

Mathematics Learning Assistance for Elementary School Children in Dayeuhluhur Village in The Collective Learning Program KKN Umtas

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ABSTRACT

The learning program with the UMTAS KKN is a Thematic KKN service program at the University of Muhammadiyah Tasikmalaya with the target of equivalent elementary school students living in Dayeuhluhur Hamlet, Dayeuhluhur Village, Dayeuhluhur District, Cilacap Regency. Where, the objectives of the program are: 1) Helping students understand material that has not been understood 2) Helping do homework given to students who have difficulty. With this learning program with the UMTAS KKN, students better understand the material that is considered difficult and is more helpful in doing school assignments. The results of the mentoring program are very helpful in increasing students' knowledge of learning mathematics, it can be seen from the pretest and posttest scores given to students.

Keywords: Learning Assistance, UMTAS KKN, Dayeuhluhur Hamlet

INTRODUCTION

Currently Indonesia is facing a new dynamic in social life. The social order in the current conditions does not force all elements and layers of society to change all aspects of the life of the existing society. One of the elements in the social order that has changed is the education system. The education system was changed in order to adapt to the conditions that existed during a special emergency this time, namely the covid 19 pandemic. In 2020 the Minister of Education, Culture, Research and Technology (Mendikbudristek) Mr. Nadiem Makarim issued a policy to respond to the covid 19 pandemic situation and gave directions to carry out the process of distance learning or online learning (in the network).

However, in August 2021 based on the Joint Decree of the Minister of Education and Culture, Minister of Religion, Minister of Health and Minister of Home Affairs Number 03/KB/2021, Number 384 TAHUN 2021, Number HK.01.08/MENKES/4242/2021, Number 440-717 YEAR 2021 concerning Guidelines for Organizing Learning During the 2019 Coronavirus Disease (Covid-19) Pandemic, the implementation of learning in education units located in Regencies and Cities in the Java and Bali regions with Level 3 (three) criteria can be carried out through limited face-to-face learning and/ or distance learning. For education units implementing face-to-face learning, it is limited to a maximum capacity of 50% (fifty percent).

Dayeuhluhur Hamlet, Dayeuhluhur Village, Dayeuhluhur District itself is located in the Cilacap Regency area of Central Java Province where in the Minister of Home Affairs No. 34 of 2021 concerning

Enforcement of Limitations on Community Activities Level 4, Level 3 and Level 2 Covid 19 in the Java and Bali Regions is included in the area within level 3 criteria in which face-to-face learning can be carried out in that area with a limited maximum capacity of 50%.

Several elementary schools/equivalents in Dayeuhluhur Hamlet have carried out face-to-face learning trials, students study at school 3 days a week for 2 hours from 08.00 to 10.00. Even though face-to-face learning has been carried out, the provision of learning material is still not optimal, after two hours students are given material students still have to get assignments that are considered quite a lot to do at home

On August 12, 2021, we conducted interviews with school principals at SDN 1 Dayeuhluhur and MIN 5 Dayeuhluhur, the result was that even though learning was carried out face-to-face, the learning material obtained by students was not optimal, especially in mathematics. In addition, we also conducted interviews with people who have children who attend elementary school, the results show that in accompanying learning at home parents find it difficult to accompany their children in learning mathematics due to a lack of understanding of parents towards mathematics learning material.

Therefore, with these problems, we are interested in providing mathematics learning assistance for elementary school children through the UMTAS KKN Together Learning program as an effort to help the learning process that is not optimally carried out at school.

RESEARCH METHOD

The UMTAS KKN Collaborative Study Program in Dayeuhluhur Hamlet, Dayeuhluhur Village, Dayeuhluhur District is held on 16 August - 10 September 2021 twice a week. There are 3 stages involved in carrying out the UMTAS KKN Collaborative Learning work program, which consists of:

1. Preparation Stage

At this stage we made posters or brochures to inform the residents of Dayeuhluhur Hamlet and schools in Dayeuhluhur Village to participate in the UMTAS KKN Collaborative Study work program. We also conducted interviews with school principals as well as the community regarding whether there were still difficulties or obstacles felt regarding face-to-face learning activities in schools which were still limited to 50%.

2. Implementation Stage.

At this stage the learning activities use the face-to-face method, this is done because the location of the post is close to the school environment in Dayeuhluhur Hamlet while still paying attention to health protocols.

3. Evaluation Stage

At this stage students are given a posttest to find out how far the results obtained by students after being given learning assistance.

RESULT AND DISCUSSION

The UMTAS KKN Collaborative Study Program is a work program organized by the Thematic KKN 2021 Muhammadiyah University of Tasikmalaya in Dayeuhluhur District, Dayeuhluhur Village, to be precise in Dayeuhluhur Hamlet. This program is a study assistance program that is devoted to the subject of mathematics.

Initially, we conducted socialization with the Principal of the Equal Elementary School in the Dayeuhluhur Hamlet location by providing brochures for the UMTAS KKN Collaborative Study to be distributed to students as well as socialization of the program with the community in Dayeuhluhur Hamlet.



Figure 1. UMTAS KKN Collaborative Study Brochure

Next, we carry out the face-to-face work program starting with giving a pretest to see how far the students' ability is in the material to be explained, after that giving and explaining the material and explaining the homework (PR) that students have.



Figure 2. Work on Pretest Questions



Figure 3. The learning process

In the last week of mentoring activities, students are given a posttest to find out the success of the mentoring process. Tutoring is carried out while still paying attention to health protocols, this is done to reduce the spread of the Covid-19 virus.



Figure 4. Posttest Question Work Activities

Based on the results of the pretest and posttest carried out by the mentoring program it is very helpful in increasing students' knowledge of learning mathematics. This can be seen in the table of pretest and posttest values below.

Table 1. Grade 6 Students' Pretest and Posttest Scores

No	Name	Pretest	Posttest
1	Inayah	60	100
2	Alya	70	100
3	Intan	70	100
4	Giska	20	70

Table 2. Grade 5 Students' Pretest and Posttest Scores

No	Name	Pretest	Posttest
1	Nana	60	90
2	Iman	40	80

Table 3. Grade 3 Students' Pretest and Posttest Scores

No	Name	Pretest	Posttest
1	Rizki	70	100

In self-study assistance activities students are quite enthusiastic in participating in learning activities, but students also get bored quickly and do not focus when learning assistance is carried out, students tend to depend on doing assignments, students also often complain about difficulties in doing because they have not read books and there are some material that has not been explained by the teacher.

After learning assistance, students feel that they understand more about material related to learning and doing assignments, it will be more helpful with this learning assistance.

CONCLUSION AND SUGGESTION

The UMTAS KKN joint learning assistance program for elementary school students of the same level in Dayeuhluhur Hamlet is in the process of being implemented from 16 August to 10 September 2021 which is held twice a week.

Elementary school students who took part in learning assistance admitted that after receiving learning assistance students became more aware of the material being taught and students became more assisted in carrying out assignments given by the teacher at school besides that the process of learning assistance was also liked by students because the material was explained in a relaxed manner and flexible.

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