

Good Practices for Students in Improving Children's Literacy and Numeracy in Barus Julu Basam Village, Barus Jahe District, Karo Regency

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A B S T R A C T

The aim of implementing this PkM activity is to increase literacy and numeracy in Barus Jahe sub-district, Karo Regency. Mechanism for implementing PkM activities at Universitas HKBP Nommensen, Medan. This activity will be carried out from February 5 to early March 2024 in Barus Jahe District, Karo Regency. The student PkM team consists of 4 people and is guided by one field supervisor. Students group students into 4 groups, where each group is taught by 1 student, 4-5 people. The media used by students are reading books, pens, printed books, and letter drawing media provided by students. There were 20 students, which increased literacy by 14 people. Students succeeded in increasing literacy among 4 students, while for numeracy 10 students. The results obtained from this PkM activity were the ability to adapt well so that cooperative relationships were established between the community, students and students in Barusjulu village, Basam Hamlet. Students held an assistance program in the form of literacy and numeracy tutoring for students at SD 101905 Pasar Melintang at 15:00 WIB - 17:00 WIB. Students provided tutoring for children around where students lived at the village office in Basam village and also helped complete school assignments they. Students helped the village in posyandu activities for children and posyandu for the elderly in Barusjulu village, Basam village. Students create pamphlets to increase public awareness in maintaining environmental cleanliness in designated locations.

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INTRODUCTION

Community Service (PkM) is a form of activity that provides learning experiences for students to live among communities outside campus. PkM is also one of the mandatory courses that students in semester 7 (seven) must complete. At the same time, it is a learning process as well as a form of student service to the wider community and directly identifying and dealing with the problems currently being faced by the community, especially in Barus Julu Basam Village. PkM is one of the three principles of higher education that must be implemented by all students as one of the main requirements for graduation in achieving a bachelor's or diploma degree. Therefore, students must be ready to adapt to society to provide direct service in implementing the programs that have been designed.

The Community Service Program (PkM) of the Faculty of Teacher Training and Education is implemented by the university in an effort to increase knowledge in students to gain added value and as a means of increasing insight and experience which can trigger broader knowledge for students. In this PkM Program, the campus and PkM participants collaborate with the village head to help children improve literacy and numeracy in lessons. Therefore, it is hoped that this PkM program can provide more benefits for the community and students because holding this PkM can help the community, especially the children of Barus Julu Basam Village, in improving their literacy and numeracy lessons. Apart from that, students are also expected to gain experience on how to socialize and teach so as to shape their personality.

Universitas HKBP Nommensen (UHN) was founded on October 7, 1954, which was intended as an effort by the HKBP church to take part and involve itself in the process of educating the nation's life as mandated by the 1945 Constitution of the Republic of Indonesia. One of the efforts to maximize involvement in making the nation's life intelligent is UHN. establishing PkM as one of the courses in the curriculum that applies in various faculties managed by UHN. This course is expected to be a means of realizing the involvement of universities, lecturers and students to serve the interests of the wider community. The process of community service is more emphasized in rural communities which really need student involvement in supporting their daily activities, especially providing direct enlightenment from a scientific perspective.

We chose Barusjulu Village, Basam Village, as the object for conducting the Community Service course because of our heart's desire. Basam Village is a village located in Barus Jahe District, Karo Regency, North Sumatra Province. Based on data available at the village office, this village consists of 2 Villages, namely Barusjulu and Basam. The majority of people's livelihood in this village is farming strawberries and onions. Apart from farming, other livelihoods of the people in the village are orange farming and animal husbandry.

Barusjulu Village has 3 elementary schools where the average student in the village still lacks numeracy literacy skills. Literacy is the ability a person has to manage information when carrying out the reading and writing process (Anderha & Maskar, 2021). Numeracy is the ability to apply number concepts and counting skills in everyday life, such as when carrying out work in society, in social life, and the ability to interpret information around us (Aziz Amrullah, 2015). The condition of children's numeracy literacy in Basam Village still has several challenges, including learning that is not contextual and students' reading abilities are very poor (Fuadi, et al, 2020: 108), the lack of facilities that students get to practice numeracy literacy skills that are less effective.

