

Institutional Design of Gouramy Cultivation Community Village Panjerejo, Rejotangan, Tulungagung

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Abstract: The existence of an institutional design for consumption fish production is the central aspect of sustainability fishery in Village Panjerejo, Rejotangan, Regency Tulungagung. The position price of fish gourami (consumption fish), which tends to fluctuate and is added to the relative price of artificial feed tall, makes farmer fish consumption must own method alternative in availability feed fish. Fish farmer gouramy expected to be able to organize internal institutions to produce self-sufficient fish feed to reduce production costs. This is a crucial moment. They also have to face a relatively fluctuating revenue/ revenue product tend to decrease. System institutional expected produce pattern independence food, in the sense of ease of price and physical access to meet the needs of farmers of consumption fish.

Abstrak: Adanya desain kelembagaan produksi ikan konsumsi merupakan aspek sentral dari perikanan berkelanjutan di Desa Panjerejo, Rejotangan, Kabupaten Tulungagung. Posisi harga ikan gurami (ikan konsumsi) yang cenderung berfluktuasi ditambah dengan harga pakan buatan yang relatif tinggi membuat pembudidaya ikan konsumsi harus memiliki alternatif metode dalam ketersediaan pakan ikan. Pembudidaya ikan gurami diharapkan mampu mengorganisir kelembagaan internal untuk memproduksi pakan ikan swasembada untuk menekan biaya produksi. Ini adalah momen yang krusial. Mereka juga harus menghadapi pendapatan yang relatif fluktuatif/pendapatan produk yang cenderung menurun. Kelembagaan sistem diharapkan menghasilkan pola kemandirian pangan, dalam arti kemudahan harga dan akses fisik untuk memenuhi kebutuhan petani ikan konsumsi.



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INTRODUCTION

Panjerejo Village, Rejotangan District, Tulungagung Regency, is one of the centers for the consumption of fish farmers. Based on the Tulungagung Regency Fisheries Service (2021), the village contributes around 60-70% of fish consumption in Tulungagung Regency. Type The bred consumption fish are tilapia, catfish, and gourami. However, in particular, gourami is the main consumed fish

species bred. Village Panjerejo owns several potentials that can still be improved in the context of breeding fish consumption. First, the potential land capacity as pool breeding fish is Still Enough wide. Picture 1 is an example location of the land's existing pool. Second, the location of the consumption fish breeding grounds is still quite natural, thereby enabling fish farmers to source raw

materials/materials from surrounding locations pools.



Figure 1: Land pool fish in Village Panjerejo
Sources: Pre-Research Team Abdimas RG Ekonomi Kerakyatan

Apart from having capacity from the location aspect, consumption fish farmers in Panjerejo Village also has the potential for managerial development of fish production/breeding. Units The main fish breeding businesses in the village number around 15-20 farmers fish. They have the initiative and ability to build on each other's qualities and pool them. They develop filter/cleaner water, circulation water, And provision feed fish collectively. As can see in Picture 2, pool fish seed breeding is equipped with lights, filters, and circulation diverter motors water.



Figure 2: Fish ponds that have been provided with facilities in Panjerejo Village
Sources: Pre-Research Team Abdimas RG Ekonomi Kerakyatan

Based on the production or breeding of consumption fish seeds that already exist, No become problem crucial. Will but para farmer fish consumption faced dependency feed fish from factory feed fish. Need feed fish That average reach 3000-4000 wrap pellets

For around 15-20 farmers per month is not an obstacle in terms of physical access and price. This state is stimulated by a decline in revenue per farmer per month.

The decrease in monthly farmer revenue is driven by output prices and fish consumption, which also fluctuates. The price of fish consumption is decreasing, decreasing revenue for farmers. Competition the more strict between farmer fish, more consumption add price in the market more decrease (1).

The above strategy aligns with efforts to alleviate people with low incomes by increasing income and reducing the public expenditure burden (Ayoo, 2022). In alleviating poverty, increasing income is carried out through increasing economic growth and inclusive financial access (Beegle. et al., 2016; Bloeck. et al., 2019; Singh, 2020). While reducing the cost of living is done by providing direct cash assistance to the community (Hanna and Olken, 2018).

