



PROJECT DOCUMENT

Program Categories: Departmental Programs

Project Title: Improve livelihoods from Responsible Fisheries and Capacity for Conservation, by Preserving Clown Knife Fish Habitats and Protecting their Occurrence

Responsible Department: IFRDMD

Total Duration: 2019-2020

Funding Sources: Food and Agriculture Organization of the United Nations (FAO)

Estimated Budget for 2020: USD 30,223

1. INTRODUCTION

The project on "Mainstreaming Biodiversity Conservation and Sustainable Use into Inland Fisheries Practices in Freshwater Ecosystems of High Conservation Value" (GCP/INS/303/GFF-IFish) The project intends to combine mainstreaming of inland aquatic biodiversity into resource development and management policy, with demonstrations of conservation and sustainable use of inland aquatic biodiversity in critical habitats at four sites in Kalimantan, Java and Sumatra, and effective monitoring and assessment Clown knife fish (*Chitala lopis*) is one of the economically important fish in Indonesia. The Indonesian government has recognized the importance of the threats to clown knife fish by enacting regulation to protect clown knife fish populations and those of other *Chitala* species through a Ministerial Decree. Beside fisheries regulation, for sustainable utilization of the clown knife fish resources, management measures such as habitat rehabilitation and conservation, restocking and aquaculture development should be carried out. Successful experimental Clown knife fish breeding has been developed by several groups, including by the Freshwater Aquaculture Institute (Balai Budidaya Air Tawar/BBAT) Mandiangin in South Kalimantan, but have so far not been implemented at commercial scale nor have they been successfully done with *Chitala* species found in Kampar. In close coordination with the project team, the Service Provider (SP) will implement activities in Kampar District, Riau Province, to demonstrate Clown knife fish breeding, operation of hatchery and nursery facilities for that there are output these project:

- a. Clown Knife culture management plan, with practical approaches for implementing more sustainable and ecological aware (from environmental pollution)
- b. Produce clown knife fish fry from hatchery for restocking in the lake and for grow out in the net cages cultured by fish farmers in Koto Panjang reservoir (minimum 20,000 fry)

1,000 persons (fish farmers, fishers, communities which is 30% women) trained, disseminate and extension on good aquaculture practices and EAFM/EAA.

2. PROJECT

1.1 Goal /Overall Objectives

Objective

Establish a Detailed Master Plan for the Clown Knife fish culture demonstration, activities, implement good practices on Clown knife fish culture and responsible aquaculture activities, including provision of feed and monitor and provide ongoing support during culture period, ensuring evaluation and dissemination of results to stakeholders

1.2 Outcomes and Expected Outputs

Outcomes

Improvement capacity building of stakeholder for Fisheries management based on ecosystem approach.

Outputs

Culture management plan with practical approaches for implementing more sustainable and ecological aware (from environmental pollution) of Clown Knife Fish, Produce 20,000 clown knife fish fry from hatchery for restocking and Trained, disseminated and extension of 1000 person stake holder on good aquaculture practices and EAFM/EAA

1.3 Project Description/Framework

Activity 1: Prepare detailed workplan for delivering the expected outputs including targets, activities and implementation methodology with tentative timetable

Activity 2: Workshop for one day training how to collecting data to identify of captures fish production.

Activity 3: Clean River (Kampar) Campaign And Training Of Responsible And Campaign And Training Of Responsible Aquaculture In Kampar District

Activity 4: Preparing brood stock and domestication in fond

Activity 5: Monthly monitoring of gonad maturation to select brood stock for natural spawning.

Activity 6: Conducting training, dissemination for local farmer, fishers and the community how to good aquaculture practices base on EAFM / EAA.

3. PROGRESS/ACHIEVEMENTS OF ACTIVITIES IN THE YEAR 2019

Project/Activity Title	Duration	Remarks
Activity 1 Inception report meeting and making time table to prepare domestication and provide broodstock	May	
Activity 2 Workshop for one day training how to collecting data to identify of captures fish production.	June	
Activity 3 Clean River (Kampar) Campaign And Training Of Responsible And Campaign And Training Of Responsible Aquaculture In Kampar District	July	
Activity 4 Preparing broodstock in fond for maturation of gonad and domestication	Oct, Nov	
Activity 5 Monthly monitoring of gonad maturation to select broodstock for natural spawning.	Nov, Dec	
Activity 6 Conducting training, dissemination for local farmer, fishers and the community how to good aquaculture practices base on EAFM / EAA.	Nov, Dec	

4. PROPOSED FUTURE ACTIVITIES FOR THE YEAR 2020

4.1 Planning of the Project Activities

Project/Activity Title	Duration	Remarks
Activity 1 Restocking and distribution of Clown Knife Fish seeds to local farmers	Jan	

Project/Activity Title	Duration	Remarks
Activity 2 Prepare guideline and disseminate for hatchery and spawning of Clown Knife fish	Jun	
Activity Conducting workshop for dissemination to support local stakeholder activities, evaluation and officially submit all of the document	March	
Activity 4 Menyiapkan laporan penyelesaian dan laporan pengeluaran	April	

4.2 Expected Outcomes/Outputs

Proposed Activity	Expected Outcomes/Outputs of Activity	Duration
Activity 1	Fingerling of Clown Knife fish for restocking on Koto Panjang Reservoir	Jan
Activity 2	A book and guideline related to spawning, hatchery and domestication of clown knife fish	Feb
Activity 3	Workshop for dissemination report to support local stakeholder activities and evaluation before officially submit.	Mar
Activity 4	Report and document how to hatchery, domestication and Protecting of Clown Knife Fish	April