

Green Moral: Nature Conservancy Strategy For Communities At Diloniyohu And Sidomulyo Selatan Villages, Boliyohuto District, Gorontalo Regency

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Abstract

This community service is conducted through The Thematic Community Service Program "Village Building". This program is related to Green Moral Concept by applying nature conservancy strategy by people at Diloniyohu and Sidomulyo Selatan Village, Boliyohuto District, Gorontalo Regency, to accomplish the achievement of SDGs. The implementation of the program is conducted together by the university students, local communities and government. The main objective of this Thematic Program is to increase the community's understanding and attitude about nature conservancy through Green Moral strategy. This strategy is implemented by doing socialization and education to community as a part of character education to build their awareness to conserve environment which is in line with SDGs program. This Thematic Community Service Program has a beneficial effect to assist local government and community in making policies and planning various program in relation to the strategy to conserve the nature and village environment. The program is implemented through the following methods, preparation, briefing, and implementation. The result of the program has been accomplished by forming "Youth and Community for Environmental Care", arrange the frontyard by growing bamboo hydroponic plants, ecobricks, and distributing stickers "Care the Environment" to people as an effort to raise their awareness of conserving the nature and environment.

Keywords: Green Moral, nature, Sidomulyo Selatan, Diloniyohu

INTRODUCTION

SDGs (*Sustainable Development Goals*) Program is deal development new push _ shifting changes _ to direction development sustainable based on right basic human and equality for push development social, economic and environmental live. The SDGs scheme has 18 goals development sustainable which includes: (1) without poverty, (2) without hunger, (3) life healthy and prosperous, (4) education quality, (5) gender equality / involvement woman village, (6) proper clean water and sanitation, (7) energy clean and renewable, (8) growth equitable economy, (9) innovation and infrastructure, (10) reduced gap, (11) area settlement village safe and comfortable, (12) consumption and production village aware environment, (13) responsive change climate, (14) care environment sea, (15) care environment land, (16) peace and justice, (17) partnership for development village, and (18) institutions dynamic and cultured village _ adaptive. Goals and goals SDGs are divided to in eight typology village, in between yes; typology fourth is " Village " Care Environment". Concern environment Becomes very urgent thing in reach SDG goals, because through aspect this, then will created pattern education aware environment that has an impact on knowledge, change attitude and behavior knowledge Public to effort guard the environment.

in the middle fast development various infrastructure until to remote corner village of course give big impact _ to environment. Impact that could worth positive meaning _ give benefit for life people, and impact negative that is emergence adverse risk _ community (Djmitko, 2000). because _ that need there is effort for mobilize, educate, and instill moral values to community to care to environment village. Man must have good moral attitude to nature and the environment. That thing important because according to Safrilsyah (2014) that Among man with environment his life there is reciprocal relationship, where humans influence environment his life and vice versa, human

influenced by environment his life. Environment life could declared as all things and power as well as conditions, including _ _ human and behavior in demand his actions, which are in room where man exist and influence continuity life as well as well-being humans and bodies life others (Munadjat, 1985).

Challenge moment this is ensure continuity life man in the middle the more eroded environment and nature around. Especially in treat nature at this time. All needs that are utilized by humans, all of them available from nature, so worried Thing that will weaken and destroy natural or environment. one _ destination main management environment life is implementation development insightful environment and control utilization source power natural by wise and proportionate by the community. Society is defined as group big or small consisting of on a number of man with or because alone related by group and mutual influence one each other. Society can also be interpreted as bunch mutual human _ interact (Hasan, 1993). Society becomes key main in care and preservation environment at level village. because _ that, effort for change pattern thought and paradigm Public village to care environment is needed.

Activity people in the village who still try guard nature and environment expected could give contribution important to achievement of the SDGs program. That thing important, because environment will awake with good really depends on understanding and behavior Public manage nature with good and wise way _ _ Management source power nature and environment must conducted by proportional, professional, and appropriate needs. All villages in Indonesia, including in Gorontalo province, Grontalo, district Boliyohuto have riches nature, environment, and social capital in it. If managed with fine, of course could give benefits and contributions for growth economy community and guarantee environment healthy village. _ one _ effort for realize Thing that is through the "Green Moral" strategy. The strategy more in tune with concept that emphasizes effort _ formation attitude and behavior Public to natural in skeleton avoid damage environment (Praja, 2021). With this strategy expected could help wake up community to care to the environment.

Based on description problems and expectations above, then _ through the Thematic Community Service Program Village Build will held a program focused on "Green Morals: Strategies to Maintain Nature by Community located in the village South Sidomulyo and Diloniyohu sub -districts Boliyohuto Gorontalo Regency ". Objectives of the Thematic Community Service Program this is increase understanding Public to the strategy of keeping natural through formation group community and youth care environment as well as various related programs with concern environment in the village. Benefits of the program expected could increase awareness and concern Public through activity socialization and education as part from implementation planting moral values for Public village South Sidomulyo and Diloniyohu to form behavior and attitude care to the environment.

METHOD

Program Implementation Thematic Community Service Build Village consist over 3 stages, that is Step preparation and supply, stage _ implementation, and plan program sustainability.

Preparation and Debriefing

Mechanism implementation Thematic Community Service Activities cover stages following this:

1. Preparation and survey _ _ _ location
2. Coordination with government villages and districts Thematic Community Service Activities
3. Recruitment student participant Thematic Community Service cooperation with LPM UNG
4. Supply and insurance student participant
5. Implementation of Programs that become the purpose of KKN
6. Evaluation implementation of programs carried out every 2 weeks.
7. Withdrawal KKS students.

Theory debriefing / *coaching* for student KKN participants are:

1. Function student in Thematic Community Service Program by the Head of LPM-UNG
2. Guidelines and implementation of the KKN-PPM program by the chairperson of the KKN-UNG Session Debriefing / *Coaching* (Together with Lecturers Advisor field)
3. Theory description general Thematic KKN theme About Green Moral
4. Management and Technical at the KKN location.

Implementation stages Community Service Activities in progress August-October 2021 as following:

1. Release event student Thematic KKN participants from UNG campus with team and lecturer mentor field.
2. Delivery of 15 students KKN participants to Village Bongongoayu district. Boliyohuto
3. Submission student Thematic KKN participants to each village.
4. Implementation of programs that become destination main
5. Monitoring and evaluation activity
6. Withdrawal student Thematic KKN participants

Implementation

Village to be Becomes partner accompaniment student Thematic KKN participants this that is Village Diloniyohu and South Sidomulyo, district. Boliyohuto. The form of the program that will implemented by thematic KKN participants is a program of socialization / lectures, tutorials / training, and empowerment for community by lecturer executor and accompanied by students KKN- Thematic participants in continue the Green Morals program. this KKN held with prioritize principle empowerment Public with destination main program sustainability and independence society.

Work volume in activity Studying Work Real (KKN)- Devotion declared in form of working hours effective student (JKEM). Every student must To do profession as much as 144 JKEM per month for at least 2 months KKN - Thematic activities, so that every student must To do profession as many as 288 JKEM in 2 months. Amount student participant activity Studying Work Cybermas (KKS) - Service this is 15 people. Total volume of working hours effective student (JKEM) is 15 students x 288 JKEM = 4320 working hours effective student (JKEM).

By detail activity in the Lecture Program Work Cybermas (KKN) - Thematic with theme “ Green Moral: Strategy to Maintain Natural for Communities in the Village Diloniyohu and South Sidomulyo Observation district Boliyohuto ” carried out with method as following.

Plan Community Empowerment Program Action (KKNT)

By detail activity in the Lecture Program Work Real (KKN) - Thematic held with ways and steps as following:

Table 1. Plan KKNT Program Action

No	Scope of KKNT 's Work Program	Activity	Volume	Information
1	Activities related students _ with accompaniment planning development village.	Data collection Potential and Information as well as documents needed in the village	1080	5 people
2	Activities related students _ with socialization and formation group community	Meetings and Meetings with Apparatus Village, Community and Youth Organization as well as	1080	3 people

No	Scope of KKNT 's Work Program	Activity	Volume	Information
	care KKN environment / main program	Formation and Inauguration Community and Youth Lover Nature (MPL/RPL)		
3	Activities related students _ with socialization care environment and manufacture ecobrick / KKN main program	Implementation Socialization Care Environment and Sharing Sticker Let's Care Environment to house residents, and arrangement page house inhabitant with plant hydroponics as well as making product ecobricks from ingredient bottle plastic	1080	5 people
4	Activities related students _ with program documentation	Compilation KKN reports and their outputs (photos, video publications to youtube, mass media, activity logs, and articles journal)	1080	2 people
Total activity volume (in JKEM)			4320	15 Mhs

Lecture Program KKN Work - Thematic held with prioritize principle empowerment Public with destination main program sustainability and independence society. So that after Lecture Program KKN Work - Thematic done, people village could continue the program that has been run by independent especially in the empowerment program strengthening character through the Green Morals program.

ACTIVITY RESULTS

Formation of Caring Society Environment (Green Moral)

A good and healthy living environment is an environment that is free from pollution and especially avoid behavior that is not good from Public in treat environment around. That thing important because according to Mangunjaya (2006) that there is a number of influencing factors _ unconsciousness Public to the environment including ; factor poverty, ignorance, humanity and style live. To cope Thing that need existence planting awareness to community in environmental management wisely for the maintenance, preservation, and prevention of environmental damage in the village. As a form of community participation in protecting the environment, it is necessary to have an environmental care movement such as the formation of community groups and youth who care about the environment.

Community care for the environment was formed with the aim of building public awareness of the importance of protecting the environment. This activity began with a meeting of KKN students with youth groups, both in Diloniyohu Village and South Sidomulyo Village. In the meeting, KKN students explained the program for the formation of community groups who care about the environment. Furthermore, each village formed a Community Concerned Environment (MPL) group in the village South Sidomulyo and Youth Care Environment (RPL) in the village Diloniyohu as well

as confirmation by the village. Members of the MPL and RPL groups are filled by local youth. This is intended so that the spirit that is in the youth can be used to protect the environment. The program is part of the 'Green Moral' strategy for Public guard nature and the environment.

MPL and RPL groups that have been officially inaugurated receive material from environmental experts about the role of MPL and RPL groups and the importance of protecting the environment. The MPL and RPL groups are expected to be the driving force in the community to protect and preserve the environment. In addition, MPL and RPL are expected to be able to become the front line in protecting the environment from the threat of pollution and environmental destruction.

The formation of MPL and RPL received a positive response from the local community, namely Diloniyohu and South Sidomulyo villages. Based on the local community's acknowledgment, MPL and RPL groups had never been formed before. So, with the KKN student program in the form of forming MPL and RPL groups, the community has a place to carry out environmentally friendly activities while preserving the environment.

Setup yard House Inhabitant at a time Making Droponic H i Plants from Bamboo _

Structuring the yard of residents' houses as well as making hydroponic plants is one of the programs carried out as an effort to preserve and protect the environment. Environmental arrangement is intended so that the environment looks clean, cool, neat, beautiful and healthy. Residents in Diloniyohu and South Sidomulyo Villages have yards that can be used for making hydroponic plants. Hydroponics is land cultivation agriculture with use water medium as replacement land, so that system match plant by hydroponics could utilise narrow land (Sari and Dimas, 2017).

Hydroponics is a technology match plant that can produce ingredient food (Suryani, 2016). Principle base hydroponics is effort give nutrients or _ necessary nutrients _ plants. Through technique this will more many plants that can cultivated in unit narrow space. _ Even plant will grow more productive though without soil media (Otkarina et al, 2009). The manufacture of hydroponic plants in Diloniyohu and South Sidomulyo villages is carried out using bamboo. The activity began with the provision of bamboo by students together with local residents. Next, make a pattern on the bamboo and enter the plants to be cultivated.

The manufacture of hydroponic plants is expected to be an alternative for planting food in the form of vegetables for residents, especially residents who have narrow house yards. hydroponic techniques produce plants that are clean and easy to control from pests and diseases. In addition, with the presence of hydroponic plants, the yard of the residents' houses looks neater and more beautiful. The program is part of the 'Green Moral' strategy for community take care nature and the environment.

Besides that, in that activity KKN students and the community work together in making trash bins with bamboo as raw materials. Furthermore, the finished trash cans are distributed to residents' homes and in public places. With the trash can, the environment looks cleaner because garbage is no longer scattered. In addition to making trash cans, there was also arrangement of ornamental plant pots in the yards of residents' houses. Arrangements are made, because the residents' plants in the yard are not neatly arranged, so disturbing beauty environment.

Making Product *Ecobricks*

Since In the past, garbage was one of the problems that did n't exist stop studied, especially the problem of plastic waste. Problem waste frequent plastic _ at issue is related to the factor of plastic waste that is difficult to decompose. Plastic waste that is difficult to decompose, of course impact cause problem environmental pollution. Problem that need there is a right solution, effective, and creative. Related that, then problem the Becomes attention Thematic KKN students in the village South Sidomulyo so, make it a program about *ecobricks*. The program is part of the 'Green Moral' strategy for Public guard nature and the environment.

Meaning from implementation of the manufacturing program *ecobrick* that is as efforts to utilize plastic waste that can be made for all equipment needed by humans, such as making tables, chairs, or decorations as well as necessity development certain. *Ecobricks* is a bottle packed plastic _ with enter piece plastic used in condition clean and dry with density certain that can used for make something creation art nor powerful building _ To use high (Istirokhatun and Nugraha, 2019).

Ecobricks could utilized as furniture (chairs, tables), room plant, wall, even a building by intact (Antico, Wiener, Araya- Letelier, & Gonzalez Retamal, 2018). Likewise in South Sidomulyo Village, *ecobrick* products produced by students is a sofa/ chair. For this reason, the manufacture of *ecobrick* products can be a wise step to preserve nature and the surrounding environment. In the product manufacturing process, plastic waste is recycled into useful tools for human life for example chairs, tables and decorations other. Likewise in South Sidomulyo Village, *ecobrick* products produced by students is a sofa/ chair.

This activity begins with the collection of plastic waste in the form of used bottles. Next, the students and the residents assembled the plastic bottles into chairs. From the results of this *ecobrick* it can be seen that plastic waste which initially cannot be used or only becomes waste that causes pollution and environmental damage, can then become something useful. *Ecobrick* too can be used as a source of income for the community if more intensive skills development is carried out.

This activity received a positive response from the local community. The use of plastic waste by KKN students can be one of the inspirations and examples of creative programs that can be followed up by the community To use help growth economy. In this case, the public can produce other *ecobrick products* independently under the training and guidance of the MPL group that has form in the village South Sidomulyo. which result could commercialized.

Distribution Sticker at a time Socialization Care Environment to the Resident 's House

The distribution of environmental care stickers is carried out with the aim of always remind and appeal to all residents of Diloniyohu and South Sidomulyo Villages to maintain the preservation of the surrounding environment. This is done to support the realization of public awareness in loving and preserving the environment. This sticker distribution activity was accompanied by socialization regarding the importance of caring for the environment.

Residents gave a positive response to this activity. Every inhabitant show high enthusiasm in listening to socialization and explanations from students and groups Public care environment (MPL) in the village South Sidomulyo and teenagers care RPL environment in the village Diloniyohu related to environmental protection. Socialization the character education by no direct to Public for could accept knowledge and information that can reliable related with concern guard nature and environment village. That thing in accordance with view Karatekin (2018) that solution problem environment possible with understand ecology with right and with rely on information generated by science _ for study return connection with nature.

Furthermore, students, MPL and RPL, together with the residents put a sticker on the doors and windows home as *reminder* or reminder for society to stay aware of and care about hygiene and health his environment. The program is part of the 'Green Moral' strategy for Public guard nature and the environment.

CONCLUSION

Thematic Program held in tune with destination achievement of the SDGs. That thing Becomes important because The implementation of thematic KKN prioritizes principle empowerment society. That thing meant to be stranded program continuity and sustainability and independence society. After Lecture Program KKN Work - Thematic done, hope Public could continue the program that has been run by independent especially in the empowerment program strengthening character through the Green Moral Guna program guard nature and environment in the village South Sidomulyo and Diloniyohu.

KKN activities - Thematic _ Village Build with the title "Green Morals: A Strategy for Keeping Natural for the community in the village South Sidomulyo and Diloniyohu Observation district Boliyohuto who has been accomplished and done held namely: formation Public care environment (green moral), arrangement yard house inhabitant at a time making h i droponic plant from ari bamboo, manufacture product ecobricks, and division sticker for aware and care _ environment k er the houses of citizens.

The implementation of the Thematic KKN program needs to get Support full from all party. In Thing this government districts, sub -districts, and villages expected could optimizing braid collaboration with universities. braid work same related with implementation of Thematic Community Service Of course it's also necessary synergized with programs at the Ministry Village in skeleton reach SDGs goals. That thing important done so that the government village and community could understand, support, and implement, as well as continue the Thematic KKN programs that have been implemented by students in the village South Sidomulyo and Diloniyohu. The most important main program driven by the government village is empower group " Society and Youth " Care Environment " in " create related programs with the Green Moral strategy through socialization and education to people to be aware and care take care and care cleanliness and beauty the environment. Formation attitude and change behavior community to direction aware and caring environment of course could realized through Community and Youth Group cadres Care for the Environment (MPL and RPL) are expected able to carry out their duties properly and be able to assist the community in managing and maintaining the environment in the village South Sidomulyo and Diloniyohu.

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APPENDIX



Figure 1: Formation and Inauguration Community and Youth Groups Care Environment (MPL and RPL)



Figure 2. Setup yard house citizen and manufacture plant hydroponics from bamboo



Figure 3. Making Product *Ecobricks*



Figure 4. Sharing Sticker at a time Socialization Care Environment to Residents' House