Besides That, several cases show competition is No Healthy Which appear between group Consumption of fish farmers causes social conflict. Although on the other hand, some group shows the existence of cooperation and closeness of interaction as a form of social capital (2) (3) (4) and (5). One of the consumption fish farmers in Panjerejo Village, Mr. Eko, conveys that in the middle-pressure market, para farmers Are still solid. In context, he said that one of the keys to the sustainability of their business was to try to production independence (6), (7), And (8).

More carry-on, Father Eco conveys that the central aspect that can be pressed from Production costs is the cost of fish feed. Consumer fish farmers agree that with produce feed fish Alone so cost production can press, And para farmer No again dependent on feed from the factory.

METHODS

The method of service activities used, among others:

Lecture

The lecture method was chosen to convey the crucial aspect of producing alternative fish feed. If the training participants need clarification about the material presented by the Nara source can

give questions in a manner direct or No must-wait-for session ask answer (9) (10). Use method lecture combined with utilize laptops And LCD For broadcast material PowerPoint, equipped with Images, including video viewing. Utilization of laptops and LCDs helps trainees more easily understand management, use feed fish alternatives, and remember material training is relatively lot and time training is limited.

Demonstrate

The demonstration method was chosen to demonstrate a work process of production technology/machinery alternative feed to provide convenience for training participants (farmers consuming fish). Demonstrations were carried out by the service team as resource persons with the hope that participant training can carry out simulations perfectly connected with coordination pattern and cooperation production, And feed use alternative fish.

Activity Steps

The steps of the activity in this service go through the following stages:

- a. Lecture on the urgency of independent fertilizer production and problems with the fertilizer market in Indonesia and the world, as well as the position of servants, farmers, and the geographical scope of their service.
- b. Discussions or questions and answers on matters relating to the production of alternative organic fertilizers and their management; towards independent fertilizer production.
- c. Demonstration of independent organic fertilizer production, target groups, mechanisms, and monitoring.

RESULT AND DISCUSSION

As explained in the previous chapter, the implementation of the service scheme is a response to the independence of ornamental fish food. The existence of fish feed technology ornamental has become an aspect main continuity fishery in Village Panjerejo, Sumbergempol, Tulungagung Regency. The price position of ornamental fish tends to decrease and increase relatively high feed prices, forcing ornamental fish farmers to have alternative technologies for fish feed

production. Ornamental fish farmers are expected to be able to produce feed independently fish to reduce production costs. This becomes crucial when they do too must face receipts/ revenues products Which relatively fluctuating even tend Decrease. Alternative fish feed technology is expected to produce food self-sufficiency, meaning convenient access to price And physique to fulfill the need for farmer fish ornamental. Results achieved in the program First, the team succeeded do observing to public Village Panjerejo-related system of independence feed fish. Related to context tool production, Village Panjerejo Already owns tool production and independently feeds fish. However, the tool Still needs technical repair to become tool production active. Apart from that, various outreachs were also held to increase the enthusiasm of the resident's village For support the production of feed fish ornamental alternatives. Socialization is done from the socialization of fish feed that is independent with production prices that are not expensive and easy to make produced in a manner independent.

CONCLUSION

From the discussion and observation results it is known that the problems faced by the partners revolve around the stages of how to make alternative organic fertilizers independently. The solution offered by the community service team is an innovation in procuring alternative organic feeds by making simple feeds. alternative organic feed can reduce the cost of feed production while increasing the selling price of the fishery itself. The second result that was successfully achieved by the service team in this program was the implementation of socialization, training and mentoring. This scheme does require adjustments due to the conditions of the Covid-19 pandemic. Face-to-face activities are limited to reduce the potential for transmission of Covid-19. Even so, service activities can still be carried out in various alternative ways.

As for the output, the service team has tried innovation in the form of an alternative organic fertilizer activation system independently. The service team offers an activation strategy in maintaining the sustainability of alternative feeds.

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