

Utilization Of Waste Selection Of KOI Fish Cultivation In Improving The Food Security Of The Community (Followers) In The Village Of Kondangajar, Pangandaran Regency

Defri Mulyana¹, Randy Fadillah Gustaman², Kosasih Adi Saputra³, Thaufan Abiyuna⁴

Universitas Siliwangi, Tasikmalaya

Email: defrimulyana@unsil.ac.id, randy.fadillah@unsil.ac.id, kosasih.adisaputra@unsil.ac.id,
Thaufan.abiyuna@unsil.ac.id

ABSTRACT

Covid-19 is an epidemic that has a huge impact on people's lives around the world. One of the sectors that the government is currently paying attention to is the food security of the community, which is feared to be affected by the COVID-19 pandemic. Academics in universities have very vital roles and responsibilities in solving these problems. The main object of this community service focuses on how to utilize koi fish farming waste so that it can be utilized by the community in supporting food security in the midst of the current covid-19 pandemic. Koi fish culture waste here is fish seed that does not pass the selection of koi fish quality. So far, in traditional koi cultivation, koi fish seeds that do not pass the selection will be destroyed. In fact, the number of koi fish seeds that did not pass the selection was an average of 80% of the total fish seeds in one spawning. The community service locations that become partners are 2 (two) fishery groups in the Kondangjajar Village area, Kec . Cijulang , Pangandaran Regency. It is reasonable that the utilization of koi fish selection waste in the cultivation system in that place is not effective and needs assistance to change to a more effective direction.

Keywords: KOI cultivation waste, Food Security

INTRODUCTION

Covid-19 is a an epidemic that has a profound impact on life society in the World. one _ the sector that becomes attention government moment this is about endurance food people , who are worried many affected with existence this covid-19 pandemic . endurance food is a the concept always hotly discussed in various social forums , because _ realized problematic endurance food is fundamental object in resilience life Indonesian society .

Academics at universities have _ very vital roles and responsibilities in solve problem that . According to Directorate Research and Community Service , University of Indonesia (2011:4), community service to Public or activity devotion to Public is activities that include efforts enhancement quality source power man among others in Thing expansion insight , knowledge nor enhancement skills performed by civas _ academic as embodiment of devotional dharma as well as form concern for play a role active increase well- being and empowering society .

Object main in devotion Public this focus on how utilization waste Koi fish cultivation so that it can be utilized Public in support endurance food in the middle the current covid-19 pandemic this . Waste koi fish farming here is fish seeds that don't get away in selection koi fish quality . During this in traditional koi fish farming koi fish seeds that don't get away selection will be destroyed . Whereas seed amount koi fish seeds that don't get away selection average amount _ that is 80% of total total fish seed in one time spawning . During this covid -19 pandemic what a more wise when remainder waste fish seeds that don't get away selection quality just now could used by koi fish cultivators to Fulfill needs food in Fulfill needs with make products useful preparations _ in support endurance food community during the COVID-19 pandemic .

Dedication location society that becomes partner namely 2 (two) groups fisheries in the village area famousjajajar district . Cijulang , Regency Pangandaran . This thing reasoned that utilization waste koi fish selection on the system on -site cultivation the no effective and necessary accompaniment for change to more direction _ effective

IMPLEMENTATION METHOD

Partner in implementation community service _ is 2 (two) fishery farmer groups in Kondangjajar Village, Cijulang District, Pangandaran Regency. The object of community service was chosen because of its location far from the center of the capital city of Pangandaran Regency so need handling special consequence not enough get information and education with good . Target from devotion this are koi fish cultivators in the 2 (two) fishery farmer groups. The problem made priority partner agreed together including :

1. Based on information not yet existence study about processing of koi fish farming waste to increase community food security (cultivators) .
2. The need role Universities to contribute greatly to society so that in the midst of the COVID-19 pandemic , they are able to effectively utilize the potential around them to be utilized in order to increase food security.

RESULTS AND ACHIEVEMENTS

Waste is basically a material that is wasted or disposed of from a source of human activity or natural processes and has no economic value, it can even have a negative economic value because handling to dispose of or clean up requires a large enough cost in addition to polluting the environment. Fisheries business in addition to producing high economic value, but also play a role in generating waste. Waste generated from KOI fish farming activities is solid waste in the form of KOI fish fry that do not pass the quality selection. With this service, it is hoped that KOI fish that do not pass the selection are not disposed of but are collected to find a solution on how to handle the waste properly so that the waste can be utilized. One of the uses of KOI fish that did not pass the selection is to turn it into a dry processed product in the form of fried foods, which will greatly help the family of KOI fish farmers in meeting their basic needs during the current pandemic in the context of developing community food security based on aquaculture waste. Utilization of KOI fish waste into fried food is not without reason, it is because dry fried products are able to last a long time so that it can be used by cultivating families to fulfill daily consumption needs for a long period of time.



Figure 1. Dried Processed Products

Wet Processed Products

Another use produced from KOI fish farming waste is in the form of wet processing. Wet processing referred to here is in the form of preparations that can be used by cultivators for their primary needs, but the utilization of these preparations cannot last long. Utilization of waste from the selection of koi fish cultivation is processed into Pindang Ikan and fish Pepes which can be used by cultivating families to fulfill the consumption needs of KOI fish farming families so that they are not too affected by the pandemic conditions that are currently experienced by the Indonesian state and are resilient in dealing with the necessities of life and livelihood. raises a strong soul in its contribution to improve food security both locally and nationally



Figure 2. The Result Wet Processed Products

CONCLUSION

Service program this could concluded that waste from KOI fish cultivation in the form of KOI fish that are not get away selection could used by the community in skeleton enhancement endurance Public cultivator in the middle the Covid 19 pandemic that hit Indonesia and was able to overcome effect from pandemic the for community cultivator from perspective needs food . By Specific utilization waste selection koi fish farming can made various product for Fulfill needs consumption Public cultivator , good in the form of processed wet or dry . Utilization waste selection koi fish farming processed wet among them that is make waste the Becomes pepes fish and pindang fish. Temporary utilization waste selection koi fish farming processed dry that is with utilise waste the Becomes fried food able dry _ endure with longer time than __ processed wet.

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