities in the UPR KKN-T Group Period II Mawar Mekar Village. Cayenne pepper (*Capsicum frutescens*) is one of the most popular horticultural crops in society. The materials used in planting cayenne pepper (*Capsicum frutescens*) are rockwool, cayenne pepper (*Capsicum frutescens*) seeds, fertile soil, polybags, and water. While the tools used are trays, jars, knives, rulers, sticks, tarpaulins, arto, and hoes. The work steps taken in planting cayenne pepper plants are:

- Prepare materials and tools used in KKN-T activities.
- Cut the rockwool into several pieces in the form of a dice measuring 2.5 cm x 2.5 cm.
- Soak the cayenne pepper seeds in lukewarm water for about 3 hours.
- Separate the cayenne pepper seeds that sink and those that float in the marinade.
- Choose the sunken cayenne pepper to be ready for sowing in rockwool media.

- Put the seeds of cayenne pepper that have sunk after soaking as much as 1 seed into each rockwool that has been cut into several parts.
- Watering enough cayenne pepper until it feels moist that has been inserted into the rockwool seeds.
- Put the seedlings in a dark room so they can germinate quickly.
- Transplanting after the seedlings are 20 HSS (Days After Sowing) into polybags that already contain fertile soil.
- Document every planting activity.

The seeding activity will be carried out on August 14, 2021 to September 3, 2021 so that it is ready to be transplanted into polybags so that growth is more optimal and produces good fruit, Fig. 1. The usefulness of this food security work program is aimed at the people of Mawar Mekar Village. As the KKN-T participants we took the example of planting cayenne pepper in order to help one of the basic needs of the community, because chili plants can be planted in the yard area of the house so that it is easy to care for the people of Mawar Mekar Village.



**Fig. 1.** The process of seeding and preparation for planting chili

### **3.2. Fulfillment of Activities 2; Forest and Land Fire Prevention**

Forest and land fires often occur. Most are caused by negligence or community gaps in the context of large-scale land clearing caused by communities, companies and others that cause forest and land fires themselves. These forest and land fires not only have a negative impact on public health, but also have an impact on the economy, and of course forest and land fires will release carbon emissions into the air which causes climate change resulting in excessive smog. Therefore, currently students of the UPR KKN-T Mawar Mekar Village are carrying out one of the programs to prevent forest and land fires in Mawar Mekar Village, one of which is the effort to prevent forest and land fires (KARHUTLA), namely the appeal in writing (placing a banner in a place that is easily seen by the community in the Mawar Mekar village), Fig.2. The purpose of making and installing land and forest fire prevention banners by KKNT participants in Mawar Mekar village is to provide insight to the community so that they could understand that it is important to prevent forest fires in an effort to increase their awareness to reduce forest fires. So that the negative impact of forest and land fires does not occur. The installation of the Karhutla prevention banner carried out by the UPR KKNT participants was carried out for 1 day on September 2, 2021 in the area of RT 01 and RT 06 which was made as a barrier to Mawar Mekar Village.



**Fig. 2.** Installation of KARHUTLA banners in Mawar Mekar Village

### 3.3. Fulfillment of Activities 3; Prevention of the Spread of Covid 19

Currently, the cases of Covid-19 are still increasing every day. Even many special hospitals for patients affected by COVID-19 are full. Patients are fighting for rooms or places for isolation so they can undergo treatment as soon as possible. Many people ignore health protocols. Not a few people think that the Covid-19 virus is not real. However, the corona virus has taken many lives. Therefore, one way to urge the public to comply with the Health protocol is by placing an appeal banner regarding the Health protocol. The function of this banner is to make the public know and comply with the Health protocol so that the public can be alert in the midst of this pandemic. During this pandemic, KKN-T activities organized by the University of Palangka Raya contributed to preventing the spread of the corona virus. One of the efforts made by KKN-T students in Mawar Mekar Village is to put up a banner advising the Health protocol with the sentence listed on the banner, namely 'Comply with the Health Protocol', Fig 3. KKN-T participants hope that the spread of the corona virus can be reduced by complying with the Health protocols listed in the banner. The following are the contents of the Health protocol contained in the banner including; (1) Wearing a Mask; (2) Limiting Mobility; (3) Washing hands; (4) Keeping distance; (5) Avoiding the Crowds. The warning banner regarding to the Health protocol is 2m x 1m. This banner was installed by KKN – T students on September 1, 2021. These banners were placed in two places in Mawar Mekar Village, Pulau Petak District, Kapuas Regency, namely at Poskesdes and at the KKN-T Student Post.



**Fig. 3.** Installation of Health Protocol Socialization Banners

### 3.4. Fulfillment of Activities 4; Making a Profile of Mawar Mekar Village

Implementation of the UPR Period II KKN-T activities in 2021 in the KKN-T group in Mawar Mekar Village, Pulau Petak District, Kapuas Regency. One of the work program activities carried out is making village profiles, Fig 4. Mawar Mekar Village was formed in 2016 and it is known that the village is an expansion village of Mawar Mekar village. Currently, Mawar Mekar village is led by a village head named Khalid with a tenure of 2016-2021. Mawar Mekar village has an area of about  $\pm$  2,300 ha and the population in Mawar Mekar village is 1,212 people and the number of families is 373 people. The majority of the people in Mawar Mekar village work as farmers. As it is known that, Kapuas district was chosen to

be the place for the implementation of the Food Estate, and Mawar Mekar village was one of the selected areas, namely the location of additional land for growing rice. The word "Mawar" is taken from one of the names of handlers in Mawar Mekar Village, namely Handel Mawar. The Handel Mawar empties into the Kapuas Murung River. While the word "Mekar" has the meaning of developing, independent and beautiful according to the expectations of the people of Mawar Mekar Village. The government organizations in Mawar Mekar Village include the Village Head and Village Apparatus (6 people), BPD (9 people), RT Chair (9 people) and Handel Head (3 people). The potential of Mawar Mekar Village is Rice Fields, Crystal Guava, Rambutan, Galam and others. The profiling of Mawar Mekar village was carried out on August 11, 2021 to August 29, 2021, which took place at the post for the Period II KKN-T Group in 2021, Mawar Mekar Village on Jl. G. Obos XIX A, Palangka Raya.



**Fig. 4.** Profiling Mawar Mekar Village

### 3.5. Fulfillment of Additional Activities

The additional activities that our group has successfully completed include; (1) Preparation of Dr. Sidi's 1-3-1 potion and distributed to the Mawar Mekar Community; (2) Making Physical Fitness Gymnastics Videos (SKJ); (3) And making songs and poems for the Mawar Mekar village. All of these group KKN work programs were successfully completed and received a positive response from the Village Apparatus and the Mawar Mekar Village Community, Pulau Petak Subdistrict, Kapuas Regency, Central Kalimantan.

### 4. Conclusion

The implementation of our 2021 UPR Thematic KKN group is a new pattern for implementing courses while creating an impactful experience for students, lecturers, the Mawar Mekar village community and higher education institutions. Even so, the availability of the internet in the area of KKN implementation is still very limit, and holistic coordination is needed so that all KKN programs carried out both at the University of Palangka Raya and other educational institutions can run well, collaboratively and sustainably so that they will create new, effective and impactful ways of learning for society.

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