METHOD OF IMPLEMENTATION

The problem's solving framework for this activity considers various things, including the level of needs and problems, situation and conditions, science and technology applied, human resources (HR) owned, benefits and level of success to be achieved. To realize this PKM activity in accordance with the problems that have been found, the approach taken includes identification, observation, discussion, socialization, training and evaluation with the following steps:

A. Preparation and Provision

1. The mechanism for implementing PkM activities at Universitas HKBP Nommensen Medan includes:
 - a. Preparation
 - b. Registration
 - c. Location selection
 - d. Field observation
 - e. Provision for students and field supervisors (DPL)

- f. Delivery of students to PkM locations by DPL
- g. Evaluation monitoring
- h. Withdrawal of students from PkM locations



Figure 1. Delivery period for PkM students by DPL to Barusjulu Village, Basam Village, Barujahe District, Karo Regency

2. PkM preparation and supply materials. Preparation and provision for students participating in PkM activities at HKBP Nommensen University Medan includes:

- a. The role of HKBP Nommensen University Medan in improving the quality of human resources through implementing PkM in Pasar Melintang Village.
- b. Actualization of academic policies in the implementation of PkM Universitas HKBP Nommensen Medan
- c. Philosophy (meaning, goals, objectives and benefits of PkM)
- d. PkM program planning and organization
- e. The role of PkM in society
- f. The role of communication in program implementation at PkM locations
- g. Exercise in preparing program plans and organizing PkM
- h. Description of tasks, rules, reporting and assessment of PkM students

B. Implementation

The steps that will be implemented to achieve the expected results from community service activities are:

1. Students prepare activity plans during assignments based on the results of observations
2. Students consult the activity plan with the village head and field supervisor
3. PkM program implementation plan starting from:
 - a. Delivery of students starting from February 2 2024 to partners in Barusjulu Village, Basam Village
 - b. Activities start from observations, namely from 5 - 7 February with observations of the surrounding environment
 - c. Proposing a student program to the village head, namely:
 - 1) Opening tutoring or additional lessons to improve literacy and numeracy
 - 2) Making a literacy board
 - 3) Cleanliness once a week in Jambur and surrounding areas
 - 4) Assisting the village head and village officials
 - 5) Making a pamphlet for disposing of rubbish in its proper place

RESULTS AND DISCUSSION

A. Results of Activity Implementation

Activities for implementing PkM (Community Service) in Barus Julu Village, Basam Village according to those in the field include 2 main points, namely:

1. Implementation activities at the Village Office

- a. In the first week, 5 – 11 February 2024, students introduce themselves to the residents of Basam Village, attend village office meetings, maintain the cleanliness of the village office environment, help with elderly posyandu activities, help with toddler posyandu activities, provide lessons, take part in gymnastics
- b. In the second week, 12 - 18 February 2024, students carried out cleaning in the village office area, held lessons, cleaned jambur, helped the village head's strawberry field, took part in gymnastics, supervised Field Supervisors (DPL) for students.
- c. In the third week, 19 – 25 February 2024, students carried out cleaning in the village office area, cleaned jambur, made literacy boards, held lessons, took part in gymnastics, helped residents cut onions,
- d. In the fourth week, 26 February - 2 March 2024, DPL picks up students academically, looks for schools for promotion, farewell event with the students of Barusjulu, Basam Village, farewell event with the Village Head, village officials, BPD Barusjulu, midwives, and students' return



Figure 2. Students help residents harvest strawberries from morning to noon, then carry out work program activities to open tutoring

2. Core Activities

The implementation of Numeracy Literacy in Jambur Dusun Basam is:

- a. In the first week, February 5 2024, from morning to evening, helping the village head woman in the fields to harvest coffee, for February 8 2024 helping at the posyandu for the elderly, in the evening students will start providing additional lessons in the evening starting from 19.00 to 21.00, with activities to introduce students to students who will take lessons. Then students divide into groups of 1 student, 4-5 students.

The following is a list of students taking additional lessons:

Table 1. Tutoring for Literacy and Numeracy Students of Barusjulu Village, Basam Village

LITERATION AND NUMERATION				
No	Students' Names	M/F	Class	School Origin
1	Inez Swenita br Tarigan	F	V	SD Advend Barusjulu
2	Flora Indriani br Simatupang	F	VII	SMP Negeri 2 Berastagi
3	Yongki Pratama Tarigan	M	VI	SD 19 Tanjung Barus
4	Sebastian Tarigan	M	VI	SD Swata Masehi Berastagi
5	Yodi Sahputra Tarigan	M	III	SD 19 Tanjung Barus
6	Novrika	F	I	SD 19 Tanjung Barus
7	Elia	F	II	SD Advend Barus Julu
8	Popy	F	II	SD 19 Tanjung Barus
9	Zahra	F	I	SD Alkaroma
10	Fanesia Viranika br Barus	F	V	SD 19 Tanjung Barus
11	Christoper Eralo	M	IV	SD Swasta Masehi Berastagi
12	Saut Martua	M	V	SD 19 Tanjung Barus
13	Lesti Maensi	F	III	SD 19 Tanjung Barus
14	Ibrena br Ginting	F	I	SD Jabal Nur
15	Ledyanna	F	VI	SD 19 Tanjung Barus
16	Tirka Selonika br Tarigan	F	V	SD 19 Tanjung Barus
17	Pandu	M	TK	TK Jabal Nur
18	Bahtra	M	TK	TK Tanjung Barus
19	Jetherry	M	VI	SD Swasta Masehi Berastagi
20	Kesyra br Tarigan	F	IV	SD 19 Tanjung Barus

- b. The second week of February 15-16 2024, activities include helping the village head to clean the strawberry fields, clean the village office yard, jambur, and open literacy and numeracy lessons
- c. The third week, 20-23 February 2024, make literacy boards and put up the boards, help with parties in the village with youth organizations
- d. Fourth week, February 26-27 2024, DPL pick-up and school search for campus promotion, February 28-29 2024 farewell event for Basam Village students, also farewell to the village head, village officials, BPD, youth youth group chairman, and Mrs. midwife



Figure 3. Students carry out a work program, namely helping the elderly posyanda, cleaning the village office and its surroundings

B. Discussion

Table 2. Student activities in increasing numeracy literacy

No	Students' Names	The Improvement
1	Popy	His literacy has increased, where at first he spelled two words, he is now fluent
2	Ibrena br. Ginting	Numeracy increases as each person becomes less adept at addition
3	Yodi Sahputra Tarigan	His literacy has increased, whereas at first he didn't pay attention to punctuation marks, such as periods, commas and other punctuation marks, now he does
4	Inez Swenita br Tarigan	His numeracy has increased before he didn't know how to divide in layers, now he knows
5	Kesya br Tarigan	Numeracy has increased, where the division into layers has not been smooth, it has become smooth
6	Novrika	Her literacy has increased, where reading was still halting, now she is fluent
7	Sebastian Tarigan	His numeracy has increased, where he didn't know second powers and third powers, now he knows that as the multiplication increases
8	Christopher Eralo	His numeracy improved in multiplying two digits by two digits because previously he could only multiply two digits by one digit.
9	Yongki Pratama Tarigan	The numeracy has increased, where previously you didn't understand the division into layers, now you understand
10	Elia	Numeracy has increased, those who were not yet proficient in multiplication are now proficient
11	Saut Martua	Numeracy improves to the point where multiplication of two digits by two digits becomes proficient
12	Lesti Maensi	His literacy has increased, which means he can't read fluently now
13	Jetherry	Numeracy has increased, which you couldn't do before, now you can multiply numbers
14	Zahra	His numeracy has increased, which he was not yet proficient at, he is now proficient at it



Figure 4. Implementation of student program activities, cleaning the village office, cleaning the jambur and the surrounding environment

Community Service (PkM) students carried out activities to increase literacy on 5 - 29 February 2024. Students grouped students into 4 groups where each group was taught by 1 student of 4-5 people. The media used by students are reading books, pens, printed books, and letter drawing media provided by students. There were 20 students, which increased literacy by 14 people. Students succeeded in increasing literacy among 4 students, while for numeracy 10 people



Figure 5. DPL monitoring the village office, helping the village head's field, DPL also visiting the village head's strawberry field

CONCLUSION

Conclusions that can be drawn from the implementation of Community Service in Barusjulu Village, Basam Village, Barus Jahe District, Karo Regency, North Sumatra which was carried out from 05-29 February 2024 include the following:

1. Able to adapt well so that there is a cooperative relationship between the community, students and students in Barusjulu village, Basam Village.
2. Students held an assistance program in the form of literacy and numeracy tutoring for students at SD 101905 Pasar Melintang at 15:00Wib -17:00Wib Students provided tutoring for children around the place
3. Students living at the village office in Basam Village also help complete their school assignments.

4. Students help the village in posyandu activities for children and posyandu for the elderly in Barusjulu village, Basam Village
5. Students create pamphlets to increase public awareness in maintaining a clean environment in the specified location

THANK YOU NOTE

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