SOCIALIZATION ARABICA COFFEE CULTIVATION (Coffea arabica L.) BASED ON AGROFORESTRY IN SIPIROK DISTRICT, TAPANULI SELATAN REGENCY

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Keywords:

Community Empowerment, Agroforestry, Arabica Coffee

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Community Abstract: Service "Socialization Arabica Coffee Cultivation (Coffea arabica L.) Based on Agroforestry in Sipirok District, South Tapanuli Regency " aims For education to public about importance coffee cultivation without destroying forest must areas Agroforestry is fusion management land as solution conversion land with use system cultivation plant forestry, agriculture or farm in a way simultaneously . Agroforestry become solution conversion land affected bad. Cultivated coffee plants also have mark high economic Because own mark very high selling price. With existence socialization This expected public Sipirok District is very enthusiastic in prepare coffee cultivation in the forest area place stay them. With achieving an agroforestry system This later also can guard sustainability natural.

INTRODUCTION

Village community generally is a community the people who live in One the same area, which is united and together, which has bond strong and very influential One each other. This is because of public village still have traditions very strong and thick And even sometimes tradition this also greatly affects development village (Koentjaraningrat, 1984). Village communities that are very backward in general also too tall uphold trust grandma ancestors. This is of course result in the difficulty For do development and renewal village. On the other hand, many things that cause A village difficult For experience renewal, including regional isolation, namely the village whose territory is at Far from center economy areas, villages that experience lag in the

field development roads and facilities others, the difficulty access from outside, even the village that experienced poverty and scarcity level education (Sunyoto, 1998).

Government of Tapanuli Selatan Regency (Regency Government) at the moment This push villages in Tapsel Regency for develop become village coffee production. This village expected is a conscious village will potential source the power that exists in his village and can utilized become Tourist attractions. Tapsel District Government has set four village the tour that will developed in the District Sipirok, for support progress Destination Bulu Mario Village Tourism . Bulu Mario Village is one of the area tourism located in the District Sipirok, Tapsel Regency. The famous Bulu Mario Village with panorama and beauty abundant nature interesting traveler Good local and also traveler overseas, and is also area conservative from forest and animals rare especially to watch the orangutans in the National Park of Leuser (TNGL). For that's it so in frame revitalization area tour Sipirok need done arrangement and planning area tour post disaster nature. With existence arrangement area tour Sipirok that is with prepare a spatial master plan so area existing tourism can arranged more Good in accordance with condition biogeophysics. The purpose of activity This community service is For socialize to various layer elements of society about cultivation plant annual that will used For conservation in the region forest Sipirok with utilise waste organic.

METHOD

The approach method used in implementation devotion to the partner community in Bulu Mario Village is method survey (Sugiyono , 2008), Observation Method (Ardani, 2020) and Socialization/ Counseling Method (Soekanto , 2010). In general, community service activities for partners in Bulu Mario Village Bulu Mario Village consist of two activities, namely socialization/counseling on the use of household organic waste and environmental organic waste from oil palm leaves around the settlement as materials in making Liquid Organic Fertilizer (POC). Empowerment of optimizing empty land and land in front of people's yards into agricultural cultivation land with a vertical farming system as an effort to meet the food needs (vegetables) of partner communities in Bulu Mario Village.

RESULTS, DISCUSSION, AND IMPACT

Overview obtained in activity Socialization Cultivation Plant based on plant annual is:

- 1. All over series activity devotion walk with Good And conducive.
- 2. Public Which follow activity socialization start from high school/vocational school students, college students, Local communities and farmers as well as volunteers and tourists foreigners are very enthusiastic Where Lotsquestion Which asked.
- 3. There are 6 samples plants used with addition fertilizer organic compost and ecoenzyme Which Already Ready plant on media polybag.
- 4. Activity started with opening from Bulu Mario Village apparatus, Sipirok District, apparatus subdistrict And Leader Sumatra Rainforest Institute.
- 5. Topics discussion in activity Socialization Cultivation Plant Annual This is utilization waste House ladder made into various product agriculture Wrong the only one utilization compost And waste organic.



Figure 1 . Socialization Coffee Cultivation Based Agroforestry

1. Producing PGPR

a. General Overview of Work Program Implementation

General description from activity Utilization of household waste is:

- 1. Conducting a survey of houses targeted for waste collection.
- 2. household organic and inorganic waste in burlap sacks.
- 3. The household organic and inorganic waste collected was 15 burlap sacks.

- 4. The number of households that participated in this activity was 15.
- 5. The household waste collected consists of used vegetable waste, fruit peels and used plastic beverage bottles.



Figure 2. Practice Cultivation Plant Annual With Waste Organic

2. Producing of PGPR Fertilizer

a. Form Activity

PGPR creation activity was carried out through collaboration between the community service team and public .

b. Overview of Work Program Implementation

General description on activity p making PGPR is:

- 1. main ingredient PGPR production comes from from waste House ladder like the remains vegetables and fruits .
- 2. PGPR Making activities are carried out together with target communities who have collected household waste in previous activities.
- 3. There are 15 bottles of PGPR produced.
- 4. Amount the community that follows The PGPR making activity is 15 people.

DISCUSSION

In process implementation devotion, besides aiming For to educate layer element community, activities this also aims For guard ecosystem area Bukit Lawang

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conservation with do greening . Activities This is also accompanied by with action planting 1000 seedlings plantannual Which consists of from durian, mahogany, matoa And sugar palm.

According to Tjilen et al. (2023), besides benefit economy, devotion to society must also notice effort preservation environment And culture. In context tourist sustainable, preservation environment very important. Through approach Which sustainable, source Power natural like forests, beaches and parks national can preserved, so that destination tourist still interesting And its nature still beautiful. According to Romarak et al., (2021) impact logging forest on conservation reserve natural forest very No Good for availability water because action man has experience degradation, so that result existence impact negative on continuity life man. Forest primary Which looted man For interest dredging income result in debit water in area the flow in on surface land And not stored in in land Which on Finally availability water for resident very not enough. River more and more shallow Because forest in part upstream has there is none.

Use material waste organic on media plant Also proven effective in spur growth a number of type plant annual like rubber (*Havea brasiliensis*) (Ardiansyah , et al., 2023), cocoa (*Theobroma cacao*) (Prayoga et al., 2023), tea (*Camellia sinensis*) (Zit et al., 2023) and coffee Arabica (*Coffee Arabica*) (Ancient , et. a. 2023).

CONCLUSION

The community service program in Bulu Mario Village went well and the community was very enthusiastic in participating. The socialization of Agroforestry-Based Coffee Cultivation in the system carried out in Bulu Mario Village was able to provide an understanding to the community about the importance and advantages of an annual crop-based agricultural system. All participants who follow activity This can understand about use ingredients organic For cultivation plant annual in effort conservation land forest in area Sipirok District in Subdistrict Sipirok . The community is very enthusiastic about switching from using chemical fertilizers to organic fertilizers.